

# TAKSTAR®

## WPM-100 Upgraded Version Wireless Monitor System

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# TAKSTAR®

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User Manual

## Product Content

Receiver	1 pc
Transmitter	1 pc
Earphone 2251	1 pc
AA acid batteries	2 pcs
3.5 to 6.3 plug	1 pc
Audio connection cable	1 pc
User manual	1 pc
12V/300mA adapter	1 pc

## Declaration

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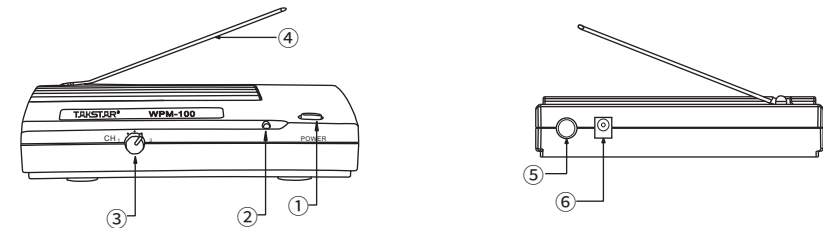
Welcome to use WPM-100 wireless monitor system. Please read the user manual carefully for better operation and keep it for reference in future.

## Features

- ※ UHF frequency band and PLL technology for reliable performance
- ※ UHF780-789MHz frequency band, 3 preset channels for selection
- ※ Low power consumption design; Two acid batteries last for more than 30 hours operation
- ※ One transmitter matches with multiple receivers in the operating range
- ※ Dynamic boosting circuit, high S/N ratio
- ※ Integrated anti-interference circuit without interference when 3 sets of systems are used simultaneously

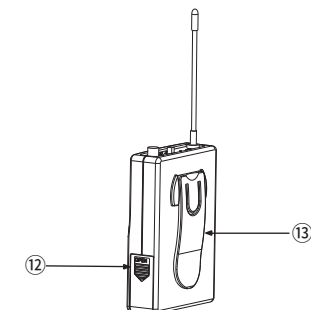
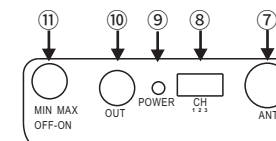
## Function Operation

### Transmitter



- ① Power Switch: press it to turn on/off the unit.
- ② Transmitter power LED.
- ③ Channel adjusting knob: this knob is used to select one of the three channels.
- ④ Antenna
- ⑤ Audio input connector
- ⑥ Power input connector

### Receiver



- ⑦ Antenna;
- ⑧ Channel adjustment: turn the switch and CH123 switches to the needed channel.
- ⑨ Receiver power LED: when the receiver is turned on, it lights up red. This means enough battery power. When the LED lights up weakly, this means the low battery power. It needs to replace the battery.
- ⑩ Earphone connector;
- ⑪ Power switch/volume adjustment;
- ⑫ Battery compartment: it loads two AA batteries.
- ⑬ Belt clip;

## Operation Instruction

1. Connect the supplied transformer with the DC power input connector of the transmitter.
2. Use the audio cable to connect with the audio input connector of the transmitter, and then with the audio output equipment.
3. Turn on the transmitter power switch. if the power LED lights up, this means it works normally.
4. Open the battery compartment cover on the receiver, and load two AA batteries in.
5. Insert the earphone plug into the earphone connector of the receiver.
6. Turn on the receiver power switch. If the power LED lights up, this means it works normally. (At this time, if the power LED ⑨ lights up red, this means it is in the operating status. If the power LED lights up weakly, this means the low battery voltage.)
7. Adjust the channel switch to match the transmitter frequency with the receiver frequency.
8. Adjust the receiver volume knob to achieve wanted sound quality.

## Caution

1. Correctly load the batteries to avoid damage.
2. The system has been adjusted precisely. Do not disassemble it to avoid problem.
3. Do not put system in dust, moisture, high temperature or strong magnetic field environment to avoid affecting the system lifespan.
4. Use standard batteries only. The batteries of low quality or low power lead to chemical material leakage and internal parts damaged.
5. If the system will not be used for a long time, take the batteries out.

## Application

- Recording monitoring, stage monitoring;

## Trouble Shooting

Problem	Reason	Trouble Shooting
No sound	The transmitter is not turned on.	Turn on the transmitter.
	The receiver is not turned on.	Turn on the receiver.
	Low power voltage.	Replace the battery.
	The receiver volume is not increased.	Increase the receiver volume.
	The transmitter and audio source are not correctly connected.	Reconnect with the audio source.
	The receiver is too far from the transmitter, and the receiver automatically turns on the mute function.	Operate in the operating range instructed in the user manual.
	The frequencies are not matched.	Set the channel adjusting switch to keep the same frequency of transmitter and receiver.
Turn on the power switch and the LED does not light up	The power supply is not connected well.	Check if the transformer plug is connected with the DC input connector of the transmitter.
	The batteries are loaded reversely.	Load the batteries correctly.
The receiver receives the sound from other system.	The transmitter frequency value is close to that of other system.	Set the frequency of transmitter and receiver to another frequency.

## Specification

- Carrier Frequency: 780-789MHz
- Frequency Response: 30Hz-16KHz
- Channel Quantity: 3
- Transmitting Power: ≤10dBm
- Receiving Sensitivity: S/N:12dB 3uV
- S/N Ratio: ≥50dB
- Operating Range: >50米
- Stereo Crosstalk: >45dB
- Transmitter Power Supply: DC 12V/300mA
- Receiver Power Supply: two 1.5V AA acid batteries or 1.2V rechargeable batteries