

User Manual



IP Network Audio Collection & Conversion Terminal TCI-IP570

Safety Instructions

- Please read this manual carefully before use.
- Pay attention to the safety warnings appearing in this manual.
- It is recommended that you keep this manual for future reference.
- The safety symbols and warnings shown in this manual are to prevent personal injury and property damage caused by improper operation. Please read this manual carefully before using this product. Be sure to understand the various safety symbols and warnings to complete them. Everyone is aware of the potential danger.

When installing this unit

- Please use it within the specified voltage range of this machine. Using a higher voltage may cause electric shock or fire.
- Never cut, twist, damage or replace the power cord at will. When using this unit, please avoid getting close to the electric heater to avoid causing fire or property damage.
- Never place heavy objects on the machine to avoid damage to the equipment, electric shock or fire.
- Because the 70 V/100 V output terminal of this machine can cause harm to the human body, these connectors must not be touched to avoid electric shock. After the product installation and debugging is completed, please confirm that the high-voltage part has been installed with terminal protection covers, and when these terminals are connected to external wires, they must be installed and connected under the guidance of professionals.
- Please install the machine on a place that can bear the weight of the machine or on a stable table. Do not install or set up in an unstable place (such as a shaky table or uneven surface) to avoid personal injury when the machine falls. injury or property damage.
- Never insert or remove the plug with wet hands to avoid electric shock accidents.
- When pulling out the plug, please make sure to pull out the plug body instead of pulling directly on the power cord.
- When moving the machine, be sure to unplug the power plug first. If the machine and plug are moved together, it may cause a fire or electric shock.
- Do not cover the ventilation openings on the machine to prevent the internal temperature of the machine from being too high and causing a fire.
- Never insert or remove the plug with wet hands to avoid electric shock accidents.
- When pulling out the plug, please make sure to pull out the plug body instead of pulling directly on the power cord.
- When moving the machine, be sure to pull out the power plug first. If the machine and plug are moved together, it may cause fire or electric shock.

May cause fire or electric shock.

- Do not cover the ventilation openings on the machine to prevent the internal temperature of the machine from being too high and causing a fire.

Notes

- If you find any of the following abnormal conditions during use, please turn off the power immediately, pull out the plug quickly and contact your nearest dealer. Do not continue to use the machine until the problem is solved, as it may cause fire or electric shock.
- If you notice smoke or a strange smell coming from the unit.
- If water or metal objects fall into the unit.
- If the unit is dropped or the casing is damaged.
- If the wire is damaged (the wire core is exposed, the wire is broken, etc.).
- If a fault is found (no sound).
- Because the machine contains high-voltage parts, to avoid fire or electric shock, the casing of this machine must not be opened. If you have any problems, please notify your nearest dealer.
- Never place cups, bowls, vases, or other objects containing liquids on the unit. If liquid is accidentally spilled into the machine, it may cause fire or electric shock.
- Never expose the unit to rain or any humid or water-prone place. It may cause electric shock or fire.
- Never put metal objects or flammable objects, nor coins, into the ventilation openings on the machine cover, as this may cause fire or electric shock.
- Please do not place heavy objects on the machine to avoid personal injury or property damage caused by the machine slipping.
- Please do not continue to use the machine when the sound is distorted. This indicates a malfunction and may cause high temperature and fire inside the machine.
- If the machine needs to be cleaned due to long-term accumulation of dust, please notify your dealer to clean the machine regularly to avoid damage to the machine or fire.
- The product is Class I equipment, and the power supply of the equipment must be connected to a power socket with a grounding device to ensure that the equipment is fully grounded.
- This product uses the power plug or appliance input socket as the disconnection device from the grid power supply. For safety reasons, it must be disconnected when necessary.
- If the panel of this machine is upgraded without further notice, please refer to the actual product for specific conditions.

