

you can hear it

[www.takstar.com](http://www.takstar.com)

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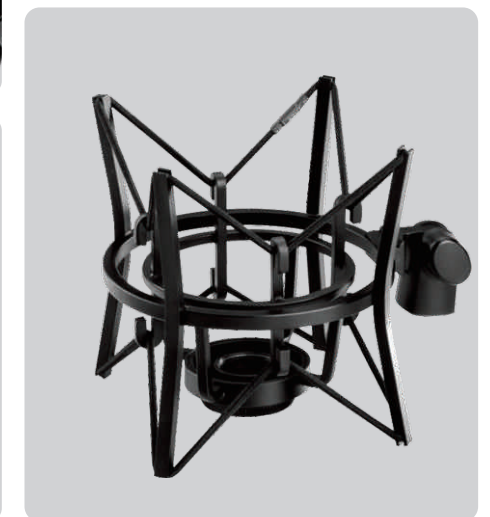
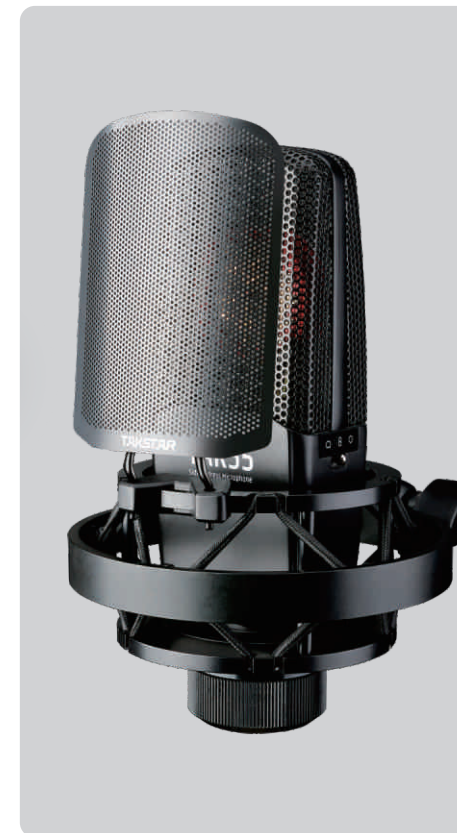
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Printed in 2021



**TAKSTAR®**

2021  
PRODUCT  
CATALOGUE

Microphone / Headphone / Portable Amplifier / Integrated Application / Accessory



GUANGDONG TAKSTAR ELECTRONIC CO., LTD.

# COMPANY INTRODUCTION

Established in 1995, Takstar is a leading manufacturer in the electro-acoustic industry. The company devotes itself to providing you with the best possible audio processing solutions.

Our product range has since grown into a diverse array of professional microphones, headphone sets, voice amplifiers and integrated applications. This way, we help the user fulfill their dream of enjoying high-quality entertainment and become their trustworthy partner for innovative technology and top-level products. Being of international reputation and market influence, we combine R&D, design, manufacturing, sales and service on our mission to assure continuous development of the industry.

Takstar's production base boasts up to 210,000 sq. meters with 2,500 employees, complete processing workshops and highly advanced equipment.

# OUR TOP PRIORITY

It is our assignment to guarantee a comfortable audio experience and at the same time provide creative solutions for users all around the world.

# COMPANY CHALLENGES

Innovation   Procedural Optimization   Strict Quality Control   Satisfy Customers





# Workshop Facilities

Takstar's manufacturing base has processing and production capabilities including a central laboratory, a soundproof B&K anechoic chamber, as well as various workshops for SMT, wireless electronics, professional condenser microphones, cartridges, speaker cabs, diecast metal parts, printing and packaging. We make good use of over 10,000 sets of advanced manufacturing and automated production equipment, over 500 sets of advanced testing equipment, a modern ERP system and state-of-the-art quality control.

Right now, our team surpasses a number of 1,800 technicians who serve in each business field and more than 100 top-level R&D engineers. Our products range from microphones of various kinds up to headphone amps, integrated applications and audio systems, all with huge annual production capacities.



Production Line



SMT Workshop



Capsule Dust-Free Workshop



Wave Solder Machine



CNC Horizontal Injection Molding Machine



High-Accuracy CNC Lathe



CNC Horizontal Die-Casting Machine



Full Automatic Ultrasonic Cleaning Line



Dust-Free Automatic Spray-Painting Flow Line



Automatic Pressing Machine



Pad Printer



Laser Marking Machine

# Testing Equipments

Takstar has established strict quality management in accordance to ISO9001:2008. The central laboratory of over 400 sq. meters has 100+ professional QC staff working with advanced testing equipment and utilizing different, highly demanding ways of scientific inspection.

Not only does that cover electro-acoustic testing, but also tests for environmental protection, reliability and electromagnetic interference as well as multiple state-of-the-art anechoic chambers and highly advanced Danish B&K / American AP test systems to guarantee premium-quality audio properties of our products.

Starting with incoming stock material, everything is checked in a strict step by step manner by our QC staff: purchase of raw material, component processing, manufacturing, storage and, finally, product delivery.



Anechoic Chamber



B&K Analyzer



Audio Precision



X-Ray Fluorescence Tester



Temperature & Humidity Testing Machine



3D Measuring Instrument



Bluetooth Headset Acoustic Auto-Test System



Bluetooth Headset RF Auto-Test System



Bluetooth Basic Function Test System



Electroacoustic Instrument



High SPL & Self Noise Equipment



Drop Testing Equipment





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# RECORDING MICROPHONE



## GX6

### Features

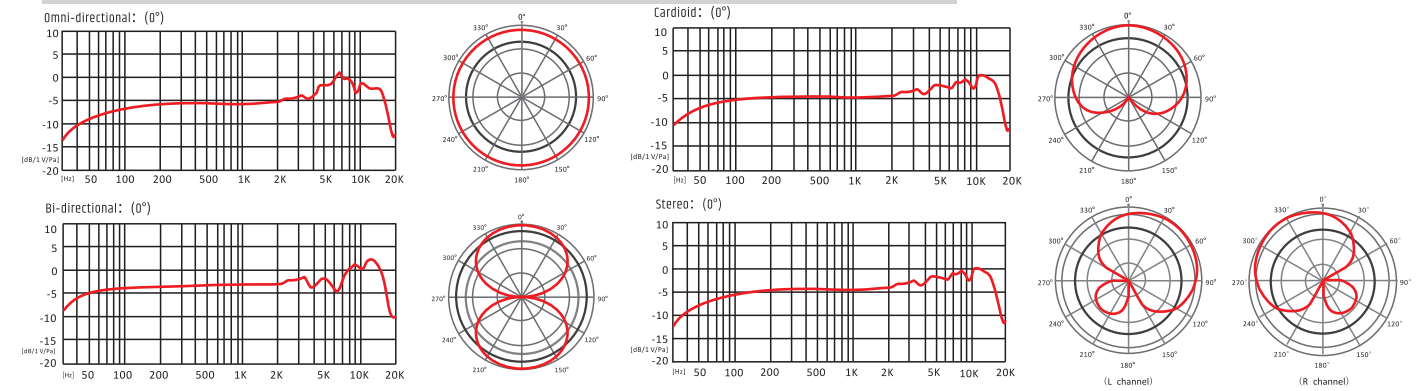
- Adopts three 16mm condenser capsules, clear and natural sound quality
- Supports four adjustable recording modes (stereo, cardioid, bi-directional, omni-directional)
- Built-in low noise and low power consumption microphone amplifying circuit, adjustable microphone input gain
- Adopts touch mute switch for sensitive, reliable and quick operation
- Built-in headphone amplifier and independent headphone monitor volume control to meet the monitoring requirement without delay
- USB digital transmission, plug and play
- Stylish metal structure, durable and fashionable

### Application

- Streaming media (electronic sports, live broadcasting) and music production

### Specification

• Frequency Response: 20Hz-20kHz	• Data Transmission: USB2.0
• Sensitivity: 5.6 mV(1V/Pa at 1kHz)	• Sample Rate: 44.1-192kHz
• Max SPL: 120dB (THD: 0.5% 1kHz)	• Bit Rate: 16/24bit
• Output Impedance: 32Ω	• System Compatibility: Windows7 or above, OSX 10.9 or above
• Output Power(RMS): 100mW	• Dimensions: Ø60x180mm
• S/N Ratio: 100dB (A+)	• Net Weight: 1140g
• Power Supply: 5V/500mA (USB)	



## TAK35

### Features

- High sensitivity condenser cartridge has accurate pickup directivity to pick up every sound detail
- Optimized residual noise processing suits for various recording or live broadcast environment easily
- Wide frequency response suits for recording vocal, drum, piano sound
- Metal screen effectively filters LF noise. The compact contour does not cover user's face
- Professional elastic shock mount prevents from vibration and effectively eliminates vibration noise

### Application

- vocal recording, professional recording, network live broadcast, instrument recording

### Specification

• Capsule: Φ16mm condenser cartridge	• Peak SPL: 130dB (THD≤1% at 1KHz)
• Polar Pattern: uni-directional	• Output Impedance: 110Ω±30% (at 1kHz)
• Frequency Response: 30Hz-20kHz	• Operating Voltage: 48V phantom power
• Sensitivity: -36dB±3dBV(0dB=1V/Pa at 1kHz)	• Unit Dimension: 157x55x38mm
• Equivalent Noise Level: ≤20dBA (IEC 581-5)	• Net Weight: approx 330g







## TAK45

### Features

- Cartridge of large gold plated diaphragm, wide frequency response, reproducing original sound
- High sensitivity to pick up every sound detail
- Sound pressure processing capability to prevent from distortion during overload, suitable for picking up various audio source
- Low residual noise, pure recording sound, suitable for various recording or live broadcast
- Metal grille to prevent from pop noise effectively, compact design to avoid covering the user's face
- Metal shock mount to prevent from vibration
- Al alloy case for convenient carrying or storage

### Application

- vocal recording, professional recording, network live broadcast, instrument recording

### Specification

• Capsule: 34mm gold plated large diaphragm	• Peak SPL: 135dB (THD≤1% at 1kHz)
• Polar Pattern: uni-directional	• Output Impedance: 110Ω±30% (at 1kHz)
• Frequency Response: 20Hz-20kHz	• Operating Voltage: 48V phantom power
• Sensitivity: -30dB±3dBV(0dB=1V/Pa at 1kHz)	• Unit Dimension: 157x55x38mm
• Equivalent Noise Level: ≤20dBA (IEC 581-5)	• Net Weight: approximate 372g



## TAK55

### Features

- Dual gold plated diaphragm capsule ensures accurate directivity and wide frequency response
- Highly accurate correction circuit and components ensure pure original sound
- Three polar patterns (cardioid, bi-directional, omni-directional) suit for different pickup applications
- High SPL processing capability suits for different audio sources pickup
- Low background noise meets the requirement of professional recording
- Built-in attenuation switch effectively reduces LF noise
- Sensitivity attenuation switch endures high SPL pickup
- Provided with professional anti-vibration shock mount
- Al alloy case for convenient transportation and storing

### Application

- Studio, broadcasting station, stage performance, video post-processing, personal recording, instrument recording

### Specification

• Capsule: 34mm dual gold plated large diaphragm capsule	• Equivalent Noise Level: ≤20dBA (IEC 581-5)
• Polar Pattern: cardioid/bi-directional/omni-directional	• Peak SPL: 130dB (THD≤1% at 1kHz)
• Frequency Response: 20Hz-20kHz	• Output Impedance: 150Ω±30% (at 1kHz)
• Cardioid Directivity Sensitivity: -39dB±3dBV(0dB=1V/Pa at 1kHz)	• Operating Voltage: 48V phantom power
• Sensitivity Attenuation: -10dB	• Unit Dimension: 157x55x38mm
• LF Attenuation: 150Hz (6dB/oct)	• Net Weight: 372g

## SM-8B

### Features

- Top quality back electret condenser transducer
- High sensitivity and low self noise
- Built-in pre-amplifier circuitry for unrivalled sound performance
- Wide frequency response range
- LED power indicator

### Application

- Recording, broadcasting, live performance

### Specification

• Transducer Principle: Back Electret Condenser	• Output Impedance: 2000Ω±30% (at 1kHz)
• Directivity Characteristic: Cardioid	• Load Impedance: ≥1000Ω
• Frequency Response: 30Hz-20kHz	• Power Requirements: 48V DC Phantom Power
• Sensitivity: -38dB±2dB (0dB=1V/Pa at 1kHz)	• Body Dimensions: Ø54 x 128mm
• Equivalent Noise Level: ≤22dB A (IEC 581-5)	• Net Weight: 371g
• Max. Input SPL: 140dB (THD ≤1.0% at 1kHz)	

## PC-K320

### Features

- High performance back electret condenser capsule features wide frequency response and natural sound quality
- Built-in transistor circuit features low noise and stable performance
- Unique alloy outlook design, durable and fashionable
- 3 optional colors (black/silver/red)
- Provided with customized shock mount and tripod for convenient use

### Application

- Broadcasting, PC recording, instrument recording

### Specification

• Transducer Principle: Back Electret Condenser	• Max. Input SPL: 130dB (THD≤1.0% at 1kHz)
• Polar Pattern: Cardioid	• Output Impedance: ≤200Ω
• Frequency Response: 20Hz-20kHz	• Power Requirement: 12-52V Phantom Power
• Sensitivity: -32dB±3dB (0dB=1V/Pa at 1kHz)	• Net Weight: 340g
• Equivalent Noise Level: ≤13dB A	

## PC-K820

### Features

- Precise large gold-plated diaphragm capsule features wide frequency response, high dynamic range and clear sound details performance
- Extreme low background noise audio processing circuit satisfies the demand of professional recording
- High-pass filter switch effectively reduces the low frequency ambient noise
- Fashionable alloy outlook design, professional and elegant
- Sensitivity attenuation function ensures high SPL up to 155dB
- Provided with high grade aluminium carrying case for convenient carrying and storage
- Customized windscreen effectively eliminates the "pop" sound and air flow noise

### Application

- Professional studio recording, broadcasting, PC recording, instrument recording

### Specification

• Element: Large gold-plated diaphragm, condenser	• Max. Input SPL: 145 dB(THD≤1.0% at 1kHz)
• Polar Pattern: Cardioid	• Output Impedance: ≤200 Ω
• Frequency Response: 30Hz-20kHz	• Operating Voltage: 12-48V Phantom Power
• Sensitivity: -33 dB±3dB(0dB=1V/Pa at 1kHz)	• Net Weight: 410g
• Equivalent Noise Level: ≤11dB A	

## PC-K750

### Features

- Professional condenser cartridge for wide frequency response and dynamic range, and high-fidelity sound reproduction
- Optimized audio processing circuit of low background noise to deliver clean and transparent sound and meet various recording requirements
- High-sensitivity design to capture every sound detail to deliver full sound and for you to sing for a long time without feeling tired
- Excellent SPL performance to guarantee the fidelity of output sound under high sound pressure
- Metal windscreen of compact design to avoid covering the user's face while filtering out popping noises
- Metal shock mount for good anti-shocking performance and filtering out low-frequency vibration

### Application

- Live broadcasting, studio recording, personal recording, instrument recording

### Specification

• Cartridge: Ø14mm electret cartridge	• Peak SPL: 110dB (THD≤1% at 1kHz)
• Polar Pattern: Unidirectional	• Output Impedance: 110Ω±30% (at 1kHz)
• Frequency Response: 30Hz-20kHz	• Operating Voltage: 48V phantom power
• Sensitivity: -34dB±3dB	• Dimensions: Ø52mm*187mm
• Equivalent Noise Level: ≤20dBA	• Net Weight: approx. 420g







### PC-K850

#### Features

- Φ34mm large gold plated diaphragm capsule, wide frequency response, wide dynamic, clear and natural sound quality
- Adopts low background noise audio processing circuit to meet the high demand of recording requirement
- High sensitivity design for rich sound details pickup and original sound reproduction
- Prominent SPL performance effectively prevents from overload distortion
- Provided with metal shock mount
- Provided with aluminum carrying case for convenient transportation and storage

#### Application

- Online Karaoke, live broadcast, recording studio, broadcast TV station, personal recording, instrument recording

#### Specification

• Capsule: 34mm large gold plated diaphragm capsule	• Peak SPL: 130dB (THD≤0.5%at 1kHz)
• Polar Pattern: cardioid	• Output Impedance: 200Ω±30% (1kHz)
• Frequency Response: 30Hz-20kHz	• Operating Voltage: 48V phantom power
• Sensitivity: -32dB±3dB (0dB=1V/Pa at 1kHz)	• Unit Dimension: 187x52mm
• Equivalent Noise Level: ≤20dBA (IEC 581-5)	• Net Weight: 529g

### PC-K220USB

#### Features

- The digital microphone tailored for influencer marketing, webcast, post dubbing, recording
- Built-in USB sound card chip, compatible with windows/iOS/Mac system, without driver, plug and play
- Cardioid condenser cartridge, high sensitivity and sound pressure, reproducing every sound detail
- Mic and headset volume control to adjust mic in gain and headset out volume conveniently
- Ultra-low delay monitoring to monitor the recording effect at real time
- Operation LED for intuitive display of mic operation status
- Zinc alloy housing, solid structure
- Designed with mic clip/stand/windscreen for convenient application

#### Application

- Webcast, influencer marketing, post dubbing, recording the singing or playing, etc

#### Specification

• Data Transmission: USB2.0	• Power Supply: USB(DC 5V/100mA)
• Sample Rate: 44.1/48KHz	• Headset Out Peak Power: ≥120mW (output 1mW,A weighted, plus 32 Ohm load)
• Bit Rate: 16bit	• Headset Out Distortion: ≤0.1% (at 1kHz/Pa,A-Weighted)
• Frequency Response: 20Hz-20KHz	• Headset Out Impedance: 32Ω
• Cartridge: Ø16mm condenser cartridge	• Headset S/N Ratio: 88dB(A-Weighted)
• Polar Pattern: cardioid	• Net Weight: approximate 371g
• Sensitivity: -14dB±3dB(0dB=1V/Pa/m at 1kHz)	• Dimension: Ø54 x 128mm
• Output Sensitivity: -5dB±3dB	
• Max SPL: ≥108dB(at 1kHz,1%THD)	

### PH 130

#### Features

- Tailored for mobile Karaoke and live broadcasting, suitable for smart phone and tablet PC, compatible with Android or iOS system
- Small gold plated diaphragm capsule features wide frequency response and dynamic range, enduring high SPL without distortion
- Real time headphone monitoring function, ultra-low delay, easy Karaoke and live broadcasting
- Built-in DSP chip, deep sound effect algorithm, wonderful sound
- Compression function automatically attenuates during high SPL singing to reduce distortion
- Integrated wet recording & dry recording switching function for high score singing and convenient post production
- Accompaniment input connector to connect with external audio source equipment for convenient background music or scene music playing during live broadcasting
- Built-in rechargeable Li-ion battery lasts for more than 5 hours operation

#### Application

- Cell phone/tablet PC: Karaoke, live broadcasting
- Karaoke/live broadcasting: Sing! Karaoke by smule, Yokee, The Voice: on stage, Red Karaoke, SingPlay

#### Specification

• Capsule: small gold plated diaphragm capsule	• Digital EQ: EQ adjustment
• Polar Pattern: cardioid	• Battery Type: Li-ion battery
• Frequency Response: 30Hz-20kHz	• Battery Capacity: 700mAh
• Sensitivity: -36 ± 3dB (0dB=1V/Pa/m at 1kHz)	• Recharging Mode: USB 5V
• Peak SPL: ≥120dB 1kHz (THD≤1%)	• Operating Time: more than 5h
• Main Chip: DSP	• Product Dimension: Φ31mm x 153mm
• Aux Chip: MCU	• Net Weight: 137g
• Reverb Mode: reverb	



### PH 200

#### Features

- Tailored for mobile Karaoke, webcast, suitable for smartphone/iPad/PC application
- Built-in DSP chip; Press one button to switch 8 sound effect, convenient operation
- Real time accurate monitoring, ultralow delay
- Built-in sound card chip, recording without loss when linking with PC/cell phone via USB
- 12 autotune effects switched freely for easy and reliable singing
- Smart noise reducing function to shield mic picking up ambient noise, purer singing
- Connecting multiple PH 200 microphones in series to realize multi-person singing
- Accompaniment connector, linking with external audio source to play accompaniment or host effect during webcast
- Built-in Li-ion battery, operating during charging, operation time about 10h continuously

#### Application

- Cell phone/iPad/PC: Karaoke, webcast, recording
- Suitable for various entertainment webcast APPs and influencer marketing platforms

#### Specification

System Specification	Battery Specification
• Data Transmission: USB2.0	• Type: Li-ion battery
• Sample Rate: 48KHz/16bit	• Battery Capacity: 1300mAh
• Cartridge: Ø16mm condenser cartridge	• Charging: USB 5V/1A
• Polar Pattern: cardioid	• Charging Time: approximate 2h
• Frequency Response: 20Hz-20KHz	• Operation Time: approximate 10h
• Sensitivity: -34+/-3dB (0dB=1V/Pa/m at 1kHz)	• Connector Specification
• THD: THD<0.5% 1kHz	• Audio Connector:
• Headset Out Power: 100mW/32Ω	• Cell phone connector Φ 3.5mm,
• Main Chip: DSP	• headset connector Φ 3.5mm,
• Reverb: Reverb	• accompaniment connector Φ 3.5mm,
• Autotune: 12Autotune	• mic connector Φ3.5mm
• Dimension: Ø30*218mm (dia*H)	• Data Connector: Micro USB
• Net Weight: approximate 276g	







### CM-60

#### Features

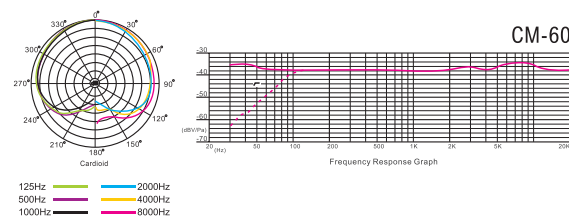
- Gold-plated diaphragm
- Cardioid directivity characteristic for ideal sound capturing
- High sensitivity and low self noise
- Suitable for high SPL environments
- Wide frequency response range and extended dynamic range
- Transformerless circuitry for noise reduction
- Low output impedance for long distance connection and high EMI resistance
- Built-in pre-amplifier circuitry for steady performance
- Optional bass filter to eliminate unwanted low frequency noise

#### Application

- Recording, broadcasting, on-stage performance

#### Specification

• Transducer Principle: True Condenser	• Output Impedance: 100Ω±30% (at 1kHz)
• Directivity Characteristic: Cardioid	• Load Impedance: ≥1000Ω
• Frequency Response: 30Hz-20kHz	• Bass Filter: 12dB/octave at 100Hz
• Sensitivity: -38dB±2dB (0dB=1V/Pa at 1kHz)	• Power Requirements: 48V DC Phantom Power
• Max. Input SPL: 130dB (THD ≤1.0% at 1kHz)	• Body Dimensions: Ø22 x 132mm
• Equivalent Noise Level: ≤20dB A (IEC 581-5)	• Net Weight: 112g



### WHM-24A

#### Features

- Unique concealed strip cartridge
- Magnet design for convenient installation
- Conveniently for harmonica professional Wah sound; This is the advantage which dynamic microphone can not achieve
- Balance acoustic design for picking up high/mid/low frequency sound
- Multiple cartridges operate simultaneously
- The circuit of balanced mixing technology and unique impedance for Hi-Fi sound
- Low gain high SPL picking up promotes the max SPL level
- Cell phone accompaniment music and harmonica sound transmitted simultaneously
- UHF low power consumption, high anti-interference capability, more than 40m transmission range
- Advanced RFI shield technology to isolate cell phone signal interference

