

TAKSTAR



DA-235M
Talk-back System

■ Preface

Dear Customer,

Thank you for purchasing Takstar DA-235M Talk-back System. In order to better understand and use the product, please read this manual carefully.

If you have any questions or suggestions, please contact our local dealer.

■ Features

- Hands-free two-way intercom system that automatically recognizes and processes voice signals.
- Special anti-sidetone processing chip to effectively minimize feedback.
- Fully automatic communication control, external unit features integrated mic and speaker, and one-cable easy connection with host unit.
- Excellent circuitry for high output power up to 3W and clear sound quality.
- Discrete volume controls on host unit for both external and internal units.
- AUX input for audio playback towards customers.
- 3.5mm recording output of internal & external voice signals, e.g., for bank teller recording.
- Cable protection design on host unit for extended use without damage.
- Extension unit can be hung on the wall or taped on glass with the supplied strong adhesive.
- Compact and streamlined design for improving work efficiency.

■ Applications

Banks, securities, post offices, railway stations, cash registers, ticket offices, hospitals.

■ Package Contents

Host Unit.....	1 pc
Extension Unit.....	1 pc
DC 12V/1A Power Adapter.....	1 pc
User Manual.....	1 pc
Double-sided Tape.....	2 pcs

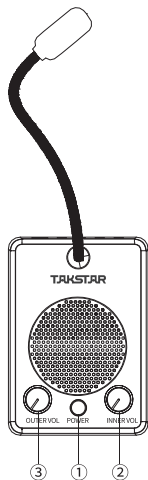
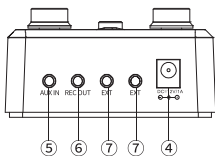
■ Specifications

- Working Voltage: DC 12V/1A
- Output Power: 3W (max)
- Extension Unit Sensitivity: $-38 \pm 3\text{dB}$ (0dB=1V/Pa at 1KHz)
- Host Unit Sensitivity: $-44\text{dB} \pm 3\text{dB}$ (0dB=1V/Pa at 1KHz)
- Frequency Response: 100Hz-12KHz

Note: The above data are measured by Takstar laboratory.

■ Function Descriptions

- ① Power button: Press the power button to turn on/off the window intercom system. The LED indicator lights up when the system is powered on.
- ② Volume knob for host unit speaker (internal): Rotate clockwise to gradually increase the volume, counterclockwise to decrease, and turn to the minimum to turn off the speaker.
- ③ Volume knob for extension unit speaker (external): Rotate clockwise to gradually increase the volume, counterclockwise to decrease, and turn to the minimum to turn off the speaker.
- ④ Power socket: accepts DC 12V/1A power supply.
- ⑤ AUX IN: accepts external audio source such as a computer via a 3.5mm cable.
- ⑥ REC OUT: outputs audio signals of both internal and external units, which can be used for recording of bank teller.
- ⑦ EXT: accepts extension unit.



■ Installation & Operation

1. Place the host unit on desk for staff use and stick the extension unit on glass screen for customer use. Insert the extension unit cable into the EXT port on host unit. The units should be kept at a certain distance for optimal performance.
2. Plug the DC=12V power adapter into the mains and its other end into the DC socket of the host unit.
3. Turn on the power switch after all cables are connected properly.
4. Gradually turn the volume knobs for host and extension units to increase the volume to appropriate levels.
5. Sound should come out from the external extension unit when speaking towards the microphone of the internal host unit and vice versa.

■ Troubleshooting

I. No sound

1. Check if the power adapter is connected properly, unplug and retry.
2. Turn the volume knob clockwise to increase the volume if it is set too low.

II. Howling/feedback

1. Poor acoustic insulation or loud ambient noise. Try increase the distance between the units or turn down the volume.

III. Staccato


1. Talk too far away from the microphone. The optimal talk distance is 10~20cm.
2. When one side is talking, the other side is rejected and can only speak after the other stops.

■ Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction or hearing impairment.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local after-sales service outlet for repair.
3. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
4. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
5. Abide by relative safety rules during operation. Do not use it if prohibited by laws and regulations to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local dealer.
7. Please use the supplied power adapter for charging the product if applicable. To use other power adapter, make sure that it is certified by China Compulsory Certification and in line with the product specifications.

■ Label Meanings

 This device is compliant with the limits of the European Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility according to RL2004/108/EG and European Low Voltage Directive RL2006/95/EG.

FC Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the complying party may cause the user to lose permission to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>



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