

User Manual



Full Digital Microphone TCI-8502C TCI-8502D

Safely instruction



WARNING

To ensure the reliability of the equipment and the safety of personnel, please observe the following when installing, using and maintaining:

- If any of the following conditions are found, please immediately turn off the power, plug out and quickly contact your nearest dealer. Do not continue using this unit, which may cause a fire or electric shock.
 - If you find smoke or have a strange taste from the machine.
 - If water or metal falls into the machine.
 - If the unit is dropped or the case is damaged.
 - If the wire is damaged (wire core exposure, broken wire, etc.).
- If the machine contains high-pressure parts, in order to avoid the fire or electric shock, absolutely don't open the case, if any questions please inform your nearest dealer.
- Do not place cups, bowls, vases or metal and other water-filled substances on the unit. Serious spilled liquid may cause a fire or electric shock.
- Never expose the unit to rain and any moisture or water, which may cause electric shock or fire.
- Do not place metal objects or flammable materials from the vents on the machine cover, nor place coins, which may cause fire or electric shock.
- Do not place heavy objects on the unit to avoid personal injury or property damage when the unit is slipping.
- Make sure that the volume is turned on at the beginning of the boot, and the high volume of the boot may cause hearing problems.
- Make sure that the volume is turned on at the beginning of the boot, and the high volume of the boot may cause hearing problems.
- For long-term accumulation of dust to be cleaned, please inform your dealer to regularly clean the machine, so as to avoid damage to the machine or cause a fire.
- The battery must be replaced with the same type of product and the correct installation should be made in order to avoid electrical damage and explosion hazard.
- The product is a Class III device. The device must be well connected to ground. The power plug must be connected to a power outlet with a grounding device to ensure that the equipment is fully grounded.

- This product uses a power plug or appliance input socket as a disconnecting device with the power supply, and must be disconnected if necessary for safety reasons.



- This equipment is only suitable for safe use at altitudes under 2000 meters.

Precautions

1. The installation environment

When installing the unit, in order to ensure the normal cooling of the host, should avoid the poor ventilation of the place or high temperature environment, to avoid direct sunlight.

Recommend to install cabinet or other well-ventilated place indoor. If you use the machine in the outdoors, please pay attention to waterproof, moisture, lightning protection measures.

Avoid installing in a violent place of vibration; do not place other equipment on the machine.

2. To avoid electric shock and fire

Do not touch the hands and the source with wet hands

Do not spill liquid on the machine, so as to avoid short-circuit or fire inside the machine.

Do not place other equipment directly on the top of the unit.

Non-professional service personnel Do not disassemble the unit yourself to avoid damage and electric shock.

3. Transport and handling

The packaging of the machine is designed and tested to ensure that the host will not be accidentally damaged during transport. It is best to use the original packaging when handling the unit.

Do not move the host device between the place or cold or over hot to avoid condensation inside the machine, affecting equipment life.

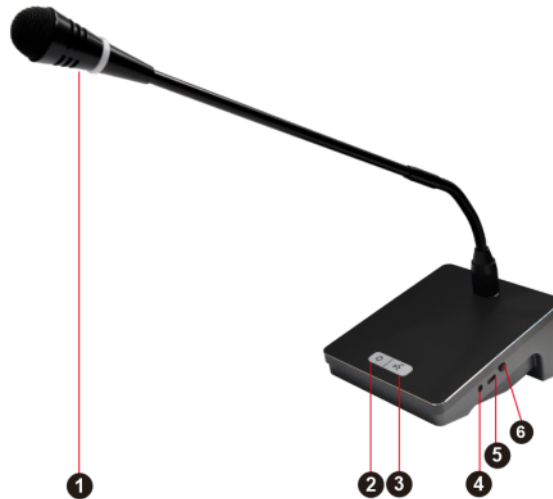
4. Please follow the warning instructions on this product, the warning signs on behalf of:

	<p>Applicable to 2000 meters above sea level and below safe use</p>
	<p>Safe use only in non-tropical climates</p>

Product Features

1. High-definition 5.0-inch IPS full-color display, volume, microphone status, current time and date display, speaking time display, supports speech timing, scheduled speech, signal strength and battery power and other information are clearly displayed.
2. The microphone adopts 48kHz sampling rate and can display the customer's national emblem in full color. It only takes 5 seconds to connect the microphone when it is turned on.
3. It has an intelligent fault detection function, prompting users about AP failure, host communication failure, low signal strength, etc.
4. It has simple TYPE-C setting SSID and password functions to ensure that the wrong AP will not be connected when expanding the system.
5. It has speech timing and scheduled speech functions.
6. Adjust the voice control sensitivity and set the off time through PC software.
7. It has a 5-stage EQ adjustment function that can adjust the different sound effects of all microphones as a whole until the perfect effect is achieved.
8. Supports sign-in function, set up and initiate sign-in through PC software.
9. Adopt 128-bit AES encryption technology and support WPA/WPA2 wireless security technology to prevent eavesdropping and unauthorized access, providing higher confidentiality of the conference system.
10. Using wireless transmission technology, the battery is removable and supports "hot swap" of the battery, which does not affect normal conference use.
11. The chairman has a priority function and can turn off the microphones of all representatives who are speaking.
12. Internal feedback suppression function can effectively prevent howling.
13. Built-in lithium battery, the battery capacity supports 7 hours of speaking, and the optional extended power supply can last for 14 hours of speaking.
14. Has 1-way 3.5mm stereo headphone jack and a USB expansion interface
15. Supports TYPE-C port for upgrade procedures and 18W fast charging.
16. Supports clock display function, which can display date and time: year, month, day, hour, and minute.

Product Interface Function Introduction



1. Goose-neck microphone rod for voice pickup. A red light illuminates when the speaker is enabled and a green light illuminates when a delegate requests to speak.
2. The chairman's microphone has priority, shutting down all currently speaking delegates' microphones.
3. Speak on/off button.
4. 3.5mm headphone jack for audio input, replacing the microphone stem input.
5. Type-C port for charging, program updates, and parameter configuration. Fast charging is supported, fully charging in 3 hours. Charging indicator lights: red and green. The light is bright when charging and green when fully charged.
6. Microphone on/off button.

Technical Parameters

1. Microphone type: cardioid electret
2. Frequency response: 80Hz~16KHz
3. Microphone input impedance: 1K Ω
4. Sensitivity: $-45\pm 1.5\text{dB}$ (0dB=1V/Pa, at 1KHz)
5. Maximum SPL: 100dB (THD>3%)
6. Signal-to-noise ratio: >80dB(A)
7. Crosstalk: >70dB
8. Dynamic range: >80dB
9. THD: <0.1%
10. Maximum power consumption: 2.5 W
11. Power supply mode: lithium battery power supply
12. Charging method: Connect to the charging box for charging through the TYPE-C interface
13. Color: silver gray
14. Sign-in function: touch button sign-in
15. Display: 5.0 inches
16. Size (LxWxH): 166*109*128mm
17. Installation method: desktop type
18. Wireless frequency range: 5.15GHz~5.85GHz
19. Battery capacity: 5200mAh
20. Weight: 0.75Kg
21. Speech mode working time: 7 hours or 14 hours (optional)
23. Microphone rod length: 415mm



CAUTION: Do not open the equipment cover arbitrarily, so as not to electric shock. Please contact the professionals to maintain if necessary.