#### Application

- Harmonica performance

#### Specification

• Cartridge: back electret	• Frequency Range: 630MHz-890MHz (frequency band)
• Polar Pattern: bidirectional	• UHF Transmission Range: approximate 40m (open area)
• Frequency Response: 60Hz-16KHZ	• Battery: Lithium battery 300mAh 3.7V
• Sensitivity: -69±3dB	• Charging Time: <2h
• Charging: DC 5V/100mA	• Operation Time: approximate 3h
• Operation Voltage: DC 3-4.5V	• Net Weight: 24g(WHM-24A) 19g(WHM-16A) 13g(WHM-10A)
• Connector: 3.5mm/mono	



### CM-63

#### Features

- Innovative anti-humidity technology for best performance under stringent climate environment
- Gold-plated diaphragm capsule assuring excellent transient response, wide frequency response range, high sensitivity, and accurate sound reproduction
- Built-in low noise FET for low noise and steady performance
- Optional 10dB attenuation for handling extremely high volume
- Hi-Fi OTL preamplifier featuring quality linear amplification and low distortion
- Low output impedance for minimizing power waste under long distance connection
- Multiple surface treatments guarantee long life durability

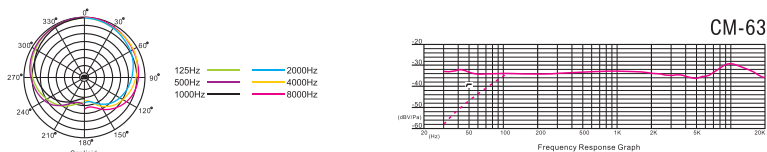
#### Application

- Recording, broadcasting, on-stage performance

#### Specification

• Transducer Principle: True Condenser	• Output Impedance: 200Ω±30% (at 1kHz)
• Directivity Characteristic: Cardioid	• Load Impedance: ≥1000Ω
• Frequency Response: 20Hz-20kHz	• Bass Filter: 10dB/octave at 100Hz
• Sensitivity: -35dB±2dB (0dB=1V/Pa at 1kHz)	• Power Requirements: 48V DC Phantom Power
• Equivalent Noise Level: ≤20dB A (IEC 581-5)	• Body Dimensions: Ø22 x 145mm
• Max. Input SPL: 130dB (THD ≤1.0% at 1kHz)	• Net Weight: 165g

140dB (with 10dB pad)







### DMS-D7

#### Features

- DMS-D7 features advanced electroacoustic characteristic, it is the best choice for drum set recording
- Bass drum microphone-full low frequency response for strong and dynamical bass effect pick up
- Snare drum microphone-well designed low and medium frequency, ideal for snare and tom tom drum
- Condenser microphone-wide frequency response and high frequency resolution meet the recording requirement of suspended cymbal and hi-hat
- Rugged metal body construction

#### Specification

TA-8330 specification	PCM-6100 specification
• Transducer Principle: Dynamic	• Transducer Principle: Condenser
• Directivity Characteristic: Cardioid	• Directivity Characteristic: Cardioid
• Frequency Response: 20Hz-16KHz	• Frequency Response: 20Hz-20KHz
• Sensitivity: -69dB ± 3dB	• Sensitivity: -36k±3 dB
• Output Impedance: 150 Ω ±30%	• Output Impedance: ≤100Ω
TA-8230 specification	• Load Impedance: ≥1000Ω
• Transducer Principle: Dynamic	• Equivalent Noise Level: ≤25dB
• Directivity Characteristic: Cardioid	• Max. SPL: 135dB(THD≤1% AT 1KHz)
• Frequency Response: 60Hz -18KHz	• Power Requirement: 9-52V Phantom Power Supply
• Sensitivity: -53dB±3dB	
• Output Impedance: 250 Ω±30%	

### DMS-DH8P

#### Features

- Designed for professional instruments and stage applications
- Large drum microphone - designed to capture kick drum beats and low frequency musical instruments
- Small drum microphone - ideal for tom-toms and snare drums
- Condenser microphone - excellent in reproducing the sounds of instruments such as cymbals and pianos
- All microphones handle extremely high volume level with ease
- Low output impedance for long distance connection without compromising sound quality
- Multiple structure and surface treatments for durability

#### Product content

• TA-8340 kick drum microphone - 1pc	• CH-58 microphone clamp - 3pcs
• TA-8280 small drum microphone - 4pcs	• DH-88 microphone mount - 4pcs
• PCM-5100 condenser microphone - 3pcs	• AA Alkaline battery - 3pcs
• W-50 windscreen - 3pcs	• Aluminum carrying case with foam inlay - 1pc



### SGC-568 (One Audio Cable Version)

#### Features

- Adopts array signal processing technology for high sensitivity and long pickup distance
- Optional cardioid and hypercardioid directivity satisfies different application
- Powered by phantom power or 1pc AA 1.5V battery for convenient use
- Alloy material housing design effectively reduce the RF signal interference and improve the recording performance
- Specially designed for interview, supplied with professional spring cable for convenient use and storage

#### Application

- Speech, interview, conference

#### Specification

• Transducer Principle: Back Electret Condenser	• Load Impedance: ≥1000Ω
• Directivity Characteristic: Cardioid/Hyper-cardioid	• Power Requirement: 9-52V phantom power or 1pc 1.5V AA battery
• Frequency Response: 50Hz-16kHz / 80Hz-14kHz	• Body Dimensions: Ø22 x 278mm
• Sensitivity: -45dB±2dB / -30dB±2dB (0dB=1V/Pa at 1kHz)	• Net Weight: 270g
• Output Impedance: 500Ω / 1600Ω±30% (at 1kHz)	

### SGC-578 (Two Audio Cables Version)

#### Features

- Tailored for interview, video recording, suitable for camera/DSLR/mixer, etc
- Array picking up technology, high sensitivity, wide picking up range
- Switching cardioids and supercardioid polar pattern for different picking up range
- 48V phantom power and AA 1.5V battery power supply for convenient application
- Alloy housing effectively reduces RF signal interference and improves recording quality
- Retractable cable and straight cable for different applications

#### Application

- Interview, video recording, program host, etc

#### Specification

• Transducer Principle: Back electret condenser	• Load Impedance: ≥1000Ω
• Polar Pattern: Cardioid/Hypercardioid	• Power Requirement: 1.5V AA battery or 9-52V phantom power
• Frequency Response: 50Hz-16kHz/80Hz-14kHz	• Frequency Response Graph
• Sensitivity: -45dB±3dB/-30dB±3dB	
• Output Impedance: 500Ω/1600Ω ±30% (at 1 kHz)	

### SGC-1000PRO

#### Features

- Unmatched off-axis restraint performance enables to directionally pick up the weak sound signal under the complex environment
- Advanced common mode rejection low noise amplifier features high SNR
- Adopts sound pickup interference principle and long sound collecting pipe design, narrow sound pickup angle effectively eliminate the lateral ambient noise
- Built-in low cut filter switch for more clear vocal sound pickup
- Full metal shielding structure design features excellent RF interference resistance
- Provided with portable leather bag and aluminum carrying case

#### Application

- Stage performance, interview, video production

#### Specification

• Product Type: Interview Microphone	• Sensitivity: -36±3dB at 1kHz
• Polar Pattern: Hypercardioid	• Cable Connector: Male and female XLR
• Driver Diameter: Φ24mm	• Color: Black
• Output Impedance: 100Ω	• Body Dimensions: Ø23x558mm
• Frequency Response: 10Hz ~ 25kHz	• Net Weight: 268g



SGC-568



SGC-578



SGC-1000PRO





### SGC-598

#### Features

- High sensitivity condenser microphone specially designed for camera
- Cardioid directivity characteristic can effectively reduce the ambient noise
- Optional +10dB sensitivity tone up and 200Hz bass filter meet the demand of different applications
- Shock proof design can reduce the mechanical noise of cameras and other vibration noise
- Rugged alu mic housing features effective EMI resistance
- Powered by 1.5V AA alkaline battery, playtime is up to 100hrs
- Low power indicator

#### Application

- Photography, interview

#### Specification

• Transducer Principle: Back Electret Condenser	• Bass Filter: 60Hz 10dB/octave
• Directivity Characteristic: Cardioid	• Output Impedance: 2000Ω±30%
• Frequency Response: 50Hz-16KHz	• Power Requirement: 1.5V AA battery
• Sensitivity: -32dB±3dB(0dB=1V/Pa at 1KHz)	• Net Weight: 160g
• Sensitivity Tone Up: +10dB	

### SGC-600

#### Features

- Tailored for photography/interview, suitable for DSLR/DV/cell phone
- Pipe cartridge promotes picking up range and accuracy but reduces ambient noise picking up
- Microphone gain fader to adjust according to the requirement of picking up range
- Low cut function for background noise below 200Hz to make recording clearer
- Standard cold shoe design for convenient installation on camera
- Anti-vibration structure effectively reduce the mechanical noise and vibration noise
- One 1.5V AA battery lasts for more than 100h operation
- Low power voltage indication

#### Application

- News interview, video recording, program hosting, special interview

#### Specification

• Cartridge: Φ10mm condenser cartridge	• Low Cut: 200Hz 12dB/Oct
• Polar Pattern: super-cardioid	• Output Impedance: 2.2KΩ±30%
• Frequency Response: 50Hz-16kHz	• Power Supply: 1.5V AA battery
• Sensitivity: -25dB±3dB(0dB=1V/Pa at 1KHz)	• Net Weight: 75g
• Gain Adjustment: +10dB/0dB/-10dB	

### SGC-698

#### Features

- Adopts X-Y stereo pickup technology, clear and stable sound image localization
- Built-in +20dB and -10dB sensitivity switch satisfies different recording occasions
- Built-in low-cut filter switch for effective ambient low frequency noise reduction
- RFI shielding technology can effectively reduce the interference of mobile phone signal
- Low power warning function remind you to replace the battery timely
- Shock proof design effectively reduces the mechanical noise
- Uses standard shoe connector, secure and easy for installation
- Uses standard Φ3.5mm mini stereo connector for signal output
- Aluminum alloy housing with anode oxidation surface treatment, fashionable and anti-scratch

#### Application

- Photography, interview

#### Specification

• Transducer Principle: Back Electret Condenser	• Low Frequency Attenuation: 80Hz 10dB/octave
• Directivity Characteristic: Cardioid, stereo	• Output Impedance: ≤200Ω
• Frequency Response: 30Hz-16KHz	• Power Requirement: CR2032 3V button battery
• Sensitivity: -44dB±3dB(0dB=1V/Pa at 1KHz)	• Net Weight: 115g
• Max. Input SPL: 130dB(THD≤1.0% at 1KHz)	

### SGC-100W

#### Features

- Wireless signal transmission for convenient camera shooting and live interview
- Receiver adopts standard shoe connecting buckle for direct connection with the camera
- UHF frequency range design avoids interference and assures stable transmission
- 6 selectable channels
- One transmitter can be operated with multiple receivers within the operating range
- Both the transmitter and the receiver use LCD to display the frequency, channel and battery level status intuitively
- Designed with Line in and Mic in transfer switch on the transmitter

#### Application

- Shooting, video, interview, production

#### Specification

Transmitter	Receiver
• Frequency Range: 600~950MHz (segmented)	• Frequency Range: 600~950MHz (segmented)
• Power Supply: 2pcs AA 1.5V alkaline batteries	• Power Supply: 2pcs AA 1.5V alkaline batteries
• Playtime: About 15 hours (depending on the battery)	• Playtime: About 15 hours (depending on the battery)
• Operating Range: 30m in open area	• Frequency Response: 30Hz-15KHz
• Transmit Power: ≤10mW	• S/N Ratio: >50dB
	• Receiving Sensitivity: ≤-80dBm



### SGC-200W

#### Features

- Tailored for interview, video recording, suitable for camera/DSLR/cell phone, etc
- UHF transmission without the trouble of cable connection
- Automatic matching technology, easy operation, high anti-interference, about 80m operation range in open area
- Real time audio monitoring function to monitor the recording status
- Adjusting function of monitoring volume and recording volume to suit for different equipment application
- Low cut function to reduce ambient noise effectively; clearer picking up
- Dual channel independent output and combo output for convenient post processing
- Note: only dual channel model has this function.
- Type-C power connector to link with external power supply
- Two Alkaline dry batteries last for about 10h operation

#### Application

- Interview, video recording, program host, etc

#### Specification

System Specification:	• Power: ≤10mW
• Frequency Range: 470-960 MHz (frequency band)	• Low Cut: 200Hz 5dB/Oct
• Channel Quantity: mono/dual channel	• Operation Time: approximate 10h
• Frequency Band Quantity: 50 frequency bands (mono) (based on the battery capacity)	
• Each of A/B has 25 frequency bands (dual channel)	• Dimension(LxWxH): 90x65x25mm
• FM Width: 30MHz	• Weight: approximate 83g
• Frequency Band Interval: 600KHz	Receiver:
• Modulation: FM	• Built-in Power Supply: 2 AA batteries
• Mute Control: frequency guide	• External Power Supply: Type C connector
• Frequency Response: 20Hz~18KHz	• Antenna Connector: SMA/impedance 50Ωhm
• Frequency Stability: ±0.015%	• Sensitivity: ≤-80dBm (wired test)
• S/N Ratio: ≥92dB A+ (line out)	• Audio Output: 3.5mm line out +3.5mm
• Residual Noise: ≥-100dB A+ (line out)	headphone output
• Distortion: ≤0.8% (at 1KHz)	• Headphone Output Power: 25mW(RMS)@32Ω
• Operation Range: approximate 100m (open area)	• Operation Time: approximate 10h (mono)
Cartridge: condenser omnidirectional	8h (dual channel)
Transmitter:	(based on the battery capacity)
• Microphone Input: 3.5mm	• Dimension(LxWxH): 90x65x25mm
• Power Supply: 2 AA batteries	• Weight: approximate 96g



Single Channel Version



Dual Channel Version



# CONFERENCE MICROPHONE



MS-T5



MS-T2

## MS-T5/MS-T2

### Features

- Designed with five professional microphones and stand together
- Line array design of microphones to effectively promote picking up range
- Flexible redundant microphone configuration to prevent from accident situation
- Front address cartridge of small diaphragm, wide frequency response, powerful bass, clear treble
- -10dB attenuation of microphone to improve feedback problem and boost peak SPL
- 100Hz HPF of microphone to effectively reduce ambient noise
- RF interference shield technology to prevent from RF interference, e.g. cell phone signal interference

### Application

- News release conference, broadcast recording, large report, conference, etc.

### Specification

- |  |  |
|--|--|
| • Type: gold plated diaphragm condenser cartridge      | • Equivalent Noise Level: $\leq 22$ dB A (IEC 581-5) |
| • Polar Pattern: cardioid                              | • Peak SPL: 130dB (THD $\leq 1.0\%$ at 1kHz)         |
| • Frequency Response: 30Hz-20kHz                       | 140dB (with 10dB pad)                                |
| • Sensitivity: $-35$ dB $\pm 2$ dB (0dB=1V/Pa at 1kHz) | • LF Attenuation: 100Hz 10dB/Oct                     |
| • Output Impedance: $200\Omega \pm 30\%$ (at 1kHz)     | • Power Supply: 48V phantom power                    |
| • Load Impedance: $\geq 1000\Omega$                    | • Dimension: $\varnothing 22 \times 145$ mm          |



DG-S100



DG-S100T1/T2



DG-S101T1/T2

## DG-S100

### Features

- The system consists of host, chairman units and delegate units
- The system has the functions of free speech, in-turn-speech, controlled delegate speech, chairman priority, video tracking
- 8 core cable for connection, plug and play
- The host has RS232 connector to link with PC for the management of microphone or video
- The host has 8 in 2 out video matrix and is compatible with multiple protocols
- Chairman units and delegate units can be added freely. Total unit quantity:  $\leq 250$ pcs
- Speech sound prompt can be set on the chairman unit to remind the delegate unit
- The units are designed with unidirectional condenser microphone
- The units are powered by the host, 18V power supply

### Application

- Conference room

### Specification

- |  |                                     |
|--|-------------------------------------|
| • Host Frequency Response: 100Hz ~18KHz                            | • Pickup Range: 15cm-60cm           |
| • THD: @100Hz~18KHz, conference system sound output less than 0.1% | • DG-S100 Dimensions: 485x160x382mm |
| • Unit Frequency Response: 50-16kHz                                | • DG-S100 Net Weight: 7980g         |
| • Microphone Sensitivity: $-42$ dB $\pm 2$ dB                      | • DG-S100T1 Net Weight: 1095g       |
|  | • DG-S100T2 Net Weight: 1095g       |





### MS400-1

#### Features

- Capsense touching switch design eliminates the mechanical noise of traditional switch
- Long pickup distance and distinct sound quality
- Low frequency attenuation design for reducing ambient low frequency noise
- Cardioid directivity characteristic can effectively reduce feedback and howling
- RFI shielding technology features excellent anti-interference capability such as mobile phone signal
- On/off LED indicator
- Gooseneck microphone and base is connected via reliable aero connector

#### Application

- Conference, broadcasting

#### Specification

• Transducer Principle: Electret Condenser	• Low Frequency Attenuation: 100Hz 8dB / octave
• Directivity Characteristic: Cardioid $\leq -16$ dB (0-180)	• Output Impedance: $100\Omega \pm 30\%$
• Frequency Response: 50Hz-16KHz	• Power Requirement: 12-52V phantom power
• Sensitivity: $-30$ dB $\pm 3$ dB (0dB=1V/Pa at 1KHz)	• Net Weight: 680g



### MS200-2

#### Features

- Excellent rejection of unwanted signals
- Screw joint between gooseneck and base ensures low handling noise
- Rugged metal housing
- On/off switch at base with LED indicator
- Powered by AA batteries or phantom power supply-automatic switching

#### Application

- Church, conferences, public address

#### Specification

• Transducer Principle: Back Electret Condenser	• Output Impedance: $100\Omega \pm 30\%$ (at 1kHz)
• Directivity Characteristic: Cardioid	• Power Requirements: 9-52V DC Phantom Power or 2pcs 1.5V AA Battery
• Frequency Response: 100Hz-16kHz	• Net Weight: 1100g
• Sensitivity: $-37$ dB $\pm 3$ dB (0dB=1V/Pa at 1kHz)	



### MS-189

#### Features

- Back electret condenser transducer
- High sensitivity and low noise
- Clear and bright vocal pick-up
- On/off button with LED indicator on base and gooseneck
- Optional use of phantom power or batteries
- Excellent quality, easy control and low power consumption

#### Application

- Public address, conference system, church, broadcasting

#### Specification

• Transducer Principle: Back electret condenser	• Load Impedance: $\geq 1000\Omega$
• Directivity Characteristic: Hyper-cardioid	• Power Requirement: 9-52V phantom power or 2pcs 1.5V AA battery
• Frequency Response: 40Hz-16kHz	• Net Weight: 500g
• Sensitivity: $-38$ dB $\pm 3$ dB (0dB=1V/Pa at 1kHz)	
• Output Impedance: $200\Omega \pm 30\%$ (at 1kHz)	

### MS-550

#### Features

- Small size, plug and play, easy to use
- Non-slip base design
- Adopts classy black ABS material of ontology, strong wear resistance
- Have the mute switch function
- Mi core uses the independent research and development technology, pickup distance, realistic sound reduction
- Use copper wire, stronger anti-interference ability

#### Application

- Online voice chat window intercom, station, bank window intercom speech, assembly, meeting etc

#### Specification

• Single: back-electret	• Operating Voltage: 1.5-4.5V
• Directivity: Omnidirectional	• The Signal Cable: 2m
• Microphone Sensitivity: $-38$ dB $\pm 3$ dB (0dB = 1V / Pa at 1kHz)	• Connecting Plug: 3.5mm stereo
• Frequency Response: 200Hz-10kHz	• Net Weight: 172g
• Output Impedance: $\leq 2.2K\Omega$	



### MS-118

#### Features

- Back electret condenser unit
- High sensitivity and low self noise
- Detachable gooseneck microphone with LED ring

#### Application

- Public address, conference system, church, broadcasting

#### Specification

• Transducer Principle: Back Electret Condenser	• Output Impedance: $200\Omega \pm 30\%$ (at 1kHz)
• Directivity Characteristic: Cardioid	• Power Requirements: 2pcs 1.5V AA Battery
• Frequency Response: 50Hz-16kHz	• Net Weight: 632g
• Sensitivity: $-38$ dB $\pm 3$ dB (0dB=1V/Pa at 1kHz)	



### GN-900

#### Features

- Embedded gooseneck microphone specially designed for conference, public address, speech, etc
- Adjustable gooseneck for ideal vocal pick up angle
- Microphone features high sensitivity, low noise and clear sound transmission
- The bottom is locked on the table top which effectively prevent the interference sound of moving and collision
- Easy for installation, reliable and convenient for use

#### Application

- Conference, public address, speech

#### Specification

• Transducer Principle: Back electret condenser	• Power Requirement: 9-48V phantom power
• Polar Pattern: Uni-directional	• Diameter of Mounting Hole: 22mm-24mm
• Frequency Response: 30Hz-20kHz	• Connection Mode: XLR connector
• Sensitivity: $-35$ dB $\pm 3$ dB (0dB=1V/Pa at 1kHz)	• Net Weight: 193g
• Output Impedance: $200\Omega \pm 30\%$	



### MS-168W

#### Features

- VHF 220MHz-270MHz frequency band
- Multi-level narrow-band with filter to fully clear up interference of hash
- Low-voltage power supply design for economic operation
- Pure quartz circuit for more stable frequency
- Wide dynamic range
- Effective feedback reduction
- Fit into wired and wireless application
- Ultra high directivity
- Elegant shape, easy installation and simple operation

#### Application

- Public address, conference system, church, broadcasting

#### Specification

• Directivity Characteristic: Cardioid	• Transmit Power: ≤10mW
• Frequency Response: 100Hz-12kHz	• Receiver Power Supply: DC 9V/300mA
• Squelch Control: Noise Lock	• Transmitter Power Supply: 2pcs 1.5V AA Battery
• Carrier Frequency: 220MHz-270MHz	• Operating Range: 50m in Open Area
• Frequency Deviation: ±18kHz	• Transmitter Dimensions: 153x98x36mm
• Frequency Steadiness: ±0.005%	• Receiver Dimensions: 155x140x44mm
• S/N Ratio: >80dB	• Transmitter Weight: 635g
• Total Harmonic Distortion: <1% (at 1kHz)	• Receiver Weight: 189g



### MS-208W

#### Features

- VHF frequency band and selected frequencies for interference-free reception
- D-PLL RF frequency lock technology for accurate frequency and stable performance
- Professional audio companding technique for reducing the noise and increasing the dynamic range
- Advanced pilot signal lock function can better avoid interference
- Long operating range up to 50m in open area
- Transmitter is powered by 2pcs 1.5V batteries for long play time and easy replacement
- Low power warning function on the transmitter reminds the user to replace the battery timely
- Transmitter is designed with XLR socket which can be used as an independent wired conference microphone and can be powered by external 48V phantom power
- 6.35mm unbalanced output for convenient connection with various audio equipment
- Receiver adopts USB power interface which can be conveniently powered by various devices with USB function directly

#### Application

- Conference

#### Specification

• Frequency Range: 220MHz-270MHz(fixed)	• Total Harmonic Distortion: <1% (1kHz)
• Modulation Mode: FM	• Operating Range: 50m in open area
• Number of Channels: Single channel	• Transmitter Power Supply: 3V (2pcs AA battery)
• Frequency Steadiness: ±0.005%	• Battery Playtime: Approx.10hrs (depending on the battery)
• Sensitivity: -80dBm	• Receiver Power Supply: DC5V/500mA (USB)
• Transmit Power: <10mW	• Output Type: Unbalanced mixed output
• Frequency Deviation: ±45kHz	• Receiver Dimensions: 160x92x33mm
• Frequency Response: 60Hz-15kHz	• Transmitter Weight: 410g
• S/N Ratio: >85dB (A+)	• Receiver Weight: 300g



