PA-10T

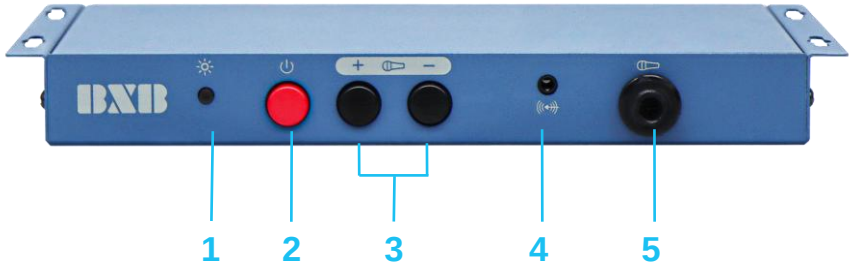
Digital Mixer Amplifier (with Transformer)



Product Features

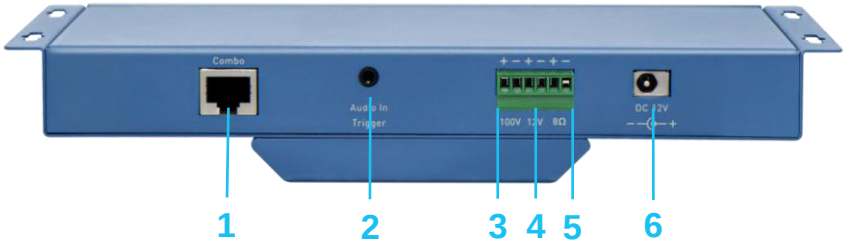
- Designed for classrooms and seminar rooms, it supports simultaneous mic and line-in audio—perfect for connecting both teaching microphones and laptops.
- Features digital volume control with 32 adjustable levels for precise mic input tuning.
- Supports 4Ω / 8Ω low-impedance and 100V high-impedance speaker outputs, delivering up to 15W of clear sound.
- Combines teaching and paging functions in one device. Compatible with BXB ICP-5110 and other broadcast decoders, and can be triggered via DC12V or N.O. dry contact for auto audio mixing.
- Smart auto-mix activation via 100V signal detection: once a signal exceeds the volume threshold, it automatically mixes and outputs broadcast audio. If inactive for 30 seconds, it shuts off—no manual intervention required.
- Expandable with up to 3 ICP-PRE2 preamp modules for additional teaching audio sources.
- Load error indicator flashes red if connected speakers or wiring are faulty, allowing fast troubleshooting.
- Compact and lightweight with mounting brackets for easy installation under blackboards, whiteboards, or on walls—ideal for streamlined setup and maintenance.