Product Description

Product overview

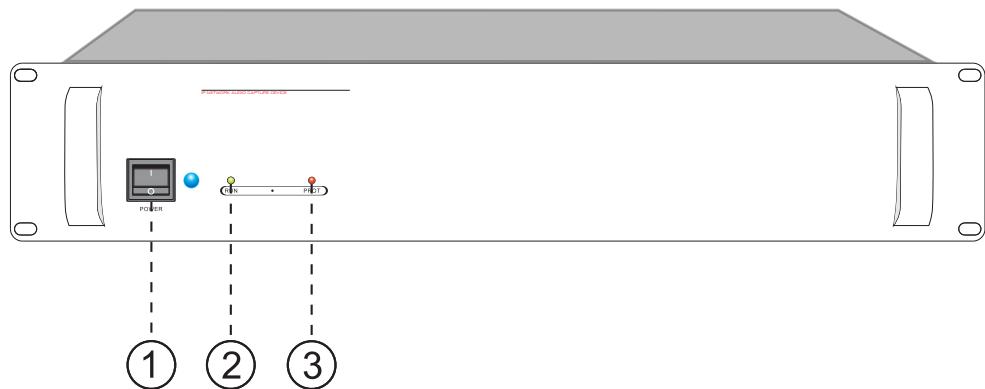
Installed in weak current rooms or sub-control computer rooms in various broadcast management areas, it has built-in high-fidelity power amplifiers and is used for program playback and local broadcasting in halls, corridors, outdoor and other areas.

Features

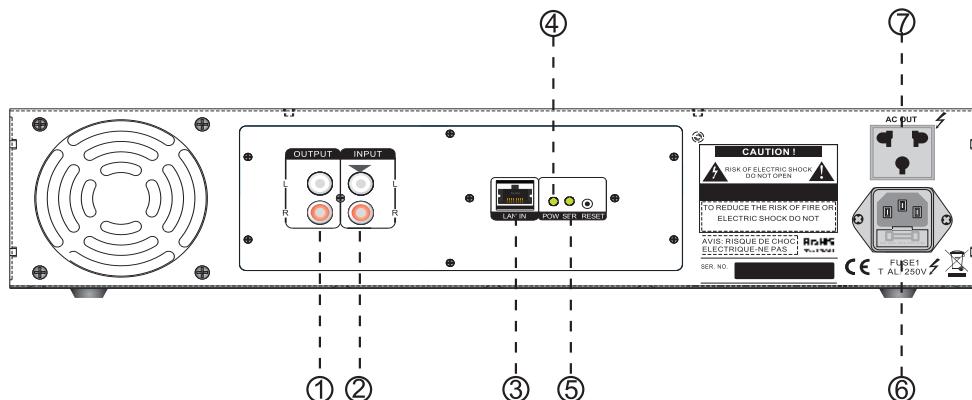
1. Standard 19-inch rack-mount design with a black anodized aluminum brushed panel;
2. Supports scheduled acquisition tasks, ad-hoc acquisition tasks, and audio-triggered acquisition tasks;
3. Employs a Linux system; high-end quad-core ARM chip, ensuring stable performance and fast operation;
4. Supports remote firmware upgrades for the terminal from the broadcast system, eliminating the need for local upgrades on the terminal;

Names and functions

Front Panel:



- ① Power switch
- ② Operation indicator light
- ③ Server status indicator light

Rear Panel:

- ① Audio output
- ② Audio input
- ③ RJ45 network input interface
- ④ Operating status indicator light
- ⑤ Server status indicator lights
- ⑥ AC power input interface
- ⑦ Controlled power output interface

- ⑦ The power switch can be used to manually turn on the power; The power can be turned on automatically at a set time; The power can be turned on automatically when music is temporarily played; The power can be turned on automatically when a fire alarm is triggered; The power can be turned on automatically when a paging call is made.

