



GT-PBR-15 Boardroom Router / Scaler System

The GT-PBR-15 is a high-performance presentation scaler/switcher designed for boardroom environments, featuring four pairs of independent and scaled outputs. It supports multiple HDMI and HDBaseT inputs, accommodating resolutions up to 4K, alongside a legacy VGA input. Each of the four outputs is mirrored on both HDMI and HDBaseT, ensuring flexibility in signal distribution. The device supports embedded and balanced analog stereo audio and can handle up to two microphone inputs, offering DSP audio features and a built-in stereo power amplifier. Additionally, it includes a built-in Ethernet switch and supports legacy RS-232, IR, and Ethernet tunneling over HDBaseT for comprehensive control and connectivity options.

Feature:-

- The GT-PBR-15 Boardroom Router/Scaler System features Pix-Perfect Scaling Technology for high-quality up-and-down scaling, ensuring a seamless presentation experience. This high-performance switcher/scaler supports resolutions up to 4K60 4:4:4 on HDMI ports and up to 4K60 4:2:0 on HDBaseT ports, with a legacy VGA input supporting up to 1080p60. It boasts a system range of up to 100m for 4K and 180m for 1080p, and includes a 4×1 USB switcher that can follow video switching or operate independently. Audio DSP features allow for input/output level adjustments, microphone talkover, mixing, and EQ, while the built-in 2×20W power amplifier enhances audio output. The system supports multiple control options, including front panel buttons, RS-232, and Ethernet with built-in web pages, and offers advanced EDID management, multiple aspect ratio selections, and an On-Screen Display (OSD) for easy adjustments. Efficient power-saving features and non-volatile memory ensure settings are retained even after power cycling, making it an ideal solution for professional boardroom environments.

Category	Specification
Inputs	6 HDMI on female HDMI connectors
	1 PC on a 15-pin HD connector
	4 HDBT on RJ-45 female connectors
	8 Stereo Analog Balanced Audio on 5-pin terminal block connectors
	2 Unbalanced Mono Audio on 3-pin terminal block connectors
Outputs	4 HDMI on female HDMI connectors
	4 HDBT (mirrored with each HDMI output) on RJ-45 female connectors
	5 Balanced Stereo Audio on 5-pin terminal block connectors
	1 Stereo Balanced Audio on a 4-pin large terminal block
Line Level Input Impedance	16.6kΩ
Maximum Level	+14.7dBu (4.2Vrms)

Sensitivity	Full power @ +8.7dBu (2.1Vrms) for OUT = 1.9Vrms
Microphone Level Input	
Impedance	47k Ω
Sensitivity	Full power @ -37dBu (11mVrms) for OUT = 1.9Vrms
Phantom Power	48Vdc on/off per input
Line Level Output Impedance	500 Ω
Frequency Response	20Hz - 20kHz @ \pm 1dB
S/N Ratio	>75dB, 20Hz - 20kHz (unweighted), >81dB, 20Hz - 20kHz (A-weighted)
Audio THD + Noise	<0.014%, 20Hz - 20kHz (unweighted), <0.0092%, 20Hz - 20kHz (A-weighted)
Crosstalk	<-93 dB, 20Hz to 20kHz
Amplifier Output Power	2 \times 20W into 4 Ω
Amplifier Class	D
Maximum Voltage Gain	26dB BTL
Dynamic Range	103 dB A-Weighted
Frequency Response	20Hz - 20kHz @ \pm 1dB
S/N Ratio	>68 dB, 20Hz - 20kHz (unweighted)
Audio THD + Noise	<0.037%, 20Hz - 20kHz (unweighted)
Crosstalk	<-77 dB, 20Hz to 20kHz
Ports	4 IR (for HDBT Outputs) on terminal block connectors for IR link extension 4 IR (for HDBT Inputs) on terminal block connectors for IR link extension 4 RS - 232 (for HDBT Outputs) on terminal block connectors for serial link extension 4 RS - 232 (for HDBT Inputs) on terminal block connectors for serial link extension 5 USB: 4 USB Hosts on USB-B connectors, 1 USB Client on a USB-A connector, 1 USB on a USB-A connector for firmware upgrading 2 RS-232 on 3-pin terminal block connectors 4 100BaseT Ethernet on RJ-45 female connectors for device control and LAN extension
Video Max Resolution	HDMI: 4K60 4:4:4

	HDBT: 4K60 4:2:0
	PC (VGA):1080p
Compliance	Up to HDMI 2.0 and HDCP 2.2
Extended Ethernet Max Transmission	Bandwidth: 100Mbps
Extended RS-232 Baud Rate	300 to 115200
Control RS-232 Baud Rate	115200
Power Max Power Consumption	190VA
Storage Temperature	- 40° to +70°C (-40° to 158°F)