Front Panel Interface



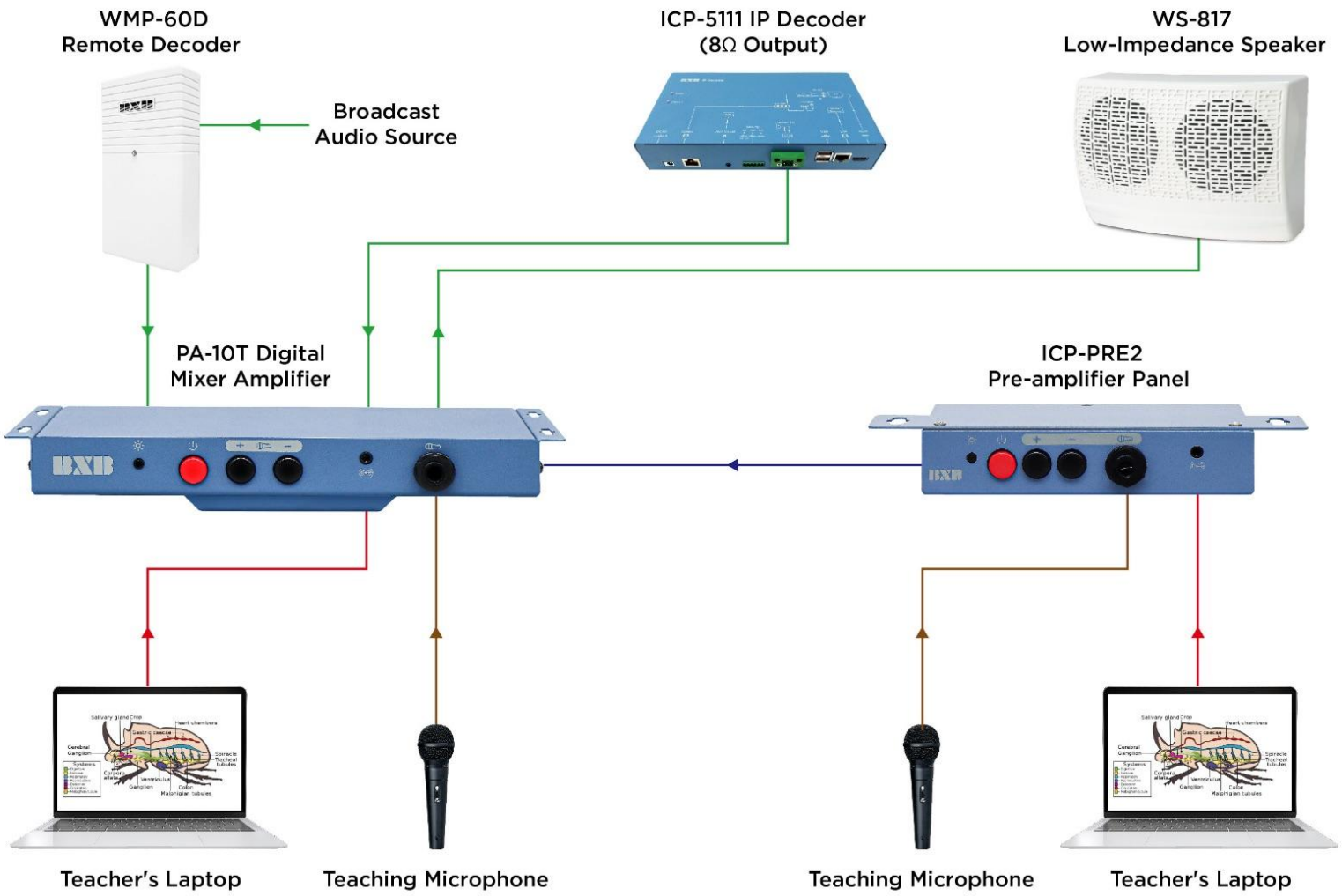
1. LED Status Indicators
2. Teaching Mixing On/Off Switch
3. Microphone Input Volume Adjustment Knob
4. Teaching Mixing Line-Level Audio Input Jack
5. Teaching Mixing Microphone Audio Input Jack

Rear Panel Interface



1. Preamp Panel Expansion Jack
2. Trigger Mixing Line-Level Audio Input Jack
3. High-voltage 100V audio input terminals
4. Trigger Activation Line-Level Mixing Terminal
5. Low-Impedance Speaker Terminal
6. Power Input Jack

Front Panel Interface



Specifications

Hardware Specifications

Linear Audio Input	Input Impedance: 2KΩ @ 1KHz Maximum Input Audio Signal Level: 550 mVp-p
Broadcast Audio Input	High-voltage 100V audio input terminals
Microphone Audio Input	Input Impedance: 48.7KΩ @ 1KHz Maximum Microphone Input Level: 85 mVp-p (default volume)
Linear Audio Input (Trigger Mix)	Minimum Microphone Input Level: 3 mVp-p Input Impedance: 1KΩ @ 1KHz Maximum Input Audio Signal Level: 550 mVp-p
THD+N & SNR	< 0.1% THD+N, >82 dB SNR @Seaker Out 6.5W ,RL 8Ω, F =1K Hz,(Microphone-in) < 0.1% THD+N, >88 dB SNR @Seaker Out 8W,RL 8Ω, F =1K Hz,(Audio Line-in) < 0.5% THD+N,>82 dB SNR @Seaker Out 12W, RL 4Ω, F =1K Hz, (Microphone-in) < 0.1% THD+N,>86 dB SNR @Seaker Out 15W, RL 4Ω, F =1K Hz, (Audio Line-in)
Output Impedance	0.1Ω
Power Consumption	Standby Current: ≒ 140mA @ DC 12 V

Physical Characteristics

Dimensions (WHD)	238 x 39 x 105 mm
Weight	0.68 KG
Operating	0°C~40°C
Temperature	-15 ~ 55°C
Humidity	40 ~ 70% (Non-condensing)
Solid Red Light	Standby
Solid Green Light	Teaching Mix Output Enabled
Slow Flashing Green Light (1 second on / 1 second off)	Broadcast Mix Trigger Enabled
Fast Flashing Green Light (0.1 second on / 0.1 second off)	Microphone Audio Input DRC Activated
Fast Flashing Green Light (0.1 second on / 0.1 second off)	Output Abnormal (High Temperature, Overload)

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