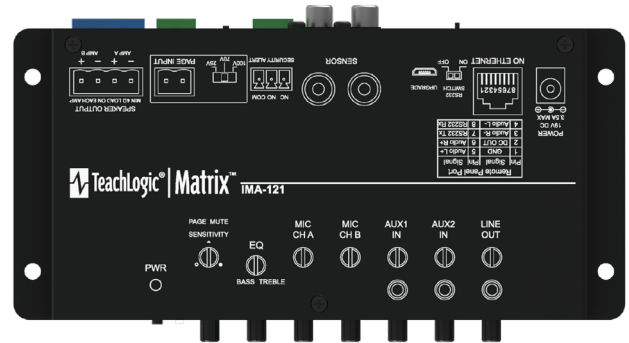


# Amplifier/Receiver



CPS-121 Wall mount control panel with Bluetooth



## Matrix™ IMA-121

Amplifier | Infrared Microphone Receiver | Multimedia Audio Mixer with Wall Panel Controller

### Specifications

Receiver Input	Infrared FM
Modulation	FM Wide-band
Reception Frequencies	Ch. A: 2.08 MHz   Ch. B: 2.54 MHz
Infrared Wavelength	850 nm
Tone Signal	Ch. A: 32.768 kHz
De-emphasis	50 µs
Frequency Response	40 Hz, -18 kHz, ± 3 dB
S/N Ratio	>65 dB
THD	<1% @1 kHz
Nominal Deviation	± 10 kHz
Maximum Deviation	± 25 kHz
External Sensor Input	Two, RCA
Connectivity Coverage	1,600 Sq. Ft.   50ft. line of sight
Line Inputs	Two Line Level, Aux input with +10dB Gain Control, 3.5mm
Line Output	One 3.5mm Line Level output with Gain Control
Page Over-Ride	Input: 100v, 70v, 25v, 2pin Phoenix
Sensitivity	Level Control
Security Alert	Contact Closure (COM, N/O, N/C)
Equalization	Bass/Treble Control, ±12 dB
Output Power	Two digital Amplifiers, 25 watts ea, 50 Watts total (RMS)
Output Impedance	4Ω min. per channel
Output Connection	One Phoenix Connector
Power Supply	19 VDC / 3.4 A CE, CSA and UL Listed
Dimensions	7 1/2" W x 4 1/4" H x 1 1/2" D
Weight	1 lb 5 oz.

### Features

- Two infrared wireless microphone receivers with volume control
- Two stereo, line level, auxiliary inputs (3.5mm)
- One dual mono line level output for Assistive Listening system with gain control (3.5mm)
- Two Power Amplifiers: Total 50 watts RMS class D amplifier, 25 watts ea. channel
- Security Alert, contact closure, N/O, N/C
- Page Over-ride (muting) with Page Pass-through to classroom speakers input level 100v, 70v, 25v
- RS-232 wall panel control, RJ-45
- RS-232 on/off switch
- Teacher Priority instantly attenuates all line inputs
- Bass/Treble control equalizer ± 12dB
- Two external sensor inputs, RCA