DG-C200T1  
Chairman Unit



DG-C200T2  
Delegate Unit



DG-C200R  
(Host Unit)

### DG-C200

#### Features

- 2.4G ADFHSS technology features high confidentiality and strong anti-interference ability, long operating range up to 50m
- The conference system consists of host unit, chairman unit and delegate units up to 254 sets
- Enables 4 transmitters to speak simultaneously without mutual interference
- Optional free or request speech mode of delegate units controlled by the chairman unit
- Intelligent power management system features battery power saving (All units turn off automatically when the host unit is turned off)
- Built-in high performance frequency shifter effectively reduce howling and enhance the sound pick up effect
- All units adopt LCD display indicating the working status and battery level
- Host unit features balanced and unbalanced audio output for convenient connection with audio equipments

#### Application

- Senior Conference Application

#### Specification

• Carrier Frequency: 2.4G(2400-2483MHz) digital FHSS technology	• Host Unit Power Supply: DC-12V/1A
• Operating Range: 50m	• Frequency Response: 70Hz-15kHz
• Chairman/Delegate Units Power Supply: 2pcs AA batteries	• Host Unit Dimensions: 210x190x53mm
• Battery Play Time: ≥8hrs	• Host Unit Weight: 1185g







### MS700

#### Features

- Microphone line array technology, independent pickup channels and ranges
- No microphone rod design, good visual effects, easy to communicate without obstruction
- A wide range of sound pickup, no need to pay attention to the position of the microphone, speech in a larger space
- Controllable sensitivity of the pickup range to effectively improve the sound transmission gain of the system
- 20CM-80CM operation distance, freely adjusted microphone placement angle
- Adjustable gain switch to quickly set the system according to on-site sound reinforcement conditions
- Built-in low frequency cut function, clear voice
- Desktop streamlined appearance design, stylish, elegant, solemn

#### Application

- Conference rooms

#### Specification

- Sensitivity: -12.5dB ±3dB @1V/Pa (turn the gain switch to the "0" position)
- S/N Ratio: 80dB
- Directivity: super-cardioid
- Power Supply: 48V phantom power (need to meet the load capacity requirement of 48V@5mA)



### MS800

#### Features

- Sound collecting tube, 20-80 cm of pickup range, long-distance pickup
- Cardioid pickup pattern to effectively reduce ambient noise
- Three levels of adjustable gain flexibly configured according to the on-site situation
- Square shape design, housing composed of zinc alloy and aluminum alloy, high-grade appearance
- Maximum elevation angle of 50°, locking design added to the base joint, angle adjustment accurate and effective for a long time
- 48V phantom power, XLR connector for connecting to mixers, phantom power, etc.
- Radio frequency interference (RFI) shielding technology to eliminate the noise caused by electromagnetic interference or cell phone interference

#### Application

- Conferencing, broadcasting

#### Specification

- Type: Back electret condenser
- Sensitivity: -37dB±3dB (0dB=1V/Pa at 1kHz)
- Polar Pattern: Unidirectional
- Output Impedance: 100Ω±30% (at 1kHz)
- Frequency Response: 100Hz-16kHz

### BM-621

#### Features

- Electrophoretic surface treatment of mesh cover features high grade outlook and high corrosion-resistant capability
- Quality cardioid capsule features long pick up distance and excellent sound quality
- Capsense touching on/off switch eliminates the switch mechanical noise
- Advanced RFI shielding technology isolates the mobile phone signal interference
- 60Hz high-pass filter effectively eliminates the undesired low frequency noise
- 9V-52V phantom power supply
- Provided with professional XLR output cable

#### Application

- Senior conference, video conferencing, security monitor

#### Specification

- Transducer Principle: Condenser
- Directivity Characteristic: Cardioid
- Frequency Response: 30Hz-20kHz
- Sensitivity: -31dB±3dB(0dB=1V/Pa at 1 kHz)
- Equivalent Noise Level: 24dB A
- Low Frequency Roll-off: 60Hz-200Hz 10dB±2dB
- Max. Input Level: 130dB(THD≤1.5% at 1kHz)
- Power Requirement: 9-52V DC, 4mA typical
- Output Impedance: 100Ω±30%(at 1 kHz)
- Mute Switch: Capsense touching switch
- Dimension: 100 x 73 x 24mm
- Net Weight: 210g



### BM-630C

#### Features

- Omni-directional polar pattern
- LED mute indicator and push on/off mute switch
- Optional bass filter to eliminate unwanted low frequency noises
- Unique design for surface-mount use
- Rugged housing equipped with rubber base for reducing shock noise

#### Application

- Conference, church, broadcasting

#### Specification

- Transducer Principle: Back Electret Condenser
- Directivity Characteristic: Omni-directional
- Frequency Response: 40Hz-16kHz
- Sensitivity: -36.5dB±2.5dB (0dB=1V/Pa at 1kHz)
- Max. Input SPL: 130dB (THD ≤1.0% at 1kHz)
- Output Impedance: 100Ω±30% (at 1kHz)
- Equivalent Noise Level: ≤26dB A (IEC 581-5)
- Bass Filter: 10dB/octave at 80Hz
- Power Requirement: 9-52V DC Phantom Power
- Dimension: 100x98x22mm
- Net Weight: 208g



### BM-621USB

#### Features

- Tailored for network live broadcast, network conference, network broadcast and vocal chat
- USB2.0 sound card chip suits for iOS, windows and Mac system, drive free, plug and play
- Built-in cardioid capsule features long pickup distance, accurate directivity and clear sound quality
- RFI shielding technology shields cell phone signal interference
- 150Hz low cut switch effectively reduce the pickup of ambient noise
- Anti-skidding rubber pads prevent the microphone from skidding and reduce the table vibration influence
- Touch mute switch avoids the mechanical noise of traditional switch
- Compact, portable and easy operation for mobile recording

#### Application

- Network live broadcast, network conference, network broadcast, vocal chat

#### Specification

- Capsule: Φ12mm condenser capsule
- Polar Pattern: cardioid
- Frequency Response: 50Hz-16KHz
- Sensitivity: -5dBFS±2dBFS
- Power Supply Mode: USB (DC 5V /500mA)
- Data Transmission: USB cable
- Sample Rate: 44.1/48kHz
- Bit Rate: 16bit
- Distortion: ≤1.5% at 1KHz
- S/N Ratio: ≥65dB
- Low Cut: 150Hz 6dB/Oct
- Dimension: 100 x 73 x 24mm
- Net Weight: 210g





## BM-630USB

### Features

- Tailored for network conference, network broadcast, interview
- USB2.0 professional sound card chip, compatible with windows/iOS/Mac system without driver, plug and play
- Omnidirectional cartridge, more than 2m pickup range, 360 degree pickup, clearer sound
- Advanced RFI shield technology to prevent from cell phone signal interference
- 150Hz LF attenuation switch effectively reduce the pickup of ambient noise
- Anti-skidding pads prevent from microphone skidding or vibrating on desktop
- Touch mute switch eliminates mechanical noise of traditional switch
- Compact contour, convenient operation to start network conference or recording anytime anywhere

### Application

- Network conference, network broadcast, interview

### Specification

• Cartridge: $\Phi$ 16mm condenser cartridge	• Bit Rate: 16bit
• Polar Pattern: omnidirectional	• Distortion: $\leq$ 1.5% at 1KHz
• Frequency Response: 50Hz-16kHz	• S/N Ratio: $\geq$ 62dB
• Sensitivity: -22 dBFS $\pm$ 3dBFS	• Low Cut: 150Hz 6dB/Oct
• Power Supply: USB (DC 5V/500mA)	• Dimension: 100x98x22mm
• Data Transmission: USB cable	• Net Weight: 205g
• Sample Rate: 44.1/48kHz	

## BM-650

### Features

- Boundary microphone tailored for teaching program recording & live broadcast, video source switching by technical director, TV studio, video conference, monitoring
- Built-in omni-directional capsule, wide pickup range, clearer sound
- Hanging holes on the back; Put the microphone on table or hang on the wall for convenient wall installation
- RFI shield technology effectively prevents from cell phone signal interference
- 150Hz bass attenuation switch effectively decreases picking up ambient noise
- Anti-skidding rubber pads prevent from skidding and reduce the vibration from table
- Capacitive touch mute switch eliminates the mechanical noise of traditional switch
- Professional XLR audio connector for convenient connection with video conference system or audio equipment, e.g. mixer

### Application

- Teaching program recording & live broadcast, video source switching by technical director, TV studio, video conference, monitoring

### Specification

• Cartridge: $\Phi$ 12mm condenser cartridge	• Distortion: $\leq$ 1.5% at 1KHz
• Polar Pattern: omni-directional	• S/N Ratio: $\geq$ 65dB
• Frequency Response: 50Hz-15kHz	• Bass Attenuation: 150Hz 12dB/Oct
• Sensitivity: -36dB $\pm$ 3dB (0dB=1V/Pa at 1KHz)	• Power Supply: 9-52V phantom power
• Max SPL: 130dB (THD $\leq$ 1.5% at 1kHz)	• Dimension: 136x106x40mm(LxWxH)
• Output Impedance: 100 $\Omega$ $\pm$ 30% (at 1kHz)	• Weight: 600g

## HM-700

### Features

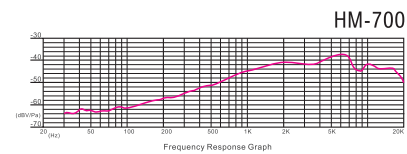
- Cardioid vocal pick-up
- Overhead wear style

### Application

- Teaching, touring, reception, performance, used with voice amplifier or wireless microphone

### Specification

• Transducer Principle: Back Electret Condenser	• Output Impedance: 1000 $\Omega$ $\pm$ 30% (at 1kHz)
• Directivity Characteristic: Cardioid	• Max. Operating Voltage: 10V
• Frequency Response: 50Hz-16kHz	• Power Requirements: 1.5V
• Sensitivity: -45dB $\pm$ 3dB (0dB=1V/Pa at 1kHz)	• Net Weight: 40g



## HM-850

### Features

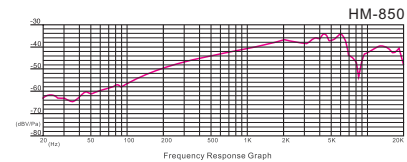
- Cardioid vocal pick-up
- Overhead wear style

### Application

- Teaching, touring, reception, performance, used with voice amplifier or wireless transmitter

### Specification

• Transducer Principle: Back Electret Condenser	• Output Impedance: 1000 $\Omega$ (at 2kHz)
• Directivity Characteristic: Cardioid	• Max. Operating Voltage: 10V
• Frequency Response: 50Hz-16kHz	• Power Requirement: 1.5V
• Sensitivity: -45dB $\pm$ 3dB (0dB=1V/Pa at 1kHz)	• Net Weight: 34g



## HM-200W

### Features

- Tailored for square dance, teaching, shopping guide, used with amplifier or speaker cabinet together
- UHF wireless transmission/receiving technology, high anti-interference capability, more than 50m transmission range
- Frequency modulation, at most 40 amplifiers can be used simultaneously without crosstalk and interference
- Condenser microphone, high sensitivity, clear sound
- Rechargeable Li-ion battery, more than 6h operation time

### Application

- Used with amplifier or speaker cabinet in speech, teaching, touring guide, or propaganda

### Specification

• Frequency Response: 60Hz-16KHz	• Operation Time: approximate 6h
• Frequency Range: 630MHz-890MHz	• Operation Range: open area 50m
• Sensitivity: -51dB~-54dB (0dB=1V/Pa at 1KHz)	• Net Weight: transmitter: approximate 22g; receiver: approximate 39g
• Operation Voltage: DC2.5-5.5V	• Dimension: transmitter: 78.92 x 28 x 15.4mm; receiver: 61.7 x 27.6 x 21.7mm
• Battery: Li-ion battery 400mAh	
• Charging Voltage: DC 5V/100mA	
• Charging Time: approximate 4h	







### TCM-370

#### Features

- Cardioid directivity characteristic
- High sensitivity
- Clear and natural vocal reproduction
- Light-weight design for flexible positioning
- Unique plastic nip, firm and gentle on textile

#### Application

- Video production, performance, broadcasting, instrument recording

#### Specification

• Transducer Principle: Back Electret Condenser	• Output Impedance: 680Ω±30% (at 1kHz)
• Directivity Characteristic: Cardioid	• Max. Operating Voltage: 10V
• Frequency Response: 50Hz-18kHz	• Power Requirements: 1.5V
• Sensitivity: -45dB±3dB (0dB=1V/Pa at 1kHz)	• Cable Dimensions: Ø1.7mm x 1.2m



### TCM-380

#### Features

- Pickup high sensitivity, clear sound
- Uni-directional microphone, noise immunity strong
- The microphone is compact and easy to wear, good stability

#### Application

- Interviews, lectures, web conferencing, telecast live, musical instruments, PA

#### Specification

• Transducer Principle: Condenser	• Output Impedance: 680Ω ± 30% (at 1kHz)
• Directivity: Unidirectional	• Operating Voltage: 1.5-10V
• Frequency Response: 70Hz-15kHz	• Cable Length: Ø1.8mm x 1.2m
• Sensitivity: -47dB ± 3dB (0dB = 1V/Pa at 1kHz)	



### TCM-390

#### Features

- Cardioid microphone, do the exact pickup particular direction, reducing environmental noise input
- Pickup high sensitivity, clear sound
- Microphone compact, robust, and easy to wear

#### Application

- Interviews, lectures, web teleconferencing, studio scene, musical instruments, PA

#### Specification

• Single: back-electret	• Output Impedance: 680Ω ± 30% (at 1kHz)
• Polar Pattern: cardioid	• Maximum Working Voltage: 10V
• Frequency Response: 50Hz-18kHz	• Voltage: 1.5V
• Sensitivity: -45dB ± 3dB (0dB = 1V/Pa at 1kHz)	• Cable Length: Ø1.7mm x 1.2m



### TCM-400

#### Features

- Tailored for webcast, interview, courseware rerecording, video recording
- Plug and play, Ø3.5mm connector, convenient connection with cell phone/DSLR/sound card
- Omnidirectional condenser cartridge, accurate and high sensitivity picking up of sound details
- Cable length 5m to meet the requirement of outdoor application
- Smart noise reducing function to effectively reduce the ambient noise and ensure better recording effect
- Cell phone cable supplied for convenient recording and headset monitoring

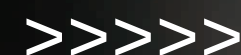
#### Application

- Webcast, interview, courseware recording, video recording

#### Specification

• Type: electret	• Sensitivity: -35dB±3dB(0dB=1V/Pa at 1KHz)
• Polar Pattern: omni-directional	• Output Impedance: 2.2KΩ±30%
• Frequency Response: 50Hz-18KHz	• Operation Voltage: 1.5V-4.5V

# WIRELESS MICROPHONE





M-2R



### M-2R

#### Features

- Tuner true diversity technology improves receiving capability
- VA LCD intuitive display
- Preset 8 groups, each group has 12 non-interference channels for convenient installation
- Automatic search function for non-interference channel
- SQ function changes sensitivity threshold to improve anti-interference capability
- XLR and 6.3 connector for convenient connection
- The receiver can be used with Takstar antenna system to improve receiving range and signal

#### Application

- Show, wedding, school, church

#### Specification

Specification	• Audio Output: XLR & 6.3mm connector
• Frequency Range: 470~960 MHz(frequency band)	• Receiver Dimension(LxWxH): 400 x 42 x 183mm
• Channel Quantity: two channels	• Receiver Weight: approx. 1720g
• Frequency Band Quantity: 700	Handheld Transmitter
• Frequency Width: 30MHz	• Power Supply: two AA batteries
• Modulation: FM	• Transmission Power: ≤10mW
• Mute Control: frequency guide	• Display: LCD displays channel and power supply information
• Frequency Deviation:±48KHz	• Oscillation: PLL
• Frequency Response: 50~18000Hz	• Operation Time: more than 8h
• Frequency Accuracy: ±15KHz	• Dimension (D*H): 54*260mm
• Dynamic Range: ≥95dB A+	• Weight: approx. 345g
• S/N Ratio: ≥100dB A+	• Bodypack Transmitter
• Distortion: ≤1% (at 1KHz)	• Channel Setting: SYNC automatic lock frequency
• Operation Range: 100M	• Display: LCD displays channel and power supply information
Receiver	• Oscillation: PLL
• Receiving: dual modulation auto diversity	• Power Supply: two AA batteries
• Oscillation: PLL	• Transmission Power: ≤10mW
• Display: VALCD	• Operation Time: more than 8h
• Power Supply: DC 12V/1000mA	• Dimension (WxLxH): 66*97*25mm
• Antenna: BNC/50Ω, 10-12V/300mA (Max.)	• Weight: approx. 86g
• Receiving Sensitivity: ≤-85dBm (wired during test)	

### G5

#### Features

- Digital wave guide technology effectively solves the crosstalk problem
- UHF frequency, PLL design
- 100x2 channels, 250KHz interval
- Double superheterodyne design, high receiving sensitivity
- The mute circuit effectively reduces ON/OFF noise
- Infrared matching function
- Microphone operation time approximate 6-10h
- Voltage boosting design keeps the microphone performance during low voltage
- The microphone automatically mutes after being unheld by hand for 3 seconds, and stands by for 5 minutes, and powers off for 15 minutes

#### Application

- KTV, live performance, large conference

#### Specification

System Specifications	• Sensitivity: -95~-60dBm
• Frequency Range: 645-693MHz	• Dimension: 420X165X48mm
• Modulation: FM	• Weight: 1470g
• Frequency Stability: ±10ppm	• Power Supply: DC 12V
• Frequency Response: 40Hz-18KHz	• Power Consumption: ≤10W
• S/N Ratio: ≥110dB	Transmitter Specification
• Distortion: ≤0.5% (at 1KHz)	• Output Power: 3-30mW
• Operation Range: 100m (ideal indoor environment)	• Power Supply: 2 AA batteries
• Adjusting Frequency Band Qty: 100x2	• Transmitter Dimension: 250Xφ48mm
Receiver Specifications	• Transmitter Weight: 330g
• Way: double superheterodyne	



### X3

#### Features

- UHF wireless microphone dedicated frequency band design avoids other industrial frequency interference
- D-PLL RF frequency lock technology for accurate frequency and stable performance
- Professional audio companding technique for reducing the noise and increasing the dynamic range
- Long operating range up to 50m in open area
- Transmitter is powered by 2pcs 1.5V batteries for easy replacement
- Advanced pilot signal lock function can better avoid interference and eliminate the on/off mechanical noise
- Mixed(6.35mm)output for convenient connection with the audio processing and amplifier equipment
- Receiver adopts USB power interface which can be conveniently powered by various devices with USB function directly

#### Application

- Classroom, home entertainment, multimedia applications, outdoor activities, KTV

#### Specification

System Specifications	Receiver Specifications
• Frequency Range: 540MHz-950MHz (frequency band)	• Way: FM
• Modulation: FM	• Sensitivity: -85dBm
• Frequency Band: 16+16	• Dimension: 160 x 90 x 28mm
• Frequency Stability: ±0.005%	• Weight: 308g
• Max Deviation: ±45kHz	• Output Way: unbal combo output
• Frequency Response: 60Hz-15kHz	• Power Supply: DC 5V/500mA (USB)
• S/N Ratio: >85dB (A+)	Transmitter Specification
• Distortion: <1%	• Output Power: <10mW
• Operation Temperature: 0~+40°C	• Power Supply: 3V (2 AA batteries)
• Operation Range: effective range 50m (open area)	• Operation Time: about 10h
• Mute Control: frequency guide	• Transmitter Dimension: 235 x φ55mm
	• Transmitter Weight: 225g







X3PP



X3HH

### X3PP/X3HH

#### Features

- Designed with UHF wireless microphone dedicated frequency band, free from interference from other industrial frequencies
- 32 sets of channels for adjustment to avoid frequency interference, supporting simultaneous use of multiple sets of microphones
- Infrared matching to synchronize the channels of the transmitter and the receiver with just one click
- Long operating range up to 50m in open area, reliable performance
- USB Type-C interface of the receiver to connect a mobile power supply for outdoor use
- Two AA batteries to power up the transmitter for long time operation, easy to maintain and replace
- Independent output and combo out to connect a mixer or a Karaoke amplifier

#### Application

- Teaching, training, speech, home entertainment, outdoor performance, etc.

