TES-5685MB-B/30
Digital Infrared Classroom Audio System

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
- Selectable infrared carrier frequency for simultaneous use of two wireless microphones
- Built-in digital audio power amplifier and speakers for easy sound reinforcement
- 1 RJ45 interface for analog audio signals input/output
- 1 RJ45 interface for connection to TES-5600RN/30 series Digital Infrared Receiver
- Volume of speakers is adjustable
- Bass and Treble are adjustable
- Supports remote PPT slides
- Highly integrated, and easy to install

Controls and Indicators

- Switch:
  - F1.: select IR frequency
  - F2: set broadcast mode
  - AFC: set AFC function
  - AUTO FADE on: reduce line in volume automatically when the IR microphone is on
- Bass and Treble adjustment knob
- Volume control knob

Interconnections

- RJ45 socket (Audio I/O)for connection to TES-5685BX series control box
- Micro USB interface for connecting to computer
- RJ45 interface (RECEIVER) for connecting TES-5600RN/30 series receiver for extension

Technical Specifications

Electrical

Power supply	AC 100-240 V, 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
Emission angle	vertical: 150° (±75°), horizontal: 360°
IR radiation range:	
Line-of-sight distance	25 m

Mechanical

Speaker interface	Max. 4×30 W (12 Ohm)
Dimension (h x w x d ,mm)	206 x 332 x 319
Color	White (PANTONE 420 C)
Weight	3.5 kg

Ordering Information

TES-5685MB-B/30 — Digital Infrared Classroom Speaker (with digital infrared receiver, supports 2 wireless microphones, analog audio input/output, built-in audio power amplifier and integrated loudspeakers, RJ45 interface for extending receiver, Type B plug)