PA-10

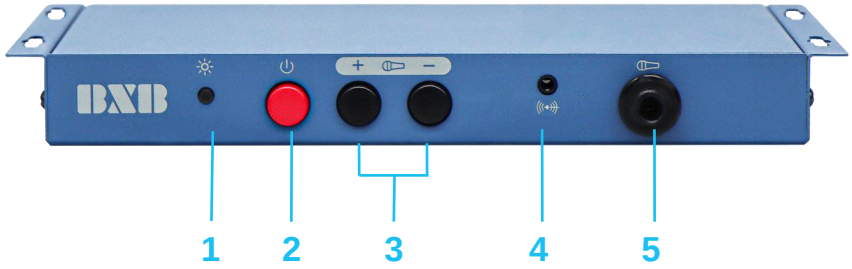
Digital Mixer Amplifier



Product Features

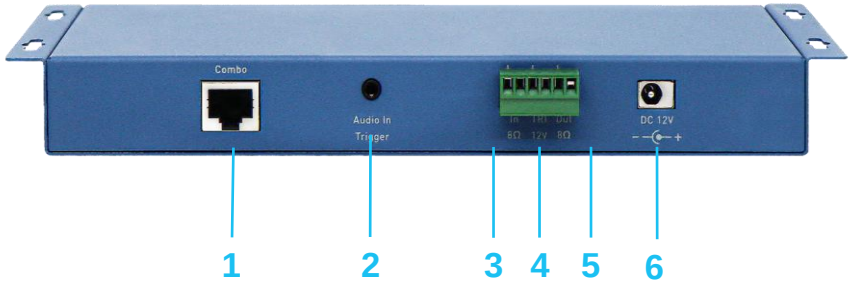
- Ideal for classrooms and seminar rooms, it supports both microphone and line-in audio, allowing simultaneous input from teaching mics and teacher laptops.
- Features a digital volume control with 32 adjustable levels for precise mic volume tuning.
- Supports 4Ω or 8Ω speaker output with up to 15W of power.
- Combines teaching and PA functions in one device—connects with BXB ICP-5110 or third-party broadcast decoders for external audio input. Can be triggered via DC12V or N.O. dry contact for automatic audio mixing output.
- Smart auto-mix function: detects 8Ω input signals and triggers mixing if volume exceeds threshold. Automatically turns off after 30 seconds of inactivity—no manual control needed.
- Expandable via ICP-PRE2 preamp modules, supporting up to 3 additional audio inputs for teaching.
- Built-in load error indicator flashes red if speaker or wiring issues are detected.
- Lightweight, space-saving design with mounting brackets for easy installation under blackboards, whiteboards, or on walls.

Front Panel Interface



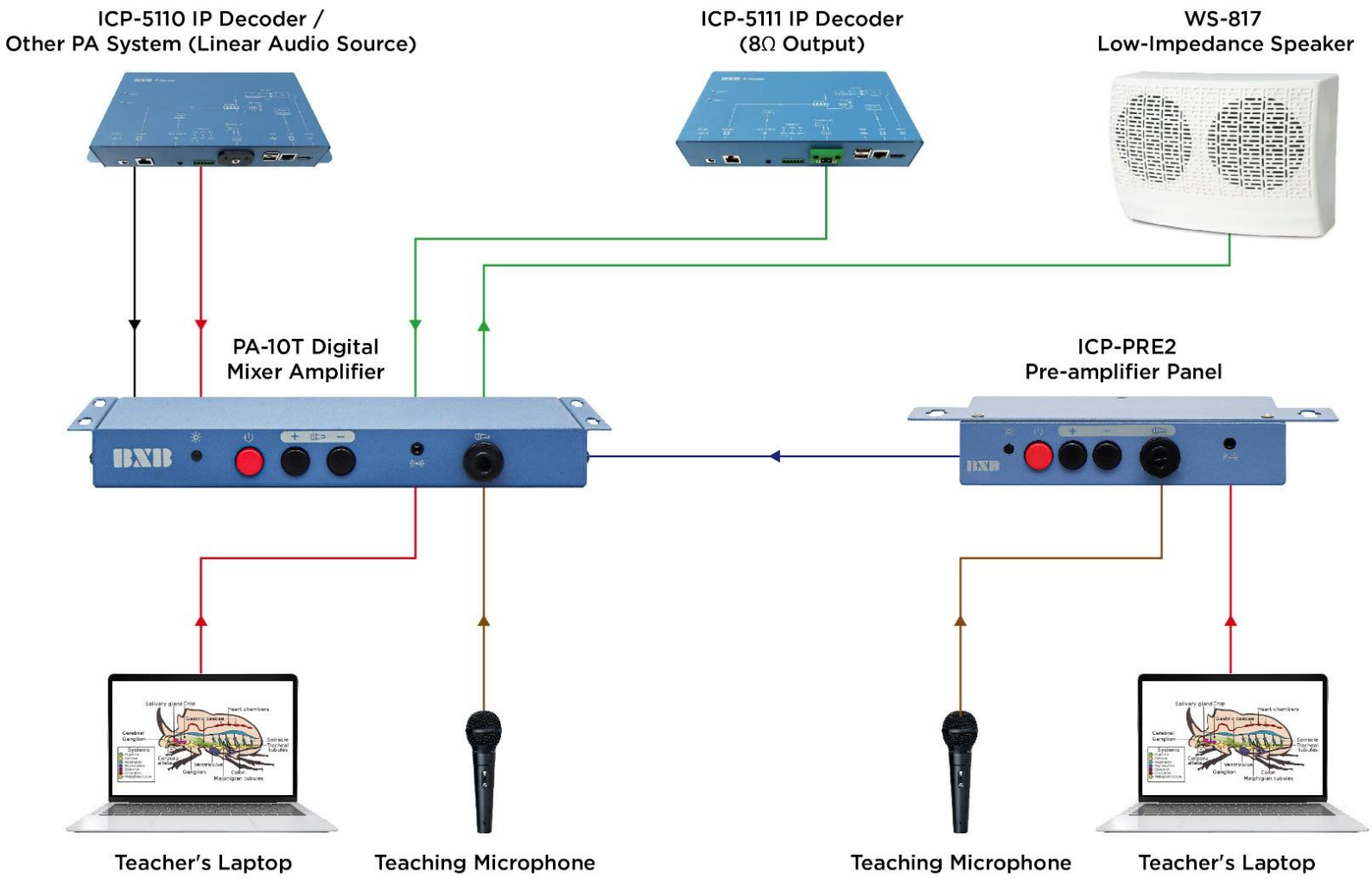
1. LED Status Indicators
2. Teaching Mixing On/Off Switch
3. Microphone Input Volume Adjustment Knob
4. Teaching Mixing Line-Level Audio Input Jack
5. Teaching Mixing Microphone Audio Input Jack

Rear Panel Interface



1. Preamp Panel Expansion Jack
2. Trigger Mixing Line-Level Audio Input Jack
3. 8Ω low-impedance 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	8Ω low-impedance 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 26 x 105 mm
Weight	0.55 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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