#### Specification

System Specification	• Audio Out: Independent bal XLR and unbal 6.3 combo
• Frequency Range: 470~960MHz (frequency band design)	• Sensitivity: ≤-90 dBm (wiring test)
• Modulation: FM	• Audio Out Max Level: 1.2V/RMS (at 1KHz THD=1%)
• Mute Control: pilot frequency ID code	• Dimension (LxWxH): 160X157X33mm
• Adjustable Range: 20MHz	• Weight: 475g
• Frequency Band Qty: 64	• Handheld Microphone
• Frequency Band Interval: 300KHz	• Output Power: ≤10mW
• Frequency Stability: ±0.015%	• Power Supply: two AA batteries
• Dynamic Range: ≥90dB A+	• Operation Time: ≥8h
• Modulation Deviation: ±48KHz	• Dimension (DxL): Φ50x236mm
• Frequency Response: 80Hz~18KHz	• Weight: 255g
• S/N Ratio: ≥95dB A+	• Bodypack Transmitter
• Distortion: ≤0.5% (at 1KHz)	• Output Power: ≤10mW
• Operation Temperature: -10°C~+40°C	• Power Supply: two AA batteries
• Operation Range: 50m (open area)	• Operation Time: ≥8h
Receiver	• Dimension (LxWxH): 100x64x24.5mm
• Power Supply: DC 5V 0.5A	• Weight: 80g

### X4

#### Features

- UHF wide frequency band design provides 800 selectable frequencies
- D-PLL RF frequency lock technique for accurate frequency and stable performance
- Double conversion receiving technology features strong signal receiving ability
- 10 groups of interference-free reception frequencies pre-setting for convenient setup of multiple systems at one venue
- Adopts professional audio companding technique for low noise and wide dynamic range
- Intelligent microcomputer control enables 4 wireless microphones to work simultaneously
- Designed with 4 independent audio outputs, 1 mixed output and 4 independent volume control for different application requirements
- Intuitive LC-display on both receiver and transmitters

#### Application

- Meeting room, campus classroom, karaoke, home entertainment, outdoor activities

#### Specification

System Specifications	• Noise Rejection: -60dB
• Frequency Range: 540MHz-950MHz (frequency band)	• Max Output Level: +10 dBV
• Modulation: FM	• Dimension: 430X195X50mm
• Adjustable Range: 40MHz	• Weight: 2605g
• Frequency Band: 800	• Output Way: independent and combo unbal output
• Frequency Band Interval: 50kHz	• Power Supply: DC/12V/1A
• Frequency Stability: less than ±0.005%	• Transmitter Specification
• Dynamic Range: 100dB	• Output Power: <10mW
• Max Deviation: ±48KHz	• Power Supply: 2 AA batteries
• Frequency Response: 80Hz-15kHz (±3dB)	• Operation Time: >10h
• S/N Ratio: >105dB A+	• Transmitter Dimension
• Distortion: ≤1.0%	• Bodypack Microphone: 112X65X23mm
• Operation Temperature: 0~+40°C	• Handheld Microphone: 265Xφ45mm
• Operation Range: effective range 50m (open area)	• Conference Microphone: 135X105X510mm
• Mute Control: frequency guide, noise	Transmitter Weight
Receiver Specifications	• Bodypack Microphone: 95g
• Way: FM	• Handheld Microphone: 330g
• MF Frequency: first MF: 184.2MHz second MF: 10.7MHz	• Handheld Microphone: 330g
• Antenna Connector: TNC/50Ω	• Conference Microphone: 445g
• Sensitivity: 12 dBμV (80dB/S/N)	



X4-TD



X4-TL



X4-TH

### X6

#### Features

- UHF intelligent wireless audio transmission technology features stable and high interference-free performance
- Advanced frequency scan function features automatic and fast interference-free frequency selection
- Built-in digital frequency assignment system provides more than 100 sets system for engineering installation
- Infrared frequency synchronization technology, LC-display on receiver and transmitter for easy and convenient operation
- Transmitter is powered by 2pcs 1.5V batteries for easy replacement
- Balanced and unbalanced output on receiver for convenient connection with various equipments
- Long operating range up to 50 meters
- Transmitter housing are treated with alloy oxidation for high ruggedness and against corrosion

#### Application

- Engineering installation, on-stage performance, home entertainment, speech

#### Specification

System Specification:	• Sensitivity: 12dB u V (80 dB S/N)
• Frequency Range: 470~960MHz (frequency band design)	• Sensitivity Adjustment Range: 12-32dB u V
• Adjustable Range: 50MHz	• Spurious Suppression: ≥75dB
• Frequency Spacing: 250KHz	• Wireless Interface: TNC/50Ω
• Number of Channels: 200	• Max. Output Level: +10dBV
• Frequency Steadiness: <±0.005%	• Dimension: 430x215x45mm
• Max. Frequency Deviation: ±45KHz	• Weight: 2365g
• S/N Ratio: > 105dB	Transmitter Specification:
• Operating Temperature: -10°C~+40°C	• Output Power: <10mW
• Dynamic Range: 100dB	• Power Supply: 2pcs AA battery
• Audio Response: 80Hz ~ 18KHz (±3dB)	• Spurious Suppression: -60dB
• THD: ≤0.5%	• Playtime: >10hrs
Receiver Specification:	• Dimension: 265x50x40 mm
• Receiver Mode: Double conversion superheterodyne	• Weight: 350g
• Intermediate Frequency: First: 110MHz, Second: 10.7MHz	



### X7

#### Features

- Using UHF wideband design, pre-programmed 200 selectable channels, anti-interference ability
- Use double-conversion receiver technology, with superior signal receptivity, the wireless range of up to 500 meters using
- Apply DPLL frequency stabilization, frequency accuracy, stable and reliable
- The use of professional audio compression - extension technology, low noise, small tail, greater dynamic range
- Advanced audio code modulation lock function, better able to avoid interference and impulsive noise elimination switch
- A separate output (XRL) and mixed (6.35mm) output for easy connection audio processing, amplifier equipment

#### Application

- Campus, sports activities and hosted lectures, outdoor activities and stage performances and other occasions

#### Specification

System Specifications	• MF Frequency: first MF: 110MHz second MF: 10.7MHz
• Frequency Range: 740-790MHz	• Antenna Connector: BNC
• Modulation: FM	• Sensitivity: -95dBm
• Adjustable Range: 50MHz	• Dimension: 420X215X50mm
• Frequency Band: 200	• Weight: 2580g
• Frequency Band Interval: 250KHz	• Output Way: independent bal/unbal
• Frequency Stability: ±0.005%	• Power Supply: DC/12V/0.5A
• Dynamic Range: 100dB	Transmitter Specification
• Max Deviation: ±45kHz	• Output Power: <100mW
• Frequency Response: 80Hz-18kHz (±3dB)	• Power Supply: 2 AA batteries
• S/N Ratio: >105dB	• Operation Time: 6h (related to battery)
• Distortion: ≤0.5%	• Transmitter Dimension
• Operation Temperature: 0~+40°C	• Bodypack Microphone: 113X63X20mm
• Operation Range: 500m	• Handheld Microphone: 260Xφ55mm
• Mute Control: frequency guide	• Transmitter Weight
Receiver Specifications	• Bodypack Microphone: 85g
• Way: FM	• Handheld Microphone: 285g



### TS-8807PP Upgraded Version

#### Features

- TUNER diversity technology effectively improves the problem of dead point and promote the receiving stability
- ID code function effectively prevent from the noise due to interference
- Dual CH UHF frequency band design, more reliable transmission and low interference than VHF
- Press one button of receiver to scan the non-interference frequency band automatically and quickly
- Infrared matching, press to match transmitter and receiver, convenient operation
- SQ function to adjust sensitivity according to actual environment to improve anti-interference capability and receiving range
- Independent bal XLR and unbal (6.3mm) combo out, convenient connection
- Low power indication of transmitter, intuitive display
- Low cut/low attenuation function effectively reduces ambient noise and vibration noise

#### Application

- Conference, training, teaching

#### Specification

System Specification	Receiver
• Frequency Range: 470~960MHz (frequency band design)	• Power Supply: DC=12V/0.5A
• Modulation: FM	• Frequency Out: independent bal and combo
• Mute Control: frequency guide ID code	• Wireless Connector: TNC/50Q impedance
• Adjustable Range: 50MHz	• Sensitivity: ≤-90dBm (wiring test)
• Frequency Band Qty: 200	• Audio Out Max Level: 2.0V/RMS
• Frequency Band Interval: 250KHz	(at 1KHz THD=1%)
• Frequency Stability: ±0.015%	• Dimension (LxWxH): 430x190x51mm
• Dynamic Range: ≥100dBA+	• Weight: 2480g
• Modulation Deviation: ±48KHz	Transmitter
• Frequency Response: 50Hz~18KHz	• Output Power: ≤10mW
• S/N Ratio: ≥105dB A+	• Power Supply: two AA batteries
• Distortion: ≤0.5% (at 1KHz)	• Operation Time: ≥8h
• Operation Temperature: -20°C~+50°C	• Dimension (LxWxH): 100x64x24.5mm
• Operation Range: 50m (open area)	• Weight: 80g

### TS-8807HH

#### Features

- Dual channel UHF wireless microphone system designed for the various professional and semi-professional applications
- Digital PLL circuit guarantees a reliable sound synthesis and at more than 200 optional frequency settings provide the freedom to set up multiple systems at one venue
- Microphone synchronization via infrared data transmission
- Adjustable transmitter power makes it suitable for various applications like on-stage performances, universities as well as KTV-clubs
- Key lock function on receiver and transmitter avoids misoperation
- Squelch function ensures optimal performance tailored to the demands of the application
- LC-displays on receiver and transmitters enable an intuitive communication with the user

#### Application

- Karaoke, motional sound source recording and amplifying, live performances, conference, house of worship, musical and opera

#### Specification

System Specifications	Receiver Specifications
• MF Frequency: first MF: 110MHz second MF: 10.7MHz	• Way: FM
• Frequency Range: 450MHz-950MHz (frequency band)	• Wireless Connector: TNC/impedance50 Ohm
• Modulation: FM	• Sensitivity: ≤-90dBm (wired test)
• Adjustable Range: 50MHz	• Sensitivity Adjusting Range
• Frequency Band: 200	• Max Output Level: 2V/RMS(at 1KHz THD=1%)
• Frequency Band Interval: 250kHz	• Dimension: 430*190*51mm
• Frequency Stability: ±0.005%	• Weight: 2360g
• Dynamic Range: > 100dB	• Power Supply: DC/12V/0.5A
• Max Deviation: ±45kHz	• Transmitter Specification
• Frequency Response: 80Hz-18kHz (-3dB)	• Output Power: high power 10mW low power 3mW
• S/N Ratio: > 105dB	• Power Supply: two 1.5V AA battery
• Distortion: < 0.5% (at 1KHz)	• Operation Time: about 10h
• Operation Temperature: 0~+40°C	Transmitter Dimension
• Operation Range: effective range 50m	• Bodypack Microphone: 107X61X24mm
• Mute Control: frequency guide	• Handheld Microphone: 270Xφ48mm
• Channel Qty: dual channel	Transmitter Weight
Receiver Specifications	• Bodypack Microphone: 75g
• Way: FM	• Handheld Microphone: 365g

### TS-8807TT

#### Features

- TUNER diversity technology effectively solves the dead corner problem and improves the receiving reliability
- Channel ID code function effectively prevents from external noise and channel crosstalk
- Dual channel UHF frequency bands have lower interference but more reliable transmission than that of VHF frequency band
- Infrared matching transmitter and receiver by pressing the button conveniently
- SQ adjusting function; Users can adjust sensitivity to boost anti-interference capability and operation range according to actual environment
- Independent balanced XLR and unbalanced 6.3 combo output for convenient connection
- The conference transmitter has LED indications for low power, speech and power on

#### Application

- Conference, training, teaching, PA applications

#### Specification

System Specifications	Receiver Specifications
• Frequency Range: 470~960 Mhz (frequency band)	• Way: FM
• Modulation: FM	• Wireless Connector: TNC/impedance 50 Ohm
• Adjustable Range: 50MHz	• Sensitivity: ≤-90dBm (wired test)
• Frequency Band: 200	• Sensitivity Adjusting Range: -90dBm~-60dBm
• Frequency Band Interval: 250KHz	• Max Output Level: 2V/RMS
• Frequency Stability: ±0.015%	• Dimension: 430 x 190 x 51mm
• Dynamic Range: ≥100dB A+	• Weight: 2.36KG
• Max Deviation: ±48KHz	• Output Way: independent bal/unbal
• Frequency Response: 150~12500Hz (line, 1KHz, -3dB)	• Power Supply: DC12V/0.5A
• S/N Ratio: ≥100dB A+	• Output Way: independent XLR and combo
• Distortion: ≤0.5% (at 1KHz)	6.3mm connector
• Operation Temperature: 0~+40°C	Transmitter Specification
• Operation Range: 50m	• Output Power: ≤10mW
• Mute Control: frequency guide ID code	• Power Supply: 2 AA batteries
• Channel Qty: dual channel	• Operation Time: 8h
	• Transmitter Dimension: 142 x 100 x 480mm
	• Transmitter Weight: 0.45KG (PCS)

### TS-8808HH

#### Features

- TUNER diversity technology effectively solves the problem of dead point and improves the receiving stability
- ID code function effectively prevents from external interference and channel crosstalk noise
- The receiver has the function of one button to automatically scan and quickly select the channel without interference
- Infrared matching for simultaneously operation of transmitter and receiver
- The receiver has SQ adjusting function. The transmitter has high/low power switching function. User can adjust the sensitivity and improve anti-interference capability and operation range according to the application environment
- Independent bal XLR and unbal 6.3 combo connector for convenient connection
- The transmitter and receiver have locking function to prevent from misoperation

#### Application

- Conference, training, teaching, PA, wedding, small party

#### Specification

System Specifications	Receiver Specifications
• Frequency Range: 470~960 MHZ(frequency band)	• Way: FM
• Modulation: FM	• Wireless Connector: TNC/impedance50 Ohm
• Adjustable Range: 50MHz	• Sensitivity: ≤-90dBm (wired test)
• Frequency Band Qty: 200	• Sensitivity Adjusting Range
• Frequency Band Interval: 250KHz	• Max Output Level: 2V/RMS(at 1KHz THD=1%)
• Frequency Stability: ±0.015%	• Dimension: 430*190*51mm
• Dynamic Range: ≥90dB A+	• Weight: 2360g
• Frequency Response: 80Hz~16KHz	• Power Supply: DC12V/0.5A
• S/N Ratio: ≥100dB A+	• Output Way: independent(XLR)/6.3mm combo
• Distortion: ≤0.5% (at 1KHz)	Transmitter Specification
• Operation Temperature: 0~+40°C	• Output Power: ≤10mW
• Operation Range: 50m	• Power Supply: 2 AA batteries
• Mute Control: frequency guide ID code	• Operation Time: 8h
• Channel Qty: dual channel	• Transmitter Dimension: 270*φ53mm
• Modulation Deviation: ±48KHz	• Transmitter Weight: 350g







TS-7220PP



TS-7220HP



TS-7220HH

**TS-7220HH/TS-7220HP/TS-7220PP**

**Features**

- UHF frequency band features interference-free reception
- Long operating range up to 50 meters in open area
- Transmitter features excellent audio companding circuit and high quality cardioid capsule for best sound quality and maximum feedback rejection
- Powered by 2pcs of 1.5V batteries for convenient use
- Advanced pilot frequency lock function can better avoid interference and eliminate the on/off impulsive noise
- Balanced (XLR) and unbalanced (6.3mm) output for convenient connection with various audio equipment
- Receiver adopts quartz frequency multiplication fixed frequencies for simple and convenient use

**Application**

- Campus meeting, entertainment host, speech, Karaoke

**Specification**

System Specifications	• MF Frequency: 10.7MHz
• Frequency Range: 450MHz-950MHz (frequency band)	• Antenna Connector: TNC
• Modulation: FM	• Sensitivity: -90dBm
• Adjustable Range: PLL/quartz oct	• Dimension: 200X150X50mm
• Frequency Band: fixed frequency	• Weight: 340g
• Frequency Stability: ±0.005%	• Output Way: independent bal/unbal
• Dynamic Range: > 100dB	• Power Supply: DC/12V/0.5A
• Max Deviation: ±45kHz	Transmitter Specification
• Frequency Response: 60Hz-15kHz	• Output Power: <10mW
• S/N Ratio: > 80dB	• Power Supply: 3V
• Distortion: < 0.5%	• Operation Time: 10h
• Operation Temperature: 0~+40°C	• Transmitter Dimension
• Operation Range: open area 50m	• Handheld Microphone: 260Xφ50mm
Receiver Specifications	• Transmitter Weight
• Way: FM	• Handheld Microphone: 275g

**TS-7210H**

**Features**

- UHF wireless frequency band, twice frequency conversion and dual antenna receiving technology guarantee interference-free reception
- Transmitter features battery power indication
- Transmitter adopts professional audio companding chip for excellent transient response and wide dynamic range
- Receiver adopts quartz frequency multiplication, data pilot frequency, noise lock technology, which effectively prevent RF interference, on/off switch impulsive noise and improve the SNR
- Transmitter is powered by 2pcs AA battery for convenient use
- Balanced (XLR) and unbalanced (6.3mm) output for convenient connection with various audio equipment

**Application**

- Campus meeting, entertainment host, speech, Karaoke

**Specification**

System Specifications	• MF Frequency: 10.7MHz
• Frequency Range: 450MHz-950MHz	• Antenna Connector: TNC
• Modulation: FM	• Sensitivity: -90dBm
• Adjustable Range: PLL/Quartz frequency multiplication	• Dimension: 200X150X50mm
• Frequency Band: fixed frequency	• Output Way: independent bal/unbal
• Frequency Stability: ±0.005%	• Power Supply: DC/12V/0.5A
• Dynamic Range: >100dB	Transmitter Specification
• Max Deviation: ±45kHz	• Output Power: <10mW
• Frequency Response: 60Hz-15kHz	• Power Supply: 3V (2pcs 1.5V battery)
• S/N Ratio: >80dB	• Operation Time: approx. 10hrs
• Distortion: <1%	Transmitter Dimension
• Operation Temperature: -20°C~60°C	• Handheld Microphone: 260Xφ50mm
• Operation Range: 50m in open area	Transmitter Weight
Receiver Specifications	• Handheld Microphone: 275g
• Way: FM	



**TS-2200**

**Features**

- VHF frequency band for interference-free reception
- Hi-frequency with narrow-band and mid-frequency with selection filter, clear up interference of the hash
- ALC circuitry avoids distortion even the volume output is high
- LED power indicator for low battery power warning on handheld microphone
- Transmitter features switching noise shock wave elimination circuit
- Pure Quartz Oscillation circuit for stable frequency performance
- Audio companding technique reduces the noise and increases the dynamic range
- Acoustic feedback rejection circuitry effectively reduces the howling
- Mixed output (6.3mm) for convenient connection with mixer console or karaoke amplifier

**Application**

- Public speech, karaoke

**Specification**

System Specifications	Receiver Specifications
• Frequency Range: 220MHz-270MHz	• Sensitivity: -80dBm
• Frequency Band Qty: dual channel	• Dimension: 200X135X50mm
• Frequency Stability: ±0.005%	• Weight: 325g
• Max Deviation: ±15kHz	• Power Supply: External DC12V/300mA power adapter
• Frequency Response: 60Hz-15kHz	• Transmitter Specification
• S/N Ratio: >80dB	• Output Power: <10mW
• Distortion: <0.5%(1kHz)	• Power Supply: two 9V 6F22 batteries
• Operation Range: effective range 35m	• Transmitter Dimension
• Mute Control: lock noise	• Handheld Microphone: 230Xφ50mm
	• Transmitter Weight
	• Handheld Microphone: 195g



**TC-2R/TC-4R**

**Features**

- TC-2R VHF dual channel wireless microphone
- The high quality dynamic capsule and circuit connection features excellent sound quality
- TC-4R: Supplied with one receiver and four transmitters
- TC-2R: 50-80m operating area
- TC-4R: 50m operating area
- Selected VHF frequency to avoid interference
- Feedback rejection function can effectively reduce howling
- Optional mixed or individual output to connect with any mixer / amplifier
- The receiver can be used together with handheld mic TC-TD, body-pack TC-TL or conference mic TC-TH at the same time
- Easy recognition by different color for each frequency

**Application**

- Handheld mic: KTV, program hosting, outdoor activities
- Body-pack mic: Broadcasting, program hosting, outdoor activities
- Conference mic: Conference, lecture

**Specification**

System Specifications	TC-2R
• Frequency Range: 220~270MHz (fixed frequency)	• Dimension: 210X145X40mm
• Modulation: FM	• Weight: 725g
• Channel Qty: dual channel	• Power Supply: DC 12V-300mA
• Frequency Stability: ±0.005%	TC-4R
• Max Deviation: ±18kHz	• Dimension: 420X200X48mm
• Frequency Response: 80Hz-15kHz	• Weight: 1750g
• S/N Ratio: > 70dB	• Power Supply: DC 12V-500mA
• Distortion: <0.5% (1kHz)	Transmitter Specification
• Operation Temperature: 0~+40°C	• Power Supply: 9V battery (TC-TD)
• Operation Range: effective range 50m	Transmitter Dimension
• Mute Control: lock interference	• Bodypack Microphone: 100X65X25mm
Receiver Specifications	• Handheld Microphone: 235Xφ48mm
• Way: FM	• Conference Microphone: 135X90X405mm
• MF Frequency: 10.7MHz	Transmitter Weight
• Wireless Connector: VHF antenna	• Bodypack Microphone: 85g
• Sensitivity: -80dBm	• Handheld Microphone: 270g
• Output Way: independent/combo unbal output	• Conference Microphone: 530g



TC-TH TC-TL TC-TD



TC-2R



TC-4R



TS-6700PP

TS-6700HH



### TS-6700PP/TS-6700HH

#### Features

- VHF wireless microphone
- 50m operating distance
- Pure quartz oscillation circuit guarantees stable performance
- Circuit controlled switching noise elimination
- ALC for low distortion, audio companding technology for low noise and wide dynamic range
- Effective feedback control circuitry
- Low power consumption
- LED status indicator on both transmitters and receiver
- Separate or mixed output

#### Application

- Motional sound source recording and amplifying, live performances, conference, house of worship, musical and opera

#### Specification

System Specifications	Receiver Specifications
• Frequency Range: 220MHz-270MHz	• Sensitivity: -80dBm E309
• Frequency Stability: ±0.005%	• Dimension: 420X200X50mm
• Max Deviation: ±15kHz	• Weight: 1640g
• Frequency Response: 60Hz-15kHz	• Power Supply: External DC12V/300mA power adapter
• S/N Ratio: >80dB	Transmitter Specification
• Distortion: ≤0.5% (at 1kHz)	• Power Supply: 9V battery/1.5V AA battery (TS-6700PP)
• Operation Range: open area 50m/ effective range 30m	Transmitter Dimension
• Mute Control: lock noise	• Handheld Microphone: 240Xφ45mm
• Channel Qty: dual channel	Transmitter Weight
	• Handheld Microphone: 305g

### TS-331P/TS-331H

#### Features

- VHF wireless system
- Effective feedback control circuitry
- Electronic on/off switching noise suppression
- Low power consumption

#### Application

- Motional sound source recording and amplifying for live performances, conference, house of worship, musical and opera

#### Specification

System Specifications	Receiver Specifications	Transmitter Specification
• Operation Range: effective range 50m	• Weight: 190g	
• Frequency Range: 220MHz-270MHz	• Mute Control: lock interference	• Power Supply: External DC 9V/300mA power adapter
• Modulation: FM	• Channel Qty: mono	
• Channel Qty: mono	Receiver Specifications	• Output Way: unbal output
• Frequency Stability: ±0.005%	• Way: FM	Transmitter Specification
• Max Deviation: ±15kHz	• MF Frequency: 10.7MHz	• Output Power: ≤10mW
• Frequency Response: 60Hz-13kHz	• Antenna Connector: VHF antenna	• Power Supply: 9V battery
• S/N Ratio: >70dB	• Sensitivity: -80dBm	• Dimension: 230Xφ50mm
• Operation Temperature: 0~+40°C	• Dimension: 150X105X40mm	• Weight: 195g



TS-331P

TS-331H

### TS-7200

#### Features

- VHF wireless system features high sound quality, good resistance against interference and stable signal reception
- Long operating distance up to 140 meters
- Squelch control for eliminating RF interference and switching noise
- Individual and mixed unbalanced audio output for convenient connection with audio equipment
- LED status indicator on both transmitters and receivers

#### Application

- Campus conference, outdoor activity and stage performance

#### Specification

System Specifications	Receiver Specifications
• Dimension: 42X1820X55mm	
• Frequency Stability: ±0.005%	• Weight: 1725g
• Max Deviation: ±18kHz	• Power Supply: DC 12V/300mA
• Frequency Response: 80Hz-15kHz	Transmitter Specification
• S/N Ratio: >70dB	• Power Supply: 9V
• Distortion: 0.5%(1kHz)	Transmitter Dimension
• Mute Control: lock interference	• Handheld Microphone: 237Xφ50mm
• Channel Qty: dual channel	Transmitter Weight
Receiver Specifications	• Handheld Microphone: 270g
• Sensitivity: -80dBm	



### TS-6310HH

#### Features

- VHF frequency band and 42 frequency groups for interference-free reception
- Multilevel high frequency and mid frequency narrowband filter for minimum signal interference
- Unique ALC circuitry for avoiding distortion when volume is high
- Pure quartz oscillator circuitry for stable frequency
- Audio companding technique for reducing the noise and enlarging the dynamic range
- Effective feedback control circuitry
- Low power consumption design
- LED power indicator for low battery warning on handheld microphone transmitter
- Circuit controlled switching noise elimination
- Separate or mixed output
- Rugged and durable handheld microphone design

#### Application

- Karaoke engineering installation, motional sound source recording and amplifying, live performances, conference, house of worship, musical and opera

#### Specification

System Specifications	Receiver Specifications
• Weight: 725g	
• Frequency Range: 220MHz-270MHz	• Power Supply: External DC12V/300mA power adapter
• Adjustable Range: ±18kHz	Transmitter Specification
• Frequency Response: 80Hz-12.5kHz	• Output Power: ≤10mW
• S/N Ratio: >80dB	• Power Supply: 9V battery (TS-6310); AA battery
• Distortion: ≤0.5% (at 1kHz)	Transmitter Dimension
• RF Accuracy: ±0.005%	• Handheld Microphone: 235Xφ48mm
• Channel Qty: dual channel	Transmitter Weight
Receiver Specifications	• Handheld Microphone: 220g
• Dimension: 210X150X45mm	







TS-3310PP



### TS-3310PP

#### Features

- VHF frequency band and 42 frequency groups for interference-free reception
- Multilevel high frequency and mid frequency narrowband filter for minimum signal interference
- Unique ALC circuitry for avoiding distortion when volume is high
- Pure quartz oscillator circuitry for stable frequency
- Audio companding technique for reducing the noise and enlarging the dynamic range
- Effective feedback control circuitry
- Low power consumption design
- LED power indicator for low battery warning on handheld microphone transmitter
- Circuit controlled switching noise elimination
- Independent unbalanced and mixed output
- Rugged and durable handheld microphone design