Technical Parameters

Specification

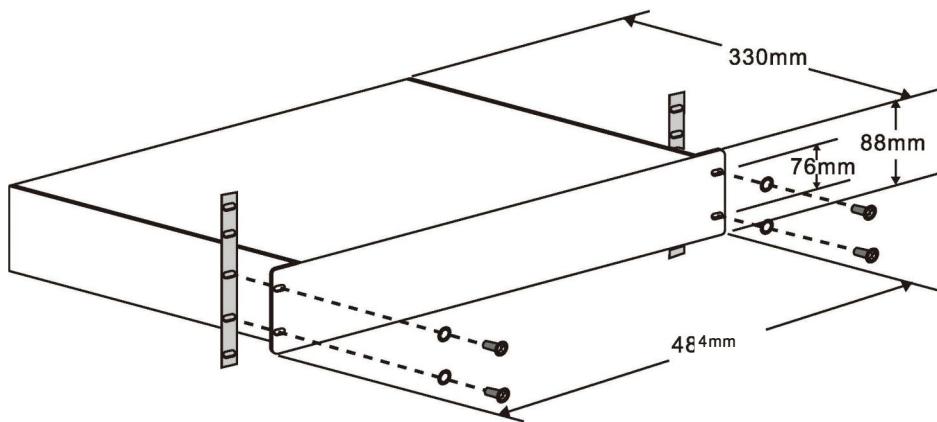
Model	TCI-IP570
Supported Protocols	RTP/TCP/IP, UDP
Audio Format	MP3/MP4/MKV/FLC/WAV (play the original file, the sound quality reaches CD level)
Sampling Rate	8K ~ 48KHz
Network Transmission Rate	100Mbps
Frequency Response	±2db (20~20kHz)
THD	≤ 1%
Broadband SNR	≥ 81db
Weighted SNR	≥ 86db
Bit Rate	8K ~ 512Kbps
AUX Input Sensitivity	0.775V (unbalanced)
MIC Input Sensitivity	10mV (unbalanced)
Acquisition Sensitivity	350mV
Sound Pressure Trigger Threshold	≥ 10mV
Standby Power Consumption	<3W
Weight	4KG
Dimension	482 (W) * 380 (D) * 88 (H)

Installation

Rack mount

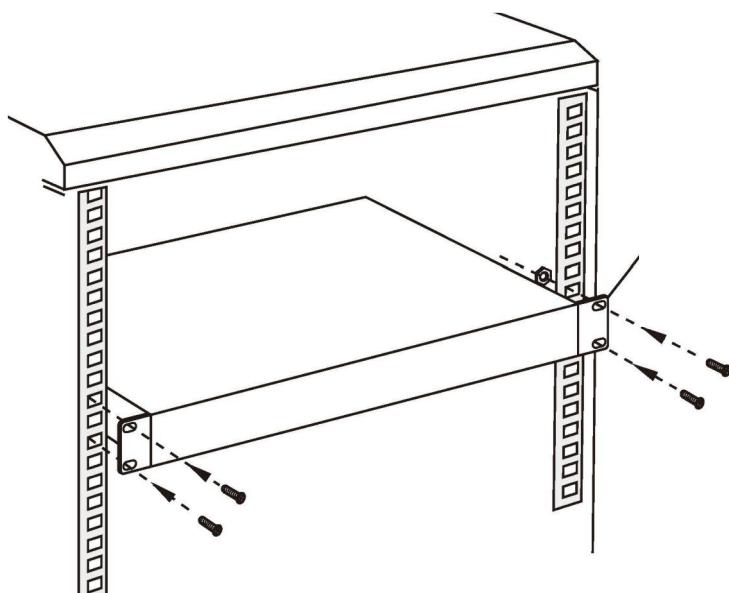
Step 1

Use four screws and washers to mount the amplifier to the stock rails.



Step 2

Rack installation: Align the product parallel to the cabinet and push it in, so that the mounting bracket holes on both sides of the product are aligned with the mounting holes on both sides of the cabinet, and secure with screws. (As shown below)





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

The products are constantly improving, subject to change without prior notice.