

TES-5690MA

Digital Infrared classroom Audio System Main Unit



System features

- Original dirATC-digital infrared Audio Transmitting and Control technologies for steady reproduction of crystal-clear sound
- Infrared transmitting carrier frequency conforms to IEC 61603-7, DQPSK digital modulation/demodulation technology
- Built-in professional digital audio power amplifier, 4 speaker ports
- 2 RJ45 interface for connection to TES-5600RN/30 series Digital Infrared Receiver
- Selectable infrared carrier frequency for simultaneous use of 2 wireless microphones
- A type USB for connecting to TES-5600MIC or TES-5600CSM series wired microphone for audio transmission
- B type USB interface for digital audio input/output and remote control of PPT slides via connecting to PC
- 1 Analog line input (Ø 3.5mm, stereo), 1 Analog audio input (3-pin Phoenix, balanced, with phantom power), 1 Analog priority input (3-pin Phoenix, stereo), the volume of each channel is individually adjustable
- 1 Analog line output (3-pin Phoenix, stereo)
- 1 RS232 interface for connection to central control system
- The balance of the power amplifier output channel is adjustable, output power: 200 W × 2 + 60 W × 2
- Built-in DSP audio processor, support webpage control and management. The user can access the IP address of main unit from web browser to set parameters and view device status, e.g. compressor, equalizer, DRC, etc.
- Complete protection functions: short-circuit, DC, over-temperature protection, overload power control, over-temperature power control, etc.

Interconnections

- ETHERNET (RJ45) interface for connecting to LAN/PC for web control and management
- RJ45 interface (IR RECEIVER) for connecting TES-5600RN/30 series Digital Infrared Receiver
- 1 type-B USB interface for digital audio input/output and remote control of PPT slides
- 1 type-A USB interface for connecting to TES-5600MIC or TES-5600CSM series wired microphone for audio transmission
- Multiple audio in/out interfaces:
 - ◆ 3 audio LINE IN
 - 1 Analog line input (Ø 3.5mm, stereo)
 - 1 Analog audio input (3-pin Phoenix, balanced, with phantom power) for microphone input
 - 1 Analog priority input (3-pin Phoenix, stereo)
 - ◆ 1 Analog line output (3-pin Phoenix, stereo)
 - ◆ 4 speaker ports available (2 FRONT + 2 REAR)
- 1 RS232 interface for connection to central control system

Technical Specifications

Electrical

Power supply.....	AC 100 ~ 240 V, 3.0 ~ 1.5 A
Modulation method.....	DQPSK
Carrier frequency.....	Audio channel 1: 2.33 MHz Audio channel 2: 3.67 MHz
Frequency response.....	main unit to main unit: 50 Hz to 20 kHz Mic. to main unit: 100 Hz to 20 kHz
SNR.....	Mic. to main unit: ≥90 dBA
THD.....	Mic. to main unit: ≤0.05%
Dynamic range.....	Mic. to main unit: ≥85 dB

Mechanical

Speaker interface.....	200 W×2 (FRONT) 60 W×2 /6 Ω (REAR)
Dimension (h x w x d, mm).....	480×288×45
Color.....	Black (PANTONE 419 C)
Weight.....	4.3 kg

Ordering Information

TES-5690MA.....	Digital Infrared Classroom Audio System Main Unit (supports 2 wireless microphones, with DSP, built-in audio power amplifier 2×200 W+2×60 W, central control interface)
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