#### Application

- Motional sound source recording and amplifying in performance show and on stage

#### Specification

System Specifications	• Dimension: 210X145X43mm
• Modulation: FM	• Weight: 730g
• Frequency Stability: ±0.005%	• Power Supply: DC 12V/300mA
• Frequency Response: 80Hz-15kHz	• Output Way: independent and combo
• S/N Ratio: >70dB	Transmitter Specification
• Distortion: <0.5% (1kHz)	• Output Power: ≤10mW
• Operation Range: open area 50m	Transmitter Dimension
• Mute Control: lock interference	• Handheld Microphone: 237Xφ48mm
• Channel Qty: dual channel	Transmitter Weight
Receiver Specifications	• Handheld Microphone: 280g
• Sensitivity: -80dBm	



### TS-K201

#### Features

- Tailored for sound card, power amplifier or speaker cabinet during webcast, Karaoke, speech
- UHF technology, without the trouble of cable connection
- Automatic matching technology, easy operation, high capability of anti-interference, about 25m operation range in open area
- 50 channel for adjustment, without frequency interference, supporting multiple microphones used simultaneously
- LED display, easy operation, intuitive information
- Compact design, plug and play, conveniently connecting with various audio equipment
- Press one button for mute function. Cutting down mic signal quickly according to actual situation
- φ6.3mm adapter to conveniently connect with audio equipment of φ6.3mm connector

#### Application

- Webcast, Karaoke, propaganda, speech

#### Specification

Specification	• Sensitivity: -55±3dB dB (0db=1V/Pa/m at 1kHz)
• Frequency Range: 630-698MHz	• Gain Adjustment: -18dB - 21dB
• (frequency band) Channel Quantity: mono	• Transmitter Power: ≤10mW
• Frequency Band Quantity: 50	• Power Supply: 2 AA batteries
• FM Width: 12.5MHz	• Dimension: Φ36.5mmX245mm
• Frequency Band Interval: 250KHz	• Net Weight: approximate 237g
• Modulation: FM	Receiver
• Mute: wave guide/digital ID	• Audio Output: Φ3.5mm line out
• Frequency Response: 120Hz-17KHz (1KHz reference -3dB)	• Battery: Li-ion battery
• Frequency Stability: ±7KHz	• Battery Specification: 3.7V/400mAh
• S/N Ratio: ≥95dB	• Charging: USB 5V/200mA (max battery charging current)
• Dynamic Range: ≥90dB	• Charging Time: approximate 2h
• Distortion: <1%(at 1KHz)	• Operation Time: approximate 5h
• Operation Range: approximate 25m(open area)	• Dimension: 80.5mmX28mmX15.5mm(L X W X H)
Transmitter (microphone)	• Net Weight: approximate 22g
• Cartridge: dynamic	
• Polar Pattern: unidirectional	

# ON-STAGE MICROPHONE





### PCM-5560

#### Features

- Unique outlook design with multiple optional colors, perfect combination of profession and fashion
- High efficiency electro-acoustic conversion technology ensures natural and clear sound reproduction
- 3-step sensitivity adjustment switch for different application
- High sensitivity and low impedance design perfectly matches the computer integrated sound card or external sound card connection
- Built-in filter windscreen effectively eliminate the unwanted noise such as breathing or wind noise
- Provided with C2-1 special conversion cable for convenient mobile phone karaoke and better sound performance
- Powered by 1pc 1.5V AAA battery, long operating time up to 360 hours

#### Application

- Internet TV karaoke, mobile phone karaoke, network karaoke, PC recording, instrument recording

#### Specification

• Transducer Principle: Back electret condenser	• Max. Input SPL: 128dB(THD≤1% at 1KHz)
• Polar Pattern: Cardioid	+10dB(for network karaoke)
• Frequency Response: 30Hz-20KHz	• Sensitivity: -32dB±3dB(0dB=1V/Pa at 1KHz)
-10dB(for home entertainment)	• Equivalent Noise Level: ≤18dB(IEC 581-5)
• Sensitivity: -52dB±3dB(0dB=1V/Pa at 1KHz)	• Max. Input SPL: 118dB(THD≤1% at 1KHz)
• Equivalent Noise Level: ≤32dB(IEC 581-5)	• Output Impedance: 350Ω±30%
• Max. Input SPL: 138dB(THD≤1% at 1KHz)	• Load Impedance: ≥1000Ω
0dB(for mobile phone karaoke, network karaoke)	• Power Requirement: 1pc 1.5V AA battery
• Sensitivity: -42dB±3dB(0dB=1V/Pa at 1KHz)	• Net Weight: 230g
• Equivalent Noise Level≤22dB(IEC 581-5)	

### DM-2300

#### Features

- High sound pressure handling capability
- Clear sound reproduction for live application
- Anti-slide mesh ring
- On/off switch for ease of operating

#### Application

- On-stage performance, karaoke, outdoor activities

#### Specification

• Transducer Principle: Dynamic	• Sensitivity: -50dB±3dB (0dB=1V/Pa at 1kHz)
• Directivity Characteristic: Cardioid	• Output Impedance: 600Ω±30% (at 1kHz)
• Frequency Response: 60Hz-18kHz	• Net Weight: 350g



PRO-38



E-340



### TA-60

#### Features

- Rugged zinc alloy structure and metal grille, fashionable and durable design
- Super cardioid pickup, pop-noise-resistant design, low feedback and high gain
- Capsule shock mount design prevents handling noise and ensures the excellent pickup effect
- Wide frequency response, natural reproduction without distortion
- Magnetic-reed switch design prevents ON/OFF surge noise and protects the rear equipments

#### Application

- Stage show, karaoke, outdoor activity

#### Specification

• Transducer Principle: Dynamic	• Sensitivity: -51dB±3dB (0dB=1V/Pa at 1kHz)
• Polar Pattern: Super cardioid	• Output Impedance: 350Ω±30% (at 1kHz)
• Frequency Response: 60Hz-18kHz	• Net Weight: 350g



# HEADPHONE



## SPRINT

### Features

- Ø10mm high resolution driver unit reproduces rich sound details
- Detachable high sensitivity microphone for prominent gaming experience
- Microphone built-in in-line controller to meet different applications
- In-line controller supports music and calling control
- Ergonomic design for comfortable and reliable wearing

### Application

- Cell phone, PAD, Nintendo Switch™

### Specification

- |   |   |
|---|---|
| • Unit: dynamic                           | • Microphone Polar Pattern: omni-directional            |
| • Unit Diameter: Ø10mm                    | • Microphone Sensitivity: -42dB±3dB (0dB=1V/Pa at 1KHz) |
| • Unit Impedance: 32Ω±15%                 | • Audio Connector: 3.5mm audio connector                |
| • Earphone Frequency Response: 20Hz-20KHz | • Net Weight: 18.5g                                     |
| • Earphone Sensitivity: 105dB±3dB         |   |



## FORGE

### Features

- 7.1 virtual surround sound, wide sound field for ambience feeling during esports
- Ø40mm NdFeB driver unit, high sensitivity, wide response and dynamic
- High sensitivity microphone turns off when being folded for convenient talking
- HiFi sound effect to identify the position and fight back accurately
- Ergonomic design to suit for wearing on various heads
- Soft headband and ear pads for comfortable wearing in a long time

### Application

- PC esports

### Specification

- |  |   |
|--|---|
| • Driver Unit: dynamic                                     | • Rated Power: 10mW                     |
| • Unit Diameter: Ø40mm                                     | • Max Power: 30mW                       |
| • Unit Impedance: 32Ω±15%                                  | • Connection Cable: Ø4mmX2m on one side |
| • Headphone Frequency Response: 20Hz-20kHz                 | • Net Weight: approximate 322g          |
| • Headphone Sensitivity: 97.5±3dB at 1KHz input 179mV(1mW) |   |



## SHADE

### Features

- Ø40mm NdFeB driver unit features high sensitivity, wide frequency response and large dynamic range
- Adopts compound material diaphragm, pure LF, penetrating MF and delicate HF
- Vocal signal cable designed with high sensitivity microphone for outstanding gaming dialogue experience
- Soft headband and ear pads for comfortable wearing
- Ergonomic design suits for various head shapes wearing
- Provided with headphone signal cable and Y-type extension cable to meet the application of mobile device, PC, etc

### Application

- PC, MAC, PS4™, Xbox One, mobile device

### Specification

- |  |  |
|--|--|
| • Unit Type: dynamic                                   | • Peak Power: 40mW                               |
| • Unit Diameter: Ø40mm                                 | • Rated Power: 15mW                              |
| • Unit Impedance: 26Ω±15%                              | • Headphone/Microphone Signal Cable: Ø4mm x 1.3m |
| • Frequency Response: 10Hz ~ 20KHz                     | • Headphone Signal Cable: Ø4mm x 1.2m            |
| • Sensitivity: 95±3dB at: 1mW 1KHz 318 simulation ears | • Y-type Extension Cable: Ø4mm x 2m              |
|  | • Net Weight: 235g(w/o cable)                    |







### FLIT

#### Features

- Ø53mm NdFeB driver unit, high magnetic energy, wider frequency response and dynamic
- Special PET diaphragm, powerful LF, full MF, high HF resolution
- The equipped high sensitivity microphone offers wonderful game experience
- Soft headband and ear pad for comfortable wearing for a long time
- Ergonomic design suits for wearing on various heads
- The supplied headset/microphone splitter cable for mobile equipment or PC application

#### Application

- PC, MAC, PS4™, Xbox One and mobile equipment

#### Specification

• Unit Type: dynamic	• Microphone Sensitivity: -42±3dB
• Unit Diameter: Ø53mm	(0db=1V/Pa/m at 1kHz)
• Unit Impedance: 60±15%Ω	• Rated Power: 100mW
• Headphone Frequency Response: 20Hz-20kHz	• Max Power: 250mW
• Headphone Sensitivity: 104±3dB at 1kHz	• Net Weight: approximate 260g



### RISE

#### Features

- Ø53mm NdFeB driver unit, wide frequency response and dynamic
- PET diaphragm, powerful HF, full MF, high resolution HF
- Ergonomic design for wearing on various heads
- Supporting 7.1 virtual sound for gaming ambience feeling
- Detachable microphone design for clear and high efficiency communication with your teammate
- Soft protein ear pads for comfortable wearing

#### Application

- PC, MAC, PS4™, Xbox One or mobile equipment

#### Specification

• Unit Type: dynamic	• Peak Power: 250mW
• Unit Diameter: Ø53mm	• Connection Type: USB adapter or Ø3.5mm four-pole plug
• Unit Impedance: 60Ω±15%	• Headphone Cable: Ø4mm x1.3m
• Headphone Frequency Response: 20Hz-20kHz	• Adapter Cable: Ø4mm x2m
• Headphone Sensitivity: 104±3dB at 1kHz	• Net Weight: approximate 255g
• Microphone Sensitivity: -42±3dB(0db=1V/Pa/m at 1kHz)	• Rated Power: 100mW

### SPLENDOR

#### Features

- Virtual 7.1 surround sound, accurate pan, ambience feeling gaming experience
- Ø50mm NdFeB driver unit, high sensitivity, wide response and dynamic
- MFLF vibration for better gaming experience
- Preset multiple EQ setting for various applications
- 16.8 million RGB lighting effect set by user for preferred atmosphere
- Detachable microphone, high quality picking up, prominent gaming talkback

#### Application

- PC/MAC with USB interface

#### Specification

• Unit Type: dynamic	• Rated Power: 10mW
• Unit Diameter: Ø50mm	• Peak Power: 30mW
• Unit Impedance: 32Ω±15%	• Connector Type: USB
• Headset Frequency Response: 20Hz-20kHz	• Headset Cable: Ø4mmx2m
• Headset Sensitivity: 93.5±3dB at 1kHz	• Net Weight: approximately 370g
• Mic Sensitivity: -35±4dB at 1kHz	

### NOUS

#### Features

- 2.4GHz wireless transmission technology, up to 15m ultra-low delay Hi-Fi audio transmission
- Virtual 7.1 surround sound, accurate pan and ambient gaming experience
- Ø50mm NdFeB driver, high sensitivity, wide response and dynamic
- Detachable microphone, high quality picking up, prominent talkback experience
- Low power consumption, up to 30h gaming time
- Compatible with multiple systems for mobile equipment/PC application

#### Application

- Suitable for PC, MAC, PS4™, Xbox One and mobile equipment

#### Specification

• Type: dynamic	Wireless Specification
• Unit Dia: Ø50mm	• Operation Frequency: 2402~2480MHz
• Unit Impedance: 32Ω±15%	• Transmission Power: ≤2dBm
• Headset Frequency Response: 20Hz-20kHz	• Receiving Sensitivity: -85dBm
• Headset Sensitivity: 97±3dB	• Delay: ≤16mS
Headset Specification	• Data Transmission: USB2.0, supporting HID protocol
• Sample Rate: 48kHz/16bit	• Effective Range: more than 15m
• Frequency Response: 20Hz-20kHz	Microphone Specification
• THD: THD < 0.5% 1kHz	• Polar Pattern: unidirectional
• Output Power: 15mW/32Ω	• Sensitivity: -36dB±3dBV
• S/N Ratio: 90dB (A-Weighted)	(0dB=1V/Pa at 1kHz)
• Virtual 7.1: DSP hard decode	• Output Impedance: 2.2KΩ at 1kHz
• Operation Time: more than 30h	
• Charging Time: approximate 2.5h	
• Net Weight: approximate 330g	



### HF 580

#### Features

- Large planar drive unit and high performance NdFeB strong magnet features high sensitivity, wide frequency response and large dynamic
- German TUYU high quality ultra-thin planar diaphragm and 0.005mm Al foil, non-glue technology manufacturing, sub-frequency reaches 10Hz
- Large planar diaphragm features even vibration, low distortion, powerful bass, full and clear MF, delicate and penetrating treble
- Open design, natural and penetrating sound quality reproduces every music detail
- Soft and comfortable headband and ear pad for long time use without stress and fatigue
- Ergonomic mechanical design fits for different head shape

#### Application

- HiFi

#### Specification

• Unit: ribbon planar full range unit	• Max. Power: 50mW
• Unit Diameter: 76*97*12.4mm	• Connecting Cable: Ø4mmx3m Y type cable
• Unit Impedance: 32Ω±20%	• Connector: Stereo Ø3.5mm
• Frequency Response: 10-20000Hz	• Net Weight: 550g
• Sensitivity: 93±3dB at: 1mW 1kHz 318 artificial ear	• Color: black
• Rated Power: 20mW	







## ML 850

### Features

- Light weight design for comfortable wearing in a long time
- Bluetooth®4.2 for reliable transmission and strong anti-interference capability
- Supporting aptX® and AAC coding and decoding technology, boosting Bluetooth® audio transmission quality
- Supporting NFC technology, without the trouble of matching and code setting, easy connection
- Supporting connecting with dual equipments simultaneously to conveniently switch playing equipment and cell phone talking
- Low power consumption, more than 25h continuously music playing
- High protein ear pads for comfortable wearing
- Audio cable supplied for operation
- Charging 10 minutes lasts for 1.5h operation

### Application

- Music appreciation via Bluetooth equipment, e.g. Cell phone, PAD, PC, player

### Specification

• Unit Dimension: Ø40mm	• Decoding Technology: aptX®, AAC
• Frequency Response: 20Hz-20kHz	• Microphone Sensitivity: -42±3dB at 1KHz
• Unit Impedance: 32±15%Ω	• Transmission Range: ≥10m
• Sensitivity: 110±3dB at 1KHz	• Playing Time: ≥25H
• Rated Power: 10mW	• Charging Time: approximate 1.5h
• Peak Power: 30mW	• Charger: DC 5V 1A
• Sample Rate: 96KHz/24bit	• Product Dimension: 160*78*193mm(L*W*H)
• THD: THD<0.5% 1KHz	• Net Weight: approximate 250g



## ML 750

### Features

- Adopts NdFeB magnet and CCAW voice coil for rich and exquisite sound details
- Titanium-plated diaphragm features pressure resistance characteristic, it prevents the deformation and sound distortion when air pressure is applied to the headphone
- High density sandalwood cavity design effectively reduce the ear cup resonance and ensure the warm and mellow sound performance
- High protein PU leather ear pads assures long time wearing comfort
- Foldable structure, specially designed for outdoor street listening, portable and convenient for storage
- Ergonomic headband design fits for different head shape
- Apple MFi certificated, completely compatible with iPhone,iPad and iPod

### Specification

• Product Type: Dynamic, stereo	• Max. Input Power: 50mW
• Driver Diameter: Ø40mm	• Rated Power: 25mW
• Impedance: 16Ω±30%	• Audio Connecting Cable: Ø2.5mm x 1.2m
• Frequency Response: 20Hz ~ 20kHz	• Net Weight: 163g
• Sensitivity: 102±3dB at 1kHz	• Color: Black



## HD 6000

### Features

- Clear highs and punchy bass
- Closed design effectively isolates the ambient noise
- Human engineering design for more comfortable wearing
- Swivel earcup design for convenient single-side monitoring and carrying
- Fashionable outlook design, 2 optional colors (black and coffee)

### Specification

• Product Type: Dynamic Stereo Headphone	• Rated Power: 250mW
• Driver Diameter: Ø53mm	• Cable: Ø4mmx1.2mm+4m extension cable
• Impedance: 60Ω±30%	• Connecting Plug: Gold-plated stereo Ø3.5mm+6.3mm
• Frequency Response: 10Hz ~ 25KHz	• Net Weight: 315g
• Sensitivity: 100±3dB at 1kHz	• Color: Black
• Max. Power: 500mW	

## TS-450

### Features

- Stable PET diaphragm perfectly reproduces the music details, sound field and layers
- High protein PU leather ear pads for comfortable wearing
- Closed chamber and refined ear pads for perfect sound isolation
- Ergonomic design fits for different head shape wearing
- High quality OFC cable can effectively reduce the sound quality loss

### Application

- Music appreciation, network Karaoke, audio production, monitoring

### Specification

• Product Type: dynamic stereo headphone	• Rated Power: 20mW
• Driver Diameter: Ø40mm	• Connecting Cable: Ø4mm x 1.6m
• Impedance: 24Ω±15%	• Connector: Ø3.5mm 3-pole gold plated plug
• Frequency Response: 20Hz ~ 20kHz	• + Ø6.3mm stereo gold plated plug
• Sensitivity: 97.5±3dB at 1kHz	• Net Weight: 213±20g
• Peak Power: 50mW	• Color: black



## HD 2000

### Features

- Noble UV painting finish
- Soft, high protein leather ear pads for comfortable wearing
- Swivel earcup design for 25 right or left swivel for different face shape, 180° outward swivel for single hand monitoring
- Adjustable headband allows you to extend or shorten the length by 35mm

### Application

- Audio mixing, recording studio monitoring

### Specification

• Transducer Principle: Dynamic	• Rated Power: 30mW
• Driver Diameter: Ø50mm	• Type: Wired, closed design
• Impedance: 32Ω	• Wearing Style: Headworn
• Frequency Response: 10Hz-25kHz	• Connector: stereo Ø3.5mm + Ø6.3 gold plated
• Sensitivity: 101dB±3dB at 1kHz	• Cable: Ø2.2mm x 2m, Y-type
• Max. Input Power: 100mW	• Net Weight: 200g



## PRO 82

### Features

- Ø40mm new NdFeB driver features high sensitivity, wide response range and large dynamic
- Adopts high polymer coating diaphragm, pure bass, penetrating mids and exquisite highs
- Soft and comfortable headband and ear pads for long time listening without stress
- Ergonomic design fits different head shapes
- Designed with 3 level bass adjustment function, user can adjust the bass according to the music style to exert the best performance

### Application

- Recording monitoring, music appreciation

### Specification

• Transducer Principle: Dynamic	• Max. Power: 20mW
• Driver Diameter: Ø40mm	• Rated Power: 10mW
• Impedance: 32Ω±15%	• Cable: Ø4mmX2.2m
• Frequency Response: 10Hz-20KHz	• Adaptor Plug: Ø3.5mm+6.3mm
• Sensitivity: 96±3dB at 1KHz	• Net Weight: 235±20g (w/o cable)





### TS-450M

#### Features

- Reliable PET diaphragm, reproducing music details, sound field and sound layers
- Closed chamber and refined ear pads for perfect sound isolation
- High sensitivity microphone, prominent vocal communication experience
- Ergonomic design fits for different head shape wearing
- High protein PU leather ear pads for comfortable wearing
- High quality OFC cable can effectively reduce the sound quality loss

#### Application

- Multimedia electrified education, audio service station, TV program host and personal entertainment

#### Specification

• Product Type: dynamic	• Microphone Polar Pattern: uni-directional
• Unit Diameter: Ø40mm	• Microphone Frequency Response: 80Hz-15KHz
• Impedance: 24Ω±15%	• Microphone Sensitivity: -44dB~-47dB
• Frequency Response: 20Hz-20KHz	• Connection: Ø3.5mm 4 conductor gold plated connector
• Rated Power: 20mW	• Splitter Cable: Ø4mm x2m
• Peak Power: 50mW	• Signal Cable: Ø4mm x1.6m
• Sensitivity: 97.5±3dB at 1KHz	• Weight: 228g ±20g (excluding splitter cable)

### DW1

#### Features

- Adopts Bluetooth 4.1, reliable transmission, high anti-interference capability
- Supports Apt-X codec technology to reproduce high quality music
- Built-in noise reduction microphone provides high quality vocal communication
- IPX4 protection level meets sport requirement
- Multiple ergonomic design of ear pads and ear fins suit for different wearing requirement
- Strong magnet adsorption Al housing design prevents from winding and sliding

#### Application

- Bluetooth terminal equipments, e.g. cell phone, tablet PC, PC, player music appreciation

#### Specification

• Type: dynamic	• Power: 5mW~20mW
• Driver Diameter: Ø10mm	• Cable: Ø2.0mm
• Impedance: 32Ω	• Playing Time: approx. 10h
• Frequency Response: 20Hz ~ 20kHz	• Recharging Time: approx.1.5h
• Sensitivity: 94.5±3dB	• Power Adaptor: DC 5V 1A
	• Net Weight: 16.3g



### AW1

#### Features

- Bluetooth®5.0, reliable transmission, high capacity of anti-interference
- Al housing, light weight, compact design
- IPX4 waterproof to meet the sport requirement
- Chinese/English sound prompt for indication and operation
- Supporting to connect with two Bluetooth equipments simultaneously
- Magnetic design for anti-winding and convenient storage

#### Application

- Music appreciation of Bluetooth equipment: cell phone, tablet PC, PC, player

#### Specification

• Unit Type: dynamic	• Charging Time: approx 1.5h
• Unit Diameter: Ø13mm	• Operation Time: approx 10h
• Impedance: 32Ω	• Charging: USB 5V/500mA
• Frequency Range: 20Hz~20KHz	• Bluetooth Version: Bluetooth®5.0
• Sensitivity: 100dB±3dB	• Bluetooth Protocol: A2DP、AVRCP、HFP、HSP
• Rated Power: 3mW	• Transmission Range: 10m
• Max Power: 10mW	• Waterproof Level: IPX4
• Microphone: -42dB±3dB, @1KHz ref 1V/Pa	• Net Weight: 18.3g



### TS-2260

#### Features

- Ø9.2mm high resolution driver unit reproduces rich sound details
- Even and accurate sound, tailored for foldback monitoring
- Ergonomic design
- Provided with Ø6.3mm adapter for various applications
- Provided with portable bag for convenient carrying

#### Application

- Network Karaoke monitoring, personal recording monitoring

#### Specification

• Type: dynamic stereo earphone	• Peak Power: 5mW
• Unit Diameter: Ø9.2mm	• Rated Power: 3mW
• Unit Impedance: 18Ω±15%	• Cable: Ø2.3mm x 2.0m
• Frequency Response: 20Hz ~ 20kHz	• Connector: Ø3.5mm gold plated 3-pole connector
• Sensitivity: 95±3dB SPL (94 dB SPL=1Pa) at 1KHz with input=0.126V(1 mW)	• Net Weight: 13±1.5g





# PORTABLE AMPLIFIER



## DA5

### Features

- The megaphone combining microphone, power amplifier and speaker together, suitable for speech, tour guide, teaching
- Rear earth material speaker, light weighted, high volume
- Class F power amplifier chip, peak output power 5W
- Digital rejecting feedback function effectively rejects feedback
- Ultra-long standby, turning off automatically after no signal input for 15 minutes
- High capacity Lithium battery; 2h charging lasts for 8h operation
- Compact design, easy operation, suitable for reinforcement for a long time

### Application

- Speech, tour guide, promotion, teaching

### Specification

Megaphone Specification	• Operation Time: approximate 8h
• Frequency Response: 200Hz-12KHz	• Operation Voltage Range: 3.4V-4.2V
• Peak Power: 5W	• Dimension: 193.1x60.7X60.7mm
• Speaker Impedance: 4Ω	• Net Weight: approximate 150g
• THD: THD≤5% 1KHz @ 4R, 3W	Cartridge Specification
• S/N Ratio: 77dB (A-Weighted) @1W 4Ω	• Cartridge: back electret
• Battery Type: Li-ion battery	• Polar Pattern: unidirectional
• Battery Specification: 3.7V/1300mAh	• Frequency Response: 100Hz-10KHz
• Charging: DC 5V 1A	• Sensitivity: -47±3dB (0dB=1V/Pa, at1KHz)
• Charging Time: approximate 2h	



## DA10

### Features

- Combining microphone, power amplifier and speaker together, suitable for speech, publicity, karaoke
- Rear earth material speaker, light weight, excellent sound, high volume, peak power 8W
- One button to switch between MC mode and KTV mode, easy operation
- Wireless playing function without the trouble of cable connection, more convenient to play music
- Volume adjusting function to adjust the volume based on the venue
- Built-in DSP chip with the feedback rejecting function to reject feedback effectively
- Ultra-long standby, turning off automatically after no signal input for 15 minutes to save the power consumption
- High capacity Lithium battery for energy saving and environmental protection, approximately 8h operation time
- Compact design, comfortable to hold, suitable for reinforcement and karaoke for a long time

### Application

- Speech, publicity, karaoke, etc.

