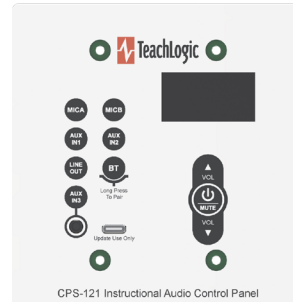
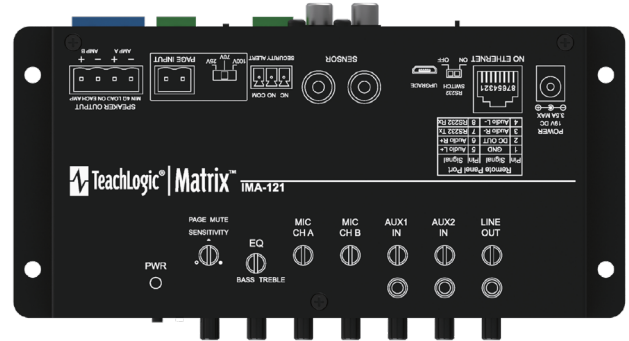


# Amplifier/Receiver



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