### Specification

• Frequency Response: 100Hz-15kHz	• Charging: DC 5V/1.5A
• Peak Power: 8W	• Charging Time: apprpx.3h
• Speaker Impedance: 4Ω	• Operation Time: approx.8h(speech)
• THD: THD≤5% 1KHz@4R,4W	• Net Weight: approx. 220g
• S/N Ratio: 66dB (A-Weighted)@1W 4Ω(speech mode)	• Dimension: Φ64mm*235mm(Dia*H)
• Main Chip: DSP	Cartridge Specification
• Bluetooth Version: 5.0	• Cartridge: back electret
• Reverb: Reverb	• Polar Pattern: unidirectional
• Operating Voltage: 3.4V-4.2V	• Frequency Response: 150Hz-16KHz
• Battery Type: Li-ion battery(18650)	• Sensitivity: -47.5±1.5dB(0dB=1V/Pa, at 1KHz)
• Battery Capacity: 3.7V/2000mAh	



### E126

#### Features

- Small size and lightweight MINI amplifier
- Rare earth material speaker features light weight, excellent sound quality and loud output volume
- Digital circuitry technology, 8W output power
- Powered by high capacity rechargeable polymer Li-ion battery
- Built-in MCU intelligent recharging management system for secure battery charging and discharging, fast charging time (4-6hrs) and long play time (more than 15hrs)
- With AUX audio signal input function, as a small speaker
- Compact and elegant design, durable ABS construction
- Choices of waist or shoulder hanging wear style for convenient use

#### Application

- Teaching, tour guiding, outdoor activity, promotion

#### Specification

• Frequency Response: 90Hz-12KHz	• Power Adaptor: DC 5V 600mA
• Rated Output Power: 4W	• Recharging Time: 4-6hrs
• Max. Output Power: 8W	• Playtime: ≥15hrs
• Output Impedance: 4Ω	• Dimension: 92x72x27mm
• Battery Specification: 3.7V/1000mAh lithium-ion battery	• Net Weight: 140g



### E136

#### Features

- The portable amplifier combining microphone and power amplifier together to suit for teaching and tour guide
- Digital amplifying technology, up to 10W peak output power
- Rear earth material speaker, light weight, wonderful sound, high volume level
- Light weight and compact headworn microphone for wearing in a long time
- LINE IN audio input function; The amplifier can be used as a multimedia speaker cabinet
- High capacity Li-ion battery; 4h charging lasts for more than 15h operation
- Shoulder hanging or waist wearing for convenient application

#### Application

- Teaching, tour guide, training, promotion, propaganda

#### Specification

• Frequency Response: 90Hz-12kHz	• Charging: DC 5V/600mA
• Peak Power: 10W	• Charging Time: approximate 4h
• Speaker Impedance: 4Ω	• Operation Time: more than 15h
• Battery Type: Li-ion battery	• Dimension: 92x81x38mm
• Battery Specification: 3.7V/2000mAh	• Net Weight: approximate 175g



### E180M

#### Features

- Digital circuitry technology, 12W output power
- Music play function supports multimedia audio file play of USB flash disk and TF card
- LOW-THD AT Adaptive Technology features low distortion even at high output power
- Built-in high capacity rechargeable lithium-ion battery
- Built-in MCU intelligent recharging management system for secure battery charging and discharging, fast charging time (4-6hrs) and long play time (more than 20hrs)
- With AUX audio signal input function, as a small speaker
- Exquisite and durable design
- Choices of waist or shoulder hanging wear style for convenient use

#### Application

- Teaching, tour guiding, outdoor activity, selling, presentation

#### Specification

• Frequency Response: 80Hz-12kHz	• Recharging Period: 4-6hrs
• Output Power: 12W	• Playtime: ≥20hrs
• Output Impedance: 4Ω	• USB Disk and TF Card: Max 32G
• Operating Voltage: 3.7V	• Dimension: 86 x 98 x 46mm
• Battery Specification: 3.7V/2000mAh lithium-ion battery	• Net Weight: 350g
• Power Adaptor: DA 5V/600-750mA	



### E188

#### Features

- Digital amplifier technology, 10W high power audio output
- Selection of efficient magnetic NdFeB speaker, lighter weight, better sound quality, greater voice
- LOW-THD adaptive technology used in high power output does not produce significant sound distortion
- Built-in high-capacity lithium-ion battery durability, use rechargeable, energy saving
- Built-in MCU intelligent charging management system with battery protection, so that the battery is in a safe and reliable mode; charge quickly just 4-6 hours, use of time up to 20 hours or more
- With AUX audio signal input function can be used as small speaker
- Housing made of ABS engineering materials molding, rugged wear
- Product design fashion, with a variety of shoulder hanging waist hanging wearing styles, easier to use

#### Application

- Applies to teaching, guided tours, visits and other occasions

#### Specification

• Frequency Response: 80Hz-12 kHz	• Charger: DC 5V 600-750mA
• Rated Output power: 5W	• Charging Time: 4-6 hours
• Maximum Output power: 10W	• Use Time: ≥ 20 hrs
• Speaker Impedance: 4Ω	• Specifications: 86 x 98 x 46mm
• Operating Voltage: 3.7V	• Single Weight: 350g
• Battery: 3.7V/2000mAh lithium-ion battery	



### E188M Bluetooth Version

#### Features

- The portable multimedia amplifier combining bluetooth, microphone and player together
- Rear earth material speaker, light weight, better and louder sound
- Wireless music playing function, supporting playing multimedia audio files in USB stick or TF card
- High capacity Li-ion battery for long time operation
- Class D power amplifier module, low power consumption and high efficiency, output audio power up to 8W
- Recharging 4 hours lasts for more than 10 hours of operation
- Ergonomic design, innovative and fashionable contour, comfortable operation

#### Application

- Teaching, tour guide, training, promotion, propaganda, morning exercise

#### Specification

• Frequency Response: 80Hz-12KHz	• Operation Time: ≥10h
• Peak Power: 8W THD+N<10%	• TF Card: max 64G
• Speaker Impedance: 4Ω	• Media Format: MP3, WAV, WMA
• Operation Voltage: DC 3.5-4.2V	• Electret Headworn Microphone Specification: -(49-52)dB
• Battery: 18650 one battery 3.7V/2000mAh	• Dimension: 99x81x38mm
• Charger: DC 5V,600mA	• Net Weight: 220g
• Charging Time: approximate 4h	



### E220

#### Features

- The portable digital amplifier combining microphone, player, power amplifier and speaker cabinet together
- Rear earth material speaker, light weight, wonderful sound, high volume
- Class F power amplifier chip, low power consumption, high efficiency, output peak power up to 8W
- Music playing function plays the multimedia audio files in TF card
- Bluetooth function to connect with Bluetooth equipment to play music, e.g. cell phone, PC, PAD, etc
- High capacity Li-ion battery; 4 hours of recharging lasts for 10 hours of operation
- Multiple wearing choices, shoulder hanging and waist wearing for convenient application
- Ergonomic design, unique and fashionable contour, comfortable operation

#### Application

- Teaching, tour guide, training, promotion, propaganda, morning exercise, entertainment

#### Specification

• Frequency Response: 80Hz-12KHz	• Charging Time: ≈4h
• Peak Power: 8W	• Operation Time: ≥10h
• Speaker Impedance: 4Ω	• Media Playing: TF card, max 64G
• Operation Voltage: DC 3.5-4.2V	• Media Format: MP3, WAV
• Battery Specification: 18650 one battery 3.7V/1500mAh	• Dimension: 91x41x119mm
• Charging Voltage: DC 5V, 600mA	• Net Weight: 195g







### E270

#### Features

- Digital reinforcement technology, 10W high power audio output
- Rare earth material speaker features light weight, excellent sound quality and loud output volume
- Music play function supports multimedia audio file play of USB flash disk and TF card
- LOW-THD AT adaptive technology features low distortion even under high output power
- Built-in high capacity rechargeable lithium-ion battery
- Built-in MCU intelligent recharging management system effectively protect the battery
- Aux audio signal input function, can be used as small speaker cabinet
- Bluetooth function for convenient music playing
- Solid and durable ABS enclosure
- Fashionable contour, shoulder hanging or waist wearing style for convenient use

#### Application

- Teaching, tour guiding, training, promotion, propaganda, morning exercise, entertainment

#### Specification

• Frequency Response: 80Hz-12kHz	• Recharging Time: 4-6 hours
• Rated Output Power: 5W	• Operating Time: ≥20 hours
• Max. Output Power: 10W	• TF Card: max 64G
• Speaker Impedance: 4Ω	• Built-in Bluetooth: A2DP function
• Operating Voltage: 3.7V	• Media Format: MP3, WAV, WMA
• Battery: 1pc 3.7V/2000mAh lithium-ion battery	• Product Dimension: 93.5x100.7x44.6mm
• Charger: DC 5V/600-750mA	• Unit Weight: 250g

### E8M

#### Features

- Special construction for water and dust proof
- MCU function control, touch switch operation
- Electronic volume control technology, the memory function makes the volume same as last time automatically when it is on
- Music play function supports the multi-media audio files play of USB flash disk and TF card
- MCU intelligent power level inspection for actual battery power condition indication
- Built-in high capacity lithium-ion battery
- Class D digital amplification module for low power consumption and high output power up to 18W
- Built-in MCU intelligent recharging management system for secure recharge and discharge and fast recharging time(only 6hrs), playtime is up to 8 to 12 hours
- Multiple wearing choices for convenient use
- Unique and fashionable design

#### Application

- Teaching, tour guide, selling, outdoor PA

#### Specification

• Frequency Response: 80Hz-12kHz	• Power Adapter: DC 10.6V 450mA
• Output Power: 18W	• Recharging Time: 4-6hrs
• Output Impedance: 7.4V	• Playtime: 12hrs
• Operating Voltage: 4V	• U Disk and TF Card: max.16G in MP3 format
• Battery Specification: 2pcs 3.7V/2200mAh lithium-ion battery	• Dimension: 122x99x45mm
	• Net Weight: 512g



### E300

#### Features

- Portable wired amplifier suitable for teaching, tour guide, promotion, etc.
- Wired head-worn microphone of compact and lightweight design for long-time wearing
- Rear earth material speaker, light weight, high-quality sound, high volume
- Wireless playing function to play audio files in a cell phone, PC, PAD, etc.
- Supporting TF card, music playing function to play audio files in MP3 or WAV format
- Recording function to record and save audio files in WAV format
- FM radio function to search and save channels up to 50
- Built-in high capacity Li-ion battery, operation time of more than 10h
- 10W peak power, higher volume, and wide coverage to easily meet the needs of indoor and outdoor sound reinforcement

#### Application

- Suitable for teaching, tour guide, training, promotion, publicity, morning exercise, entertainment, etc

#### Specification

Amplifier Specification	• Charging Time: approx. 2~3h
• Frequency Response: 150Hz-12kHz	• Operation Time: approx. 10h
• Peak Power: 10W	• Net Weight: approx. 200g
• Speaker Impedance: 4Ω	• Dimension: 113*84*44mm (L*W*H)
• THD: THD≤1% 1KHz@4R,4W	Cartridge Specification
• Main Chip: AC6926A4	• Cartridge: back electret cartridge
• Operating Voltage: 3.45V-4.2V	• Polar Pattern: unidirectional
• Battery Capacity: 3.7V/2000mAh	• Frequency Response: 100Hz-12.5KHz
• Charging: DC 5V/800mA	• Sensitivity: -42~-48dB (0dB=1V/Pa, at 1KHz)

### E190M Wireless Version

#### Features

- PO<sup>2</sup> digital power synthetic technique, 10W output power
- Rare earth material speaker features light weight, excellent sound quality and loud output volume
- Music play function, supports the multimedia audio files play of USB disk and TF card
- High brightness digital LED display for controlling the working status intuitively
- Recording function controlled by one button, supports microphone and FM broadcasting content recording
- Built-in FM function to search and save the radio stations automatically
- Built-in high capacity lithium-ion battery and MCU intelligent recharging management system for secure recharge/discharge, 5 hours fast recharging time and long play time up to 12 hours
- Ergonomic design, unique and fashionable contour, comfortable operation

#### Application

- Reinforcement in teaching, tour guide, propaganda, visiting, morning exercise

#### Specification

• Frequency Response: 80Hz-12KHz	• TF Card: max 16G
• Rated Output Power: 6W	• Media Format: MP3, WAV, WMA
• Peak Output Power: 10W	• Wireless Microphone Modulation: FM
• Speaker Impedance: 4Ω	• Microphone Frequency Range: 87MHz-108MHz
• Operation Voltage: 3.7V	• Microphone Charging Time: <4h
• Battery Specification: 3.7V Li-ion battery	• Microphone Operation Time: ≥10h
• Charger Specification: DC 5V 600mA	• Operation Range: 15m (open area)
• Amplifier Operation Time: 8-12h	• Product Dimension: 115*85*37mm
• Charging Time: approximate 5h	• Net Weight: 248g



### E300W Upgraded Version

#### Features

- The portable digital wireless amplifier combining microphone, player, power amplifier, speaker cabinet together
- Rear earth material speaker, light weight, prominent and loud sound
- Class F power amplifier chip, low power consumption, high efficiency, peak output power up to 8W
- UHF low power consumption wireless technology, high anti-interference capability, transmission range more than 50m
- Frequency modulation, at most 40 amplifiers can be used simultaneously without crosstalk and interference
- Music playing function to play the multi-media files on TF card
- Bluetooth function to play the music in cell phone, PC, PAD
- High capacity Li-ion battery; 4 hours of charging lasts for 10 hours operation

#### Application

- Teaching, tour guide, training, promotion, propaganda, morning exercise, entertainment

#### Specification

• Frequency Response: 80Hz-12kHz	• UHF Frequency: 630MHz-890MHz
• Peak Power: 8W	• S/N Ratio: >95Db A+
• Speaker Impedance: 4Ω	• Operation Range: open area 50m
• TF Card: max 64G	• Microphone Operation Voltage: DC 3.5-4.2V
• Media Format: MP3, WAV	• Microphone Battery: 400mAh rechargeable Li-ion battery
• Amplifier Operation Voltage: DC 3.5-4.2V	• Microphone Charging Voltage: 5V/300mA
• Amplifier Battery: 18650 battery 3.7V/2000mAh	• Microphone Charging Time: approximate 4h
• Amplifier Recharging Voltage: DC 5V,600-750mA	• Microphone Operation Time: ≥6h
• Amplifier Recharging Time: approximate 4h	• Amplifier Dimension: 112.5*84*43.6mm
• Amplifier Operation Time: ≥10h	• Amplifier Net Weight: 200g

### E261W

#### Features

Handheld version

- Rare earth material speaker, 25W high power, excellent sound, high volume
- UHF wireless technology, approximately 40m transmission range in open area without interference
- Adjustable frequencies, 50 selected channels available, supporting multiple amplifiers used simultaneously
- Wireless handheld microphone, automatic frequency matching technology, easy operation, strong anti-interference capability
- Wireless playing function without the trouble of cable connection, more convenient to play songs
- High capacity Li-ion battery with approximately 12h operation time
- High-end aluminum alloy box, convenient to store and carry

Head-mounted version

- Portable wireless amplifier suitable for teaching, tour guide, training, promotion, etc.
- UHF wireless technology, approximately 40m transmission range in open area
- Adjustable frequencies, 50 selected channels available, supporting multiple amplifiers used simultaneously
- Wireless headset microphone, compact and lightweight design for long-time wearing
- Rare earth material speaker, 25W high power, excellent sound, high volume
- Wireless playing function without the trouble of cable connection, more convenient to play songs
- High capacity Li-ion battery with approximately 12h operation time

#### Application

- Teaching, tour guide, training, promotion, etc.

#### Specification

• Frequency Response: 80Hz-18KHz	• Frequency Response: 60Hz-16KHz
• Rated Power: 10W	• Sensitivity: -55±3dB(0db=1V/Pa/m at 1kHz)
• Peak Power: 25W	• Gain Adjustment: -18dB-21dB
• Speaker Impedance: 4Ω	• Transmitter Power: ≤10mW
• Frequency Range: 630-698MHz(frequency band)	• Power Supply: 2pcs of AA batteries
• Number of Channels: single channel	• Dimension: Φ36.5mm*245mm(Dia*L)
• Number of Frequencies: 50	• Net Weight: approx. 237g
• Mute Control: pilot frequency/digital ID	• Headset microphone
• Battery Type: Li-ion battery	• Cartridge: back electret cartridge
• Battery Specification: 7.4V/2000mAh	• Polar Pattern: unidirectional
• Charging: DC 5V/1A	• Frequency Response: 60Hz-16KHz
• Charging Time: approx. 4h	• Sensitivity: -51 to -54dB(0db=1V/Pa/m at 1kHz)
• Operation Time: approx. 10h @60% volume	• Battery Type: Li-ion battery
• Dimension: 110*110*56.6mm	• Battery Capacity: 3.7V/400mAh
• Net Weight: approx. 400g	• Charging: DC 5V/100mA
Handheld microphone	• Charging Time: approx. 4h
• Cartridge: dynamic	• Operation Time: approx. 5h
• Polar Pattern: unidirectional	• Net Weight: approx. 39g



Head-mounted Version



Handheld Version

### WDA-500

#### Features

- The portable multifunction speaker cabinet, suitable for outdoor performance, square dance, promotion, training
- Designed with UHF wireless microphone, approximately 40m transmission range in open area without interference
- 5.25-inch high performance cone speaker, high volume output, powerful tone
- Wireless playing function, link with cell phone/PC/PAD to play music
- Playing music in USB stick or TF card, MP3/WAV format
- HF/LF/echo adjustment function and ducking function to meet the requirement of various applications
- Press one button to record, saving WAV format audio files
- FM radio function, automatically searching station, saving more than 50 channels
- Designed with infrared remote control to convenient operation mode, volume adjustment, recording and selecting songs
- High capacity Lithium battery, rechargeable, environment friendly

#### Application

- Outdoor performance, square dance, promotion, training

#### Specification

Speaker cabinet specification:	• Dimension: 285X151 X 338 mm (WXDXH)
• Frequency Response: 60Hz-16KHz	• Net Weight: approximate 2.9kg
• Speaker: 5.25 inch *1 (full range)	Transmitter (wireless microphone)
• Rated Power: 20W	• Cartridge: dynamic
• Peak Power: 40W	• Polar Pattern: unidirectional
• Media Playing: TF card/USB, max 64G	• Frequency Response: 80Hz-10KHz
• Media Format: MP3, WAV	• Sensitivity: -51±3dB (0db=1V/Pa/m at 1kHz)
• Battery: Li-ion battery	• UHF: 650MHz-669.5MHz
• Battery Capacity: 7.4V/4400mAh	• Operation Range: approximate 40m open area
• Power Supply: DC 12V/1A	• Power Supply: 1.5V AA batteries (2)
• Charging Time: approximate 4h	• Dimension: Φ36mm* 245 mm (dia*L)
• Operation Time: approximate 5h	• Net Weight: approximate 255g

### E17

#### Features

- Music play function supports the MP3 audio file play of USB flash disk
- Support song single cycle
- Automatic FM station searching function, multiple channels can be saved
- VHF wireless system
- Dual channels and supplied with both handheld transmitter and body-pack transmitter
- Long operating range up to 30m or more
- Excellent sound quality and wide frequency response
- 35W output power for operating range of 800 square meters
- Adjustable volume, tone and echo function
- AUX-IN and AUX-OUT sockets for convenient connection with other audio equipment
- Built-in auto-recharge control circuit, optional high capacity rechargeable batteries for open air convenient use

#### Application

- Reinforcement in teaching, tour guide, propaganda, visiting, morning exercise

#### Specification

Transmitter	• Frequency Response: 100Hz-12kHz
• Frequency Steadiness: ±0.005%	• Speaker Impedance: 4Ω
• Harmonic Suppression: ≤-40dB	• Power Requirement: rechargeable battery or external 16V/3A power adaptor
• Operating Current (tie-clip mic): 90-110mA	• Handheld Transmitter Operating Range: 30m outdoors
• Operating Current (handheld mic): 25-45mA	• Bodypack Transmitter Operating Range: 25m outdoors
• Transmit Power: ≤10mW	• Recharging Time: approx 5-7 hrs (variable according to the battery capacity)
Receiver	• Playtime: Li-ion battery: 4-5hrs
• Frequency Range: 220-270MHz (more than 40 optional frequencies)	• Operating Temperature: -20°C-60°C
• Receiving Sensitivity: -80dBm (S/N ≥30dB)	• Net Weight: 3.25kg (including the battery 0.9kg)
• Squelch Control: Noise-Lock	• USB Disk Capacity: 16GB (MAX)
• Harmonic Interference Rate: >50dB	• FM Frequency Band: 76-108MHz
• False Image Interference Rate: >50dB	• Dimension: 300*250*140mm
• Total Harmonic Distortion: <1%(1kHz)	• Net Weight/Gross Weight: 2543g
• Output Power: 35W max	
• S/N Ratio: >70dB	





### WDA-900L

#### Features

- Multifunctional, high-power active speaker system with audio output power up to 80W
- UHF dual-channel wireless microphone, more reliable transmission, multiple sets used simultaneously
- Multi-channel independent volume control and independent adjustment of EQ and ECHO for multiple applications
- Music playing function for playing multimedia audio files on U disk and SD memory card
- The function of silencing original music for you to experience karaoke anytime, anywhere
- 3.5mm, RCA audio interfaces and wired microphone interface for easy connection of external audio sources and wired microphone input
- Built-in large-capacity 11V/10000mAh rechargeable lithium battery suitable for indoor and outdoor applications

#### Application

- Suitable for teaching, meeting rooms, gyms, homes, small performances, etc.

#### Specification

• Model: WDA-900L	• Charging Time: 3-5h
• Type of Power Amplifier: Class D	• THD: ≤0.5%
• Rated Power: 80W	• UHF Frequency Range: 640MHz-690MHz
• Woofer: 10" 35mm 120 magnet 4Ω	• Sensitivity of Wireless Microphone: -80dBm
• Tweeter: 25mm 80 magnet 4Ω	• Frequency Response of Wireless Microphone: 100Hz-10KHz
• Frequency Response: 80Hz-15KHz	• Operation Range of Wireless Microphone: 50m (open area)
• Power Supply: AC 100V-240V/50Hz-60Hz	• Battery Operation Time of Wireless Microphone: 10h
• Built-in Battery: 11V/10000mAh	• Operating Temperature: -10°C-45°C
• rechargeable lithium battery	• Dimensions (L*W*H): 300*310*520mm
• Operation Time: 3-6h	• Net Weight: 15Kg



WDA-900L



Remote Controller



Handheld Transmitter

### OP-8

#### Features

- OP-8 portable speaker tailored for street performances, practices, small parties, and rehearsals
- Two 8-inch high-performance cone speakers for high output volume and powerful full frequency sound
- Two XLR mic input jacks and one guitar input jack making it convenient for singers to sing while playing the instrument
- Independent adjustment of EQ, reverb, and delay based on the different acoustic characteristics of microphones and instruments to make the sound more pleasant to hear
- Trapezoidal enclosure design suitable for on-stage sound reinforcement, fixed orifice convenient to mount the speaker on the stand
- Compact and lightweight enclosure, solid and durable body, supplied backpack for outdoor use
- Built-in 5.0 Bluetooth, stable transmission, Hi-Fi sound quality, wirelessly playing function
- Using iPhone/iPad for recording and live broadcast via the cell phone connector
- Built-in 10000mAh Li-ion battery and ultra-low power consumption for the operation time of over 6h

#### Specification

Speaker Specifications	• Operating Temperature: -10°C-45°C
• Speakers: 8 inch*2 (woofer), 2.5 inch*2 (tweeter)	• Dimensions: 500X315X255mm (L*W*H)
• Frequency Response: 100Hz-15kHz	• Weight: approx. 12kg
• Rated Power: 60W	Battery Specifications
• Peak Power: 120W	• Type: Li-ion battery
• Distortion: <1%	• Specification: 11.1V/10000mAh
• AUX Input Sensitivity: 0.775V, frequency range: 20Hz-15kHz	• Charging: AC110~240/50-60Hz
• MIC Input Sensitivity: 45mV, frequency range: 200Hz-15kHz	• Operation Time: approx. 6h
• GUITAR Input Sensitivity: 100mV, frequency range: 200Hz-15kHz	• Charging Time: approx. 4.5h



### OPS-25

#### Features

- The portable speaker cabinet tailored for rehearsal, outdoor performance, teaching
- Two 6.5 high performance cone speaker cabinets, high output volume, powerful full range stereo
- One XLR mic input and one guitar input connector for convenient singer performance
- Independent EQ and reverb and delay adjusting function to suit for microphone or instrument in different applications
- Trapezoidal enclosure design and socket for stage reinforcement or stand mounting
- Compact and portable design and solid structure and bag supplied for convenient outdoor application
- Built-in 5.0 bluetooth module, reliable transmission, HiFi sound, freely wireless music playing
- Use iPhone/iPad for recording or live broadcast via cell phone connector
- Built-in 2500mAh rechargeable Li-ion battery, low power consumption, more than 6h operation

#### Application

- Rehearsal, outdoor performance, teaching

#### Specification

• Frequency Response: 100Hz-20kHz(±3dB)	• GUITAR in Sensitivity: 100mv, frequency range: 200Hz-15KHz
• Peak Power: 10W+10W	• Operation Time: max load music playing time approximate 6h
• Distortion: < 1%	• Charging Time: approximate 2.5h
• AUX in Sensitivity: 0.775V, frequency range: 20Hz-15kHz	• Battery: 11.1V/2500mAh Li-ion battery
• MIC in Sensitivity: 45mv, frequency range: 200Hz-15kHz	• Charger: DC12V 2A



### MT5

#### Features

- Tailored for recording, the effect reaches professional level in studio
- Stereo boost effect benefits your comfort in listening
- Accurate EQ adjustment for flat frequency response
- Silk dome tweeter provides quick transient response, treble details and clear sound
- Polypropylene woofer provides powerful bass dynamic response
- Adjustable acoustic filtering design optimizes monitoring effect
- High frequency filter boosts or decays relative frequency band to adjust sound brightness
- Custom designed internal reinforce ribs, high durability of professional MDF cabinet
- Acoustic foam eliminates noise for better sound field

#### Application

- Monitoring during professional recording, music appreciation

#### Specification

• Power Amplifier: Class AB dual power amp	• Max Peak SPL (one couple): 108dB SPL@1m/1w
• HF: 1 inch silk dome tweeter	• Input Adjustment: HF, LF 3 band adjustment
• LF: 5.25 inch PP cone	• Input Connector: 1*1/4 "TRS,1*XLR,1*RCA
• HF Power: 4Ω 20W/40W (peak)	• EQ: HF filtering sound space
• LF Power: 4Ω 30W/60W (peak)	• Weight: 4.7KG(net)
• Frequency Response (±3dB): 57Hz-20kHz	• Dimension: 180mm*220mm*280mm (WxDxH)
• Crossover: 24dB/octave@2KHz	



# INTEGRATED APPLICATION



## DA-237

### Features

- Full duplex voice technology automatically recognizes and process voice signal
- Special anti-side tone processing chip features automatic squelch control and effectively minimize the howling
- Full automatic communication control technology, wall mount unit(external unit) features integrated microphone and speaker, one cable for convenient connection of the wall mount unit and desktop unit
- Excellent circuitry for high output power up to 3W and clear sound quality
- Independent mute control on desktop unit for both external and internal units
- Audio input function input signal like PC voice warning for customer listening
- Line output function for recording of internal/external voice signal
- Cable protection design on desktop unit
- Compact, elegant design

### Application

- Bank, stock exchange, post office, railway station, cashier desk, ticket office and hospital

### Specification

• Operating Voltage: DC 12V/1A	• Net Weight of Host Unit: 538g
• Output Power: 3W(max)	• Net Weight of Extension Unit: 120g
• Frequency Response: 100Hz-12kHz	• Host Unit Dimensions: 18.2cm x 12.0cm x 5.6cm
	• Extension Unit Dimensions: 6.1cm x 8.5cm x 2.4cm

## DA-239

### Features

- Full automatic communication control, duplex voice intercom communication technology automatically recognize and process the voice signal without any operation during communication
- Stereo output port for both internal and external voice signal output (for bank clerk recording), recording function is not controlled by the power button and function buttons
- Use high performance components, high output power up to 5W, clear and loud sound quality, high voice resolution
- Independent mute control button on host unit for both external and internal units, which can be controlled according to the application
- Elegant appearance design, built-in LED indicator on the buttons for simple use
- Customized anti-side tone processing chip for automatic squelch control and effectively minimize the howling
- Audio signal input function like PC voice prompt for external broadcasting
- Extension unit can be hung on the wall or pasted on the glass by strong adhesive tape
- Dual gooseneck design for different pickup angle

### Application

- Bank, securities company, post office, railway station, payment station, ticket office, hospital

### Specification

• Operating Voltage: DC 12V/1A	• Net Weight of Host Unit: 580g
• Max. Output Power: 10W	• Net Weight of Extension Unit: 220g
• Frequency Response: 100Hz-12kHz	• Host Unit Dimensions: 179.7x129.8x56.5mm
• Speaker Impedance: 4Ω	• Extension Unit Dimensions: 117.8x83.7x38.9mm

## WPM-200

### Features

- UHF frequency band (780-805MHz) and PLL frequency synthesized technology for stable working performance
- 6 selectable channels
- Powered by 2pcs AA batteries, low power consumption design for long playtime up to 30 hours
- Multiple sets of receivers can be operated with a single transmitter within the operating range
- Dynamic expansion circuitry for high S/N ratio
- Complex anti-interference circuit for using 4-6 sets at the same time without mutual interference
- Receiver LCD displays frequency, channel and battery level

### Application

- Recording studio monitoring, on stage monitoring

### Specification

Transmitter:	• Power Supply: DC 3V (2pcs AA batteries)
• Frequency Range: 780-805MHz	• Operating Current: 50mA ± 20mA
• Power Supply: DC 12V/ 300mA	• S/N Ratio: >50dB
• Transmit Power: ≤10dBm	• Sensitivity: S/N 12dB 3uV
• Operating Current: 80mA ±10mA	• Frequency Response: 30Hz-18 KHz
• Operating Range: 50m	• Frequency Range: 780-805MHz
• Dimensions: 150x105x35mm	• Stereo Separation: >50dB
• Weight: 175g	• Dimensions: 110x62x20mm
Receiver:	• Weight: 90g



Wireless Monitor System /







### WTG-500

#### Features

- UHF frequency band with 6 selectable channels
- PLL frequency synthesis technique for stable signal transmission
- Complex interference-free circuit enables 4 channel groups to use simultaneously without mutual interference
- One transmitter can be operated with multiple receivers within the operating range
- Long operating range up to 100m
- Low power consumption design, receiver can work for more than 24hrs by using 2pcs alkaline batteries
- Dynamic expanding circuit for high S/N ratio
- Both transmitter and receiver use LCD-display to indicate frequency, channel, battery level status

#### Application

- Wireless tour guiding, simultaneous translation, audio-visual education

#### Specification

• Carrier Frequency: 780-789MHz	• Transmitter and Receiver Power Supply: 2x1.5 AA Alkaline battery
• Frequency Response: 30Hz-15KHz	• Transmitter Dimension: 114x62x20mm
• Number of Channels: 6	• Receiver Dimension: 114x62x20mm
• Transmit Power: ≤10dBm	• Transmitter Weight: 85g
• Receiving Sensitivity: S/N: 12dB 3uV	• Receiver Weight: 85g
• S/N Ratio: ≥50dB	
• Operating Range: >100m	



### MX1 mini Set

#### Features

- Tailored for webcast/Karaoke, suitable for cell phone/iPad/PC
- Built-in DSP, 9 sound effects switching, easy operation
- Mic HF/LF adjustment for various vocal or mic sound
- Press one button to switch singing mode to chatting mode
- Press one button for autotune, 12 autotunes for accurate and easy singing
- Press one button for ducking function
- Bluetooth function playing music without the trouble of cable connection
- Nine host sound effects to promote funny atmosphere
- Smart noise reducing to shield picking up ambient noise for pure singing
- Li-ion battery, about 7h operation time, charging during operation

#### Application

- Cell phone/iPad/PC: Karaoke, webcast, recording
- Suitable for various entertainment webcast APPs or influencer marketing platform

#### Specification

Sound Card Specification	Microphone Specification
• Data Transmission: USB2.0	• Cartridge: condenser
• Sample Rate: 48KHz/16bit	• Polar Pattern: omni-directional
• Frequency Response: 20Hz-20KHz	• Frequency Response: 30Hz-20KHz
• THD: THD<0.5% 1KHz	• Sensitivity: -36dB±3dBV(0dB=1V/Pa at 1KHz)
• Headset Output Power: 125mW/32Ω	• S/N Ratio: ≥57dB (A-Weighted)
• Headset S/N Ratio: 90dB (A-Weighted)	• Peak SPL: 110dB (THD≤1% at 1KHz)
• Bluetooth Version: V4.2	• Output Impedance: 2.2KΩ±30%(at 1KHz)
• Main Chip: DSP	• Operation Voltage: DC 3.3/5V
• Reverb Mode: Reverb	• Dimension: Φ47X188mm
• Autotune: 12 kinds of Autotunes	• Net Weight: approximate 290g
• EQ: EQ	
• Battery Type: Li-ion battery	Headset Specification
• Battery Capacity: 1000mAh	• Type: dynamic stereo headset
• Charging: USB 5V/700mA	• Unit Dia: Ø9.2mm
• Charging Time: approximate 2.5h	• Unit Impedance: 18Ω±15%
• Charging Time: approximate 7h	• Frequency Response: 20Hz ~ 20KHz
• Audio Connector: headset mic connector Φ3.5mm, mic connector Φ3.5mm, accompaniment connector Φ3.5mm, cell phone connector Φ3.5mm	• Sensitivity: 95±3dB SPL (94 dB SPL=1Pa) at 1KHz with input=0.126V(1 mW)
• Power Supply Connector: Type-C connector	• Peak Power: 5mW
• Dimension: 111*65*12mm(L*W*H);	• Rated Power: 3mW
• Net Weight: approximate 115g	• Cable: Ø2.3mm x 2m
	• Connector: Ø3.5mm three conductor gold plated connector
	• Net Weight: approximate 13g



### UHF-938 Upgraded Version

#### Features

- UHF frequency band, PLL frequency synthesized technology ensures stable and reliable performance
- UHF 432.5-434MHz frequency band, preset two optional channels
- Low-power consumption design, 2pcs alkaline battery can work more than 20 hours
- One transmitter can work with multiple receivers within the operating range
- Dynamic expanding circuit for high S/N ratio
- Complex interference-free circuit enables 2 sets to use simultaneously within the operating range

#### Application

- Tour guide, meeting, education

#### Specification

• Carrier Frequency: 432.5-433.5/433-434MHz	• Transmitter/Receiver Power Supply: 2x1.5 AA Alkaline battery or 1.2V recharging battery
• Frequency Response: 50Hz-16KHz	• Transmitter Dimension: 98x61x25mm
• Number of Channels: 2	• Receiver Dimension: 98x61x25mm
• Transmit Power: ≤10dBm	• Transmitter Weight: 65g
• Receiving Sensitivity: S/N:12dB 3uV	• Receiver Weight: 68g
• S/N: ≥50dB	
• Operating Range: 50m	



### MX1 Set

#### Features

- MX1 Set is the live broadcast/Karaoke set which consists of MX1 sound card, SM-18 condenser microphone, TS-2260 earphone and accessories.
- The sound card features Li-ion battery, 9 sound effects, 9 camboy/camgirl sound effects, compatible with cell phone/iPad/PC, compact design and easy operation.
- The microphone features cartridge of  $\phi 34\text{mm}$  large gold plated diaphragm, high sensitivity, wide frequency response, clear sound.
- The earphone is tailored for monitoring and features  $\phi 9.2\text{mm}$  high resolution driver unit to reproduce rich sound details.
- The whole set is designed with high quality alloy case for convenient outdoor application.

#### Application

- Cell phone/iPad/PC: Karaoke, live broadcast, recording
- App: Suitable for various entertainment live broadcast APPs and influencer marketing platforms

#### Specification

Sound card specification	Battery specification
• Data Transmission: USB2.0	• Battery Type: Li-ion battery
• Sample Rate: 48KHz/16bit	• Charging: USB 5V 700mA
• Frequency Response: 20Hz-20KHz	• Battery Capacity: 1000mAh
• THD: THD<0.5% 1KHz	• Charging Time: approximate 2.5h
• Headset Output Power: 120mW/32 $\Omega$	• Operation Time: approximate 7h
• Headset S/N Ratio: 90dB (A-Weighted)	Connector specification
• Bluetooth Version: V4.2	• Audio Connector: headset mic connector $\phi 3.5\text{mm}$ ,
• Main Chip: DSP	mic connector $\phi 3.5\text{mm}$ ,
• Reverb Mode: Reverb	accompaniment connector $\phi 3.5\text{mm}$ ,
• Autotune: 12 Autotune	cell phone connector $\phi 3.5\text{mm}$
• EQ: EQ	• Power Supply Connector: Type C connector
• Dimension: 111*65*12mm(L*W*H);	
• Net Weight: approximate 115g	

Sound card specification	Earphone Specification
• Data Transmission: USB2.0	• Type: dynamic stereo earphone
• Sample Ratio: 48KHz/16bit	• Unit Diameter: 9.2mm
• Frequency Response: 20Hz-20KHz	• Unit Impedance: 18 $\Omega$ ±15%
• THD: THD<0.5% 1KHz	• Frequency Response: 20Hz-20KHz
• Earphone Output Power: 125mW/32 $\Omega$	• Sensitivity: 95±3dB SPL (94dB SPL=1Pa) at 1KHz with input=0.126V(1mW)
• Earphone S/N Ratio: 90dB (A-Weighted)	• Peak Power: 5mW
• Main Chip: DSP	• Rated Power: 3mW
• Reverb: Reverb	• Cable: dia 2.3mmX2m
• Autotune: 24 Autotunes	• Connector: 3.5mm three conductor gold plated connector
• EQ: EQ	• Net Weight: approximate 13g

Sound card specification	Microphone Specification
• Type: Li-ion battery	• Cartridge: cartridge of 34mm large gold plated diaphragm
• Battery Capacity: 2700mAh	• Polar Pattern: unidirectional
• Charging: USB 5V 1.5A	• Frequency Response: 20Hz-20KHz
• Operation Time: more than 8h (48V off) more than 6h (48V on)	• Sensitivity: -30dB±3dBV(0dB=1V/Pa at 1KHz)
• Audio Connector: cell phone connector (3.5mm), accompaniment connector (3.5mm), mic connector1 (Mini XLR), mic connector2 (3.5mm), earphone connector (3.5mm), earphone mic connector (3.5mm)	• Equivalent Noise Level: ≤20dBA (IEC 581-5)
• Power Connector: Micro USB	• Peak SPL: 135dB (THD≤1% at 1KHz)
• Dimension: 142*98*22mm(L*W*H)	• Output Impedance: 110 $\Omega$ ±30%(at 1kHz)
• Net Weight: approximate 300g	• Operation Voltage: 48V phantom power
	• Dimension: 157mmx55x38mm
	• Net Weight: approximate 372g

### MX1 mini

#### Features

- Tailored for webcast and Karaoke, suitable for smart phone, iPad and PC
- Built-in DSP, 9 kinds of sound effects, quick switching, easy to operate
- Mic HFLF adjustment for various vocal and mic sound
- Press one button to switch singing mode to chatting mode
- Press one button for autotune, 12 autotunes for accurate and easy singing
- Press one button for ducking function
- Nine host sound effects to promote funny atmosphere
- Bluetooth function playing music without the trouble of cable connection
- Smart noise reducing to shield picking up ambient noise for pure singing
- Li-ion battery, about 7h operation time, charging during operation

#### Application

- Cell phone/iPad/PC: Karaoke, webcast, recording
- Suitable for entertainment webcast APP and influencer marketing platforms

#### Specification

Sound card specification	Battery specification
• Data Transmission: USB2.0	• Battery Type: Li-ion battery
• Sample Rate: 48KHz/16bit	• Charging: USB 5V 700mA
• Frequency Response: 20Hz-20KHz(±3dB)	• Battery Capacity: 1000mAh
• THD: THD < 0.5% 1KHz	• Charging Time: approximate 2.5h
• Headset Output Power: 120mW/32 $\Omega$	• Operation Time: approximate 7h
• Headset S/N Ratio: 90dB (A-Weighted)	Connector specification
• Bluetooth Version: V4.2	• Audio Connector: headset mic connector $\phi 3.5\text{mm}$ ,
• Main Chip: DSP	mic connector $\phi 3.5\text{mm}$ ,
• Reverb Mode: Reverb	accompaniment connector $\phi 3.5\text{mm}$ ,
• Autotune: 12 Autotune	cell phone connector $\phi 3.5\text{mm}$
• EQ: EQ	• Power Supply Connector: Type C connector
• Dimension: 111*65*12mm(L*W*H);	
• Net Weight: approximate 115g	



### SC-M1

#### Features

- Tailored for network Karaoke/live broadcast, suitable for smartphone/tablet PC/PC
- Built-in DSP chip with 9 processing effects, one button to switch, easy operation
- 9 effects to be selected by camboy/camgirl for more interesting live broadcast; Three of the nine can be replaced
- One button to turn on monitoring function; Listen to what your are singing
- Intelligent noise reduction to automatically shield the ambient noise picked up by microphone
- One button to turn on background ducking function
- Independent control of microphone volume, monitoring volume or recording volume, flexible operation
- Multiple microphone connectors, compatible with condenser microphone, dynamic microphone, headphone microphone
- Accompaniment connector to link with external audio source equipment for playing accompaniment during live broadcast
- Built-in Li-ion battery for more than 7h operation; charging during operation

#### Application

- Cell phone/tablet PC/PC: Karaoke, live broadcast, recording
- Suitable APP: Sing! Karaoke by smule, Yokee, The Voice: on stage, Red Karaoke, SingPlay

#### Specification

Sound Card Specification:	Battery Specification:
• Data Transmission: USB2.0	• Battery Type: Li-ion battery
• Sample Rate: 48KHz/16bit	• Charging: USB 5V/1.5A
• Frequency Response: 20Hz-20KHz (±3dB)	• Battery Capacity: 2700mAh
• THD: <0.5% 1KHz	• Operation Time: approximate 7h (when 48V turned off) approximate 5h (when 48V turned on)
• Headphone Output Power: 167.7mW/32 $\Omega$	Connector Specification:
• Headphone S/N Ratio: 88dB (A-Weighted)	• Audio Connector: cell phone connector (3.5mm), accompaniment connector (3.5mm)
• Main Chip: DSP	• Microphone Connector: microphone connector 1 (Mini XLR), microphone connector 2 (3.5mm)
• Reverb Mode: Reverb	• Microphone Connector: microphone connector 1 (Mini XLR), microphone connector 2 (3.5mm)
• Autotune: 24 kinds of Autotunes	• Headphone connector (3.5mm), headphone microphone connector(3.5mm)
• Digital EQ: EQ adjustment	• Power Connector: Micro USB interface
• Product Dimension: 142*98*22mm(L*W*H)	
• Net Weight: 288g	





## MX1 PLUS

### Features

- Tailored for Karaoke/webcast, suitable for smart phone/iPad/PC
- Built-in DSP chip, 9 sound effects for convenient operation
- 9 host effects to enrich webcast atmosphere
- Bluetooth playing function to play music freely without the trouble of cable connection
- OTG function to link with cell phone via USB for HD recording and webcast
- Smart noise reducing to shield picking up ambient noise for clear singing
- Press one button for ducking function for host application
- Independent adjustment of mic volume, accompaniment volume and reverb volume, flexible control, practical operation
- Multiple mic connectors, providing 48V power supply, compatible with condenser mic/dynamic mic/headset
- Li-ion battery, charging during operation, approximately 8h operation time

### Application

- Cell phone/iPad/PC: Karaoke, webcast, recording
- Suitable for various entertainment webcast APPs or influencer marketing platforms

### Specification

Sound Card Specification	Battery Specification
• Data Transmission: USB2.0	• Battery Type: Li-ion battery
• Sample Rate: 48KHz/16bit	• Charging: USB 5V 1A
• Frequency Response: 20Hz-20KHz	• Battery Capacity: 2700mAh
• THD: THD<0.5% 1KHz	• Charging Time: approximately 4h
• Headphone Output Power: 167.7mW/32Ω	• Operation Time: approximately 8h (when 48V turned off)
• Headphone S/N Ratio: 92dB (A-Weighted)	• approximately 6h (when 48V turned on)
• Bluetooth Version: V4.2	Connector Specification
• Main Chip: DSP	• Audio Connector: cell phone connector (3.5mm)
• Reverb Mode: Reverb	accompaniment connector (3.5mm)
• Autotune: 24 kinds of Autotunes	microphone connector 1 (Mini XLR)
• EQ Processing: EQ	microphone connector 2 (3.5mm)
• Product Dimension: 142*98*22mm(L*W*H)	Headphone connector (3.5mm)
• Net Weight: approximately 300g	Headset connector(3.5mm)
	• Data Connector: Type-C connector

## MX1 Pro

### Features

- Tailored for entertainment webcast, influencer marketing webcast, Karaoke and recording, and suitable for smartphones, tablets and PC
- Built-in DSP digital chip, independent adjustment of reverb, echo and pitch, easy operation
- Bluetooth playing function without the trouble of cable connection to play music more freely
- Adjustment knobs of treble and bass to meet the voice characteristics of different people
- OTG function for the MX1 Pro sound card to connect with a mobile phone via USB to realize high-definition, lossless recording and webcast
- Colorful and cool lighting control for you to switch the lighting effect through the lighting control button
- 8 sound effects for the host to use, 2 of which can be changed freely, thus making webcast more interesting
- Smart noise reduction to shield the microphone from picking up environmental noise, thus making singing noise-free
- One-button ducking function to automatically lower the background music when talking, suitable for webcast
- Supporting simultaneous webcast using two mobile phones and one computer, multi-platform webcast to attract fans
- Built-in high-capacity lithium battery for ultra-long battery life, and convenient to carry and use outdoors

### Application

- Cell phone/Tablet/PC: Karaoke, webcast, recording
- Suitable for a variety of entertainment webcast APPs and influencer marketing platforms

### Specification

Sound Card Specification	• Charging: DC 5V 1.5A
• Data Transmission: USB2.0	• Battery Capacity: 4400mAh
• Sample Rate: 48KHz/16bit	• Charging Time: approx. 5h
• Frequency Response: 20Hz-20KHz (±3dB)	• Operation Time: approx. 8h (when 48V is turned off)
• THD: THD < 0.5% 1KHz	• approx. 6h (when 48V is turned on)
• Headphone Output Power: 167.7mW/32Ω	• Net Weight: approx. 490g
• Headphone S/N Ratio: 90dB (A-Weighted)	Connector Specification
• Bluetooth Version: V5.0	• Audio Connector: cell phone connector *2 (Φ3.5mm)
• Main Chip: DSP	accompaniment connector (Φ3.5mm)
• Reverb Mode: Reverb	microphone connector 1 (XLR+Φ6.35mm)
• Autotune: 12 kinds of autotunes	microphone connector 2 (Φ3.5mm)
• EQ Processing: EQ	headphone connector *2 (Φ6.35mm)
Battery Specification	• Data Connector: Type-C connector
• Battery Type: Li-ion battery	

## MX630

### Features

- Tailored for network Karaoke, live broadcast and professional recording, compatible with Windows 7/Windows 8/Windows 10 system
- USB2.0 data transmission standard, high speed, ultralow delay
- Supporting 24bit/96KHz high accurate sampling, clear recording and sound playing
- ASIO2.0 driver standard, operating more than two VST for network live broadcast and professional record
- Powerful playing and recording function, supporting linking with microphone for live broadcast; multiple person chatting or live broadcast without intermittent sound
- Supporting MME/WDM/DirectSound to achieve linking with PC for audio signal transmission
- Volume control of microphone/headphone/speaker cabinet output/cell phone recording
- Two combo connectors to connect with microphone and instrument
- One 3.5mm connector to achieve PC and cell phone live broadcast simultaneously
- Two LR channel 6.3mm TRS bal output connectors to connect with active speaker cabinet

### Application

- Suitable for network Karaoke, network live broadcast, professional recording

### Specification

Input Specification:	Output Specification:
• Frequency Response: 20Hz-20kHz (+/-1dB)	• Frequency Response: 20Hz-22kHz(+/-0.1dB)
• Dynamic Range: 85dB, A- weighted	• Dynamic Range: 97dB, A- weighted
• S/N Ratio: -85dB, A- weighted	• S/N Ratio: -97dB, A- weighted
• THD + Noise: <0.0071% (-85dB)	• THD + Noise: <0.0091%(-80 dB)
• Intermodulation: -90dB@1kHz	• Intermodulation: -92dB @ 1kHz
• Input Impedance: inst in; 6.8KΩ, typical	• Frequency Response: 20Hz to 22kHz (+/-1dB)
• Mic Input: 6.8KΩ, typical	• Power: 90mW/100Ω
• Adjustable Gain: >50dB	• Output Impedance: 75Ω
• Total Gain Range: +54dB	• Load Impedance: 32-600Ω
	• Product Dimension: 140*140*33.5mm(L*W*H)
	• Net Weight: 460g



## ST-3

### Features

- Tailored for sound card in outdoor activities or live broadcast
- Clip to fix the tray on stand
- The sound card can be put on the tray directly. Easy installation
- Disassembled structure for convenient carrying
- Reliable metal structure

### Application

- Tailored for sound card in outdoor activities or live broadcast

### Specification

• Clip Inner Diameter: approximate 15mm	• Dimension: 158X120X28mm(L*W*H)
• Load Capacity: approximate 1.5kg	• Net Weight: 210g





## XR-26

### Features

- 26-channel input includes: 12 microphone inputs, 2 stereo inputs, 3 digital stereo inputs (S / PDIF, USB sound card, USB playing)
- 12-circuit bus designs, 8-circuit BUS output channels, 1-circuit stereo main output, 3-circuit stereo digital outputs (S / PDIF + AES / EBU, USB sound card, USB recording)
- All microphone input channels have independent +48V power supply and high-quality voice amplifier, and realize operation control through software
- All input channels have independent low-cut, PEQ, compressor, noise reducer processing
- All output channels have independent high and low cut, PEQ, compressor processing
- The main output channel has independent 31-segment GEQ processing, which can support to send to the electric fader control in mirror mode
- All input and output channels can be freely linked to stereo state
- The names and colors of all channel labels can be customized
- There are two built-in independent professional stereo effectors, with independent sending bus and multiple effect types to select
- There is a built-in U disk player, which supports real-time stereo recording and play function
- There is built-in USB sound card, which supports real-time recording and play function connected with PC
- There are 3 programmable mute group buttons and 1 total effect mute group button
- All input and output channels can support any free copy
- It supports an unlimited number of user scene storage and invoking functions, and all scenes can be imported and exported via U disk
- It has user-defined password protection function, which is effective for both local operation and mobile access
- The 10-inch high-definition 1920 \* 1080 capacitive touch screen supports multi-point touch operation
- It has 9 high-precision 100MM electric faders and 4 page turning management buttons
- The built-in web server based on HTML5 technology has built-in Wi-Fi hotspot, and the cross-platform supports access from various mobile terminals such as IOS, Android, Windows, etc., and supports multi-screen interaction and full-featured operation

### Application

- used for sound amplification in ballrooms, music halls, stage performances, live audio program recording and other application environments

### Specification

• Input Channel: 26 channel input:12 channel microphone; 4 mono channel;2 stereo; 3 digital stereo	• Operating Condition: Temperature range: -20 ~55 °C Effector: 2 independent effector channels
• Output Channel: 12 channel output; Main output L/R; 6 BUS outputs;Monitor output /L/K; Headphone output L/R	• Effect Types Include: Hall, Room, Plate, Church, Delay, Chorus, Flanger
• Recording Interface: Dual-track USB sound card/Double-track U disk recording storage	• Threshold: Threshold: -80~ 0dB Range: -80~ 0dB
• Input Gain: Microphone gain -20~+70; Line gain -20~+20	Attack: 1 ms~ 120 ms
• Input and Output Impedance: Microphone / line input: 5kΩ / Output: 200Ω	Release: 10ms ~ 4000 ms
• Frequency Response: 20Hz~20kHz: +/-0.5	Hold: 1 ms~ 2000 ms
• Total Harmonic Distortion Plus Noise THD+N: -20dBFS @ 1kHz: <0. 01%	• Compressor: Threshold: -60dB~+0dB Ratio: 1:1~ 1000:1
• Noise: Noise level(20/20k band-pass): -85dBu	Attack: 1 ms~ 120 ms
Noise Level(A): -88 dBu	Release: 10 ms ~ 4000 ms
• Dynamic Range: -107dB	Hold: 1 ms~ 2000 ms
• Crosstalk: Isolation between channels(+4dBu 1k): -96dB	Makeup Gain: -20dB~+20dB
• Phase Difference: Phase difference between channels(+4dBu 1k): <0.1°	Controllable soft turning point
• Equivalent Noise: -122dBu	• Channel Equalizer: 4-band parametric equalizer: Frequency per frequency Band: 20HZ~20kHz
• Delay: < 3ms	Q: 0.05~ 15; Gain: -20dB~+20dB;
• Sampling Frequency: 48K	Types, optional: PEQ, HPF, LPF, HSF, LSF
• USB: Maximum current: 500mA	• Channel Filte: HP'F: 20Hz~20kHz; LPH: 20Hz~20kHz
• Phantom Power: +48V, Software control management	• Parameter Equalizer: 31 GEQ, 20Hz~20kHz> ±15dB
• Power: Power consumption (typical value): <65W	• Mute Group: Three programmable mute group, 1 total effect mute group
Voltage Range:100~240VAC	
Auto-induction AC Frequency: 47~63Hz	



## XR-612FX

### Features

- 6 XLR and TRS balanced input socket
- Stereo TRS balanced input socket
- Gain control + 48V phantom power
- Mono channels with 3-band EQ; Stereo with 4-band EQ
- Two auxiliary sends: auxiliary sends AUX1 with PRE/POST switch for change between pre-fade or post-fade.auxiliary sends AUX2 is fixed on pre-fader and monitor DSP effect
- Mute, PFL and signal present LED on all input channels
- Channel with SUB1-2 and MAIN L-R allocation switch
- CD/Tape IN sends to the main output or monitoring output
- Monitoring provides pre-attenuation and post-attenuation, two different control signal routings
- Balanced XLR and TRS output
- Built-in 24 bit digital effects processor, 100 pre-setting, effect mute function and peak LED

### Application

- Home entertainment, on-stage performance, auditoriums, outdoor activities

### Specification

Inputs Channel	• DSP Resolution: 24 Bit Vocal, Small Room, Large Hall, Echo
• Microphone Input: Electronically Balanced	• Type of Effects: Echo + Verb, Flanger + Verb, Plate, Chorus GTR, Rotary GTR, Tremolo GTR
XLR Balanced	• Presets: 100
• Frequency Response: 20Hz to 50KHz±3dB	• Controls: 100 Position PRESET Selector (10 prests,10 variations)*mute" switch with indicator light
• Distortion(THD & N): <0.005% to +4dBu, 1KHz	Main Mix Section
• Gain Range: 0dBa50dB MIC	• Bus Noise: fader 0dB, mute -82dB(ref.+4dB) all input channels, unity gain -70dB
• SNR (Signal to Noise Ratio): <-100dB	• Max. Output: +22dBu unbalanced, 1/4" jacks
• Phantom Power: +48V with switch	• Aux Sends Max.Outputs: +22dBu
• Line Input: Electronically Balanced 1/4" TRS	• Aux Return Gain Range: -∞to+15dB
• Frequency Response: 20Hz to 50KHz±3dB	USB Input
• Distortion: < 0.005% to +4dBu, 1KHz	• Built-in USB full speed(12Mbps)
• Sensitivity: +15dBu±3dB	• Supports the USB mass storage class
Impedances	FAT Analysis
• Microphone Input: 1.4k Ohm	• Support FAT16 and FAT32/Support VFAT(long file name)
• All other Inputs: 10k Ohm	MP3 Decode
• Tape Out: 1k ohm	• Supports Sample Rates 8KHz, 16KHz, 32KHz, 11.025KHz, 22.05KHz, 44.1KHz, 12KHz, 24KHz and 48KHz
• All Other Output: 120 Ohm	• Supports bit rate 8 to 320 and VBR(variable bit rate) except free format
Equalization	Electrical Spencifications
Mono Channel	• Frequency Response: 20Hz-20KHz
• High: ±15dB @12KHz	• Signal/Noise Ratio: >90dB
• Mid: ±15dB Frequency Range 100Hz to 8KHz	• 1KHz Distortion: <0.04%
• Low: ±15dB @80KHz	Power Supply
Stereo Channel	• Main Voltage: 100-240V~50/60Hz
• High: ±15dB @12KHz	• Fuse: 1.6ALAC250V
• High Mid: ±15dB @3KHz	
• Low Mid: ±15dB @500Hz	
• Low: ±15dB @80KHz	
DSP Section	
• A/D & D/A Converters: 24 Bit	





### XR-210FX

#### Features

- Advanced circuit design and high quality electronic components features low noise, low distortion, wide dynamic range and strong anti-interference ability
- 3-band EQ for high medium, and low frequency adjustment effectively improve the tone
- With signal overload (clip) indication, 80Hz low cut function
- Built-in +50dB low noise microphone preamplifier and 48V phantom power supply suits different kinds of microphone
- Stereo input channel with sensitivity adjustable (+4db, -10db) switch can match with different kinds of input sound source
- 60mm sliding potentiometer controls the main output volume efficiently and expediently
- With RCA CD input, recording output terminal, MAIN output and CTRL ROOM, PHONES monitoring output
- Built-in DSP effect with 100 kinds of effect choices meet various occasions and user requirements
- Built-in German USB chip sound card for free driver and convenient connection with computer (only need one USB cable)

#### Application

- Internet Karaoke, Computer Recording, Audio Editing, Conference Room

#### Specification

• Microphone Inputs (XLR balanced input)	HIGH: 12KHz/±15dB
Impedance: 1.5KΩ balanced	• Main output
Gain Range: +10dB to +60dB	Impedance: 120Ω unbalanced
Max. input Level: +12dBu @ +10dB gain	Max. output level: +22dBu
S/N Ratio: 110dB (A weighted)	Frequency response: 20Hz to 20KHz (±1dB)
Total Harmonic Distortion: ≤0.005%	• Crosstalk Attenuation
• Stereo Inputs	Main output sliding potentiometer off: 85dB
Impedance: 10kΩ unbalanced	• RCA Output Terminal
Gain Range: -10dB to +15dB	Impedance: 1kΩ unbalanced
Max. input Level: +20dBu @ +10dB gain	• DSP Effect
S/N Ratio: 110dB (A weighted)	DSP Resolution Ratio: 24bit
Total Harmonic Distortion: ≤0.005%	A/D and D/A Conversion: 24bit sample rate 192KHz
• EQ Stereo Channels	• USB Sound Card Sample Rate
LOW: 80Hz/±15dB	24 bit 48KHz sampling
MID: 2.5KHz/±15dB	• Compatible System: Window 2000/XP, Win 7

### XR-1016FX

#### Features

- A mixer console with 10 mono channel, 6 stereo channel, 4 groups and 9-band EQ
- 10 XLR and TRS balanced input port
- 6 stereo TRS balanced input port
- Super low noise preamplifier and +48V phantom power
- Designed with SUB1-2, SUB3-4 and MAIN L-R signal assignment switch for each channel
- 4 auxiliary transmission for each channel: AUX1 and AUX2 auxiliary transmission with PRE/POST switch for monitoring the using effect and sound processor input, whether controlled by fader or not is to switch the PRE/POST switch; additional auxiliary transmission DFX1 and DFX2 for monitoring the external or internal DSP effect when it is set at the post of the fader
- Mono channel features 3-band EQ and adjustable mid frequency, stereo channel features 4-band EQ
- INSERT and XLR port for each mono channel for convenient and flexible connection with various audio equipment
- CD/Tape IN can be distributed to the main output and monitor/headphone output
- USB port provides 5V/0.5A

#### Application

- Home entertainment, commercial performance, outdoor activities

#### Specification

• 10 mono input channel with gold-plated XLR and balanced 6.3mm socket, with high-pass filter, the cut-off point is 75Hz, -18dB/Oct	• Stereo input channel with 4-band fixed EQ
• With gain and +48V phantom power for mono input channel	• 4 AUX Output: AUX1 with PRE/POST fader for foldback; AUX4 at fader Post for sending the effect
• 6 stereo input channel with 6.3mm socket and level selection switch	• Each input channel with MUTE/SUB1-2/SUB3-4, SOLO switch and signal LED/overload LED
• Effector with 100 kinds of effect	• TAPE IN/TAPE OUT with shut-off switch
• Output signal with 9-band graphic EQ	• Matrix(MAIN MIX/SUB1-2/3-4) and decentralized output level for headphone/control room
• Mono input channel with 3-band EQ and adjustable mid frequency	• Balanced XLR and 6.3mm output socket
	• Product Dimension: 440*480*108mm
	• Net Weight: 5.5kgs

### TS-AD1

#### Features

- UHF wide frequency band(450~950MHz)design enable 4 sets of receiver to share the antenna
- Built-in power distribution system supplies power for 4 receivers
- Built-in power supply circuit in the antenna input interface supplies power for the antenna amplifier directly
- Independent protection circuit for each power port assures the normal operation of the other units when one of the receiver has a breakdown
- The main power switch controls the power supply of all devices

#### Application

- Engineering application, outdoor performance

#### Specification

• Frequency Range: 450~950MHz	• Output Port Separation: > 15 dB
• Antenna Interface: TNC/50Ω	• Antenna Input Port Power: DC 8V/100mA
• Max. Output Power: -3 dBm	• Power Input Voltage: 12V/3000mA
• Total Gain: > 3 dB	



### TS-AD2

#### Features

- UHF wide frequency band(450~950MHz)design, built-in signal amplifier
- Built-in attenuation switch, selectable output signal strength
- High front-to-rear ratio antenna effectively suppress the rear interference signal
- Common RF transmission cable for power supply, it saves the cable material and is convenient for use
- Waterproof characteristic for outdoor use

#### Application

- Engineering application, outdoor performance

#### Specification

• Frequency Range: 450~950MHz	• Max. Output Power: +0 dBm
• Antenna Gain: > 4 dBi	• SWR: <2.0
• Amplifier Gain: 10/6 dB	• Antenna Power Supply: DC 8V/50mA
• Antenna Interface: TNC/50Ω	



### TS-AD4

#### Features

- TS-AD2 extension cable can not meet the requirement of more than 3m application. To extend the operation range, TS-AD4 antenna meets the requirement of 3~20m extension cable.
- TS-AD4 suits for 450~950MHz antenna signal. It is used with TS-AD2 together to effectively increase the receiving range and transmission stability.
- RF transmission cable is used as power supply, and provides about 14dB gain
- Al housing for better heat dissipation and reliable performance
- Waterproof function for outdoor applications

#### Application

- used with TS-AD2

#### Specification

• Suitable Frequency Band: 450~950 MHz	• System Impedance: 50 Ω
• Gain: 0~14dB±1dB (used with TS-AD2)	• RF transmission cable is also used as power supply
• Noise: < 2.5dB (frequency band center)	• Connector: TNC×2





## HA-101

### Features

- Professional audio operational amplifier, high slew rate, low distortion to reproduce original sound
- High power output, sufficient headroom to easily drive headsets of various impedances
- Bass gain switch provides more warm and powerful bass
- Optimized analogue circuit design effectively decreases residual noise
- Hi-Fi chip for audio compensation, and greatly boosting audio density and sound field and dynamic range
- High capacity Li-ion battery lasts for more than 12h operation continuously
- Al housing, anodic oxidation processing, exquisite dull polish, durable
- Compact design, velvet fabric bag for convenient carrying

### Application

- Music appreciation

### Specification

Headset Amplifier Specification	Battery Specification
• Frequency Response: 20Hz-50KHz (-1dB)	• Battery Type: Li-ion battery
• Dynamic Range: 110dB (THD≤1% 1KHz RL: 16Ω)	• Recharging: USB 5V (1-1.5A)
• Max Output Power: 1W (THD≤1% 1KHz RL: 16Ω)	• Battery Capacity: 11.1V 880mAh
• Suitable Headset Impedance: 16-300Ω	• Recharging Time: approx 4h(1.5A adapter)
• Residual Noise: -97dBV (A weighted)	• Operation Time: more than 12h(at normal volume)
• Bass Gain: 80Hz+5dB	• Standby Time: more than 15h
• THD: <0.005% (at 1KHz OUT=88mW RL16Ω)	Connector Specification
• Input Impedance: > 5KΩ	• Audio Connector: AUX 3.5mm stereo input
• Dimension: 160×66×16.5mm (L*W*H)	• Headset Connector: 3.5mm stereo output
• Net Weight: 180g	• Power Supply Connector: Micro USB interface

# ACCESSORY







**SH-100**

SH-100 is an elastic suspension shock mount for side-address microphones especially those of large size; it features excellent stand noise reduction



**SH-600**

SH-600 recording microphone shock mount



**SH-700**

SH-700 broadcast recording microphone shock mount



**ST-6**

- Bracket compact design, folding away, space saving, easy to carry collection. Weight: 1.6Kg
- The overall use of all-metal pipe materials, double cantilever design, the microphone audio line can be worn from the boom to avoid clutter your desktop, durable, rocker expand up to 1m
- Arm between two strong spring were used for positioning the boom bracket can change the direction of 270 degrees, Promote freedom, suspension stability, suspension and weighs about 1Kg
- Strong desktop locking device, can be firmly fixed to the edge of the table bracket
- Bracket suitable for applications in radio, television, recording studio, personal recordings and other occasions, the installation side It fast, easy to use, safe and reliable



**MH-9**

Microphone holder for 2pcs, use aluminum alloy metal material with anode oxidation surface finish for professional outlook. Supplied with standard fixing connecting part for different types of microphone.



**MH-5**

Made of highly durable, elastic nylon material Guarantees secure fixation, Ø33-40mm, suitable for all wireless handheld mic and some wired handheld mic



**CH-58**

CH-58 is a clamp for holding most cylindrical bodied microphones including Takstar instrument condenser microphones



**MH-7**

Rubber microphone mount, Ø21-26mm and adjustable fixing range



**MH-8**

Adjustable drum microphone mount



**ST-201**

- The foldable stand tailored for cell phone live broadcast and Karaoke
- Foldable design for saving space and convenient carrying
- Dual goosenecks 360° freely adjust cell phone direction
- Dual cell phone clips for live broadcast of two cell phones
- Designed with a microphone clip for various microphones
- The base locks securely on table for reliable operation
- Metal material, durable structure



**ST-101**

ST-101 is a metal folding tripod for microphones



**ST-105**

ST-105 is a metal folding tripod for microphones

**ST-1000**

ST-1000 is a heavy-duty metal tripod designed for stage and recording applications



**PS-1**

PS-1 is a windscreen used for reducing wind noise during close vocal reproduction



**C6-2**

- Dimensions: Ø6mm x 6m
- Exterior conductor: Ø0.12mm x 64 copper wire
- Inner conductor: Ø0.12mm x 28 x 2 copper wire
- Connector: XLR—XLR



**C3-2**

- Dimensions: Ø6mm x 3m
- Exterior conductor: Ø0.12mm x 62 copper wire
- Inner conductor: Ø0.12mm x 29 x 2 copper wire
- Connector: XLR- XLR



**C10-1**

- Dimensions: Ø6mm x 10m
- Exterior conductor: Ø0.12mm x 64 copper wire
- Inner conductor: Ø0.12mm x 28 x 2 copper wire
- Connector: Ø6.35mm spring gold-plated plug—XLR-F



**TS-C3**

- Dimensions: Ø5mm x 3m
- Exterior conductor: Ø0.12mm x 44 copper wire
- Inner conductor: Ø0.12mm x 12 x 2 copper wire
- Connector: Ø3.5mm plug- XLR-F



**C2-1**

- Y type cable, 2.2mm diameter
- Cable Length: 135mm (includes all connectors)
- Connector: 4-pole gold-plated 3.5mm male plug-two 3.5mm stereo female plug (MIC/Headphone)



**PM-5**

**Features**

- Stable voltage double rectifying circuit for eliminating interference of AC signal effectively
- Two balanced power inputs/outputs assure stable voltage and effective common mode interference rejection
- Noiseless On/Off switch
- External power adaptor avoids electromagnetic interference
- Built-in lowpass filter eliminates unwanted noise from external audio equipment

**Application**

- 48V phantom power supply for a single condenser microphone





