Forum™ IMA-240

AUDIO AMPLIFIER/RECEIVER/MIXER

TeachLogic
The Voice of Learning.

Specifications

Amplifier Output Power	50 W RMS, 2 x 25 W channels
Receiver Input	Infrared FM, 2 wireless mic channels
Modulation	Wide-band FM
Reception Frequencies	Ch. A: 2.08 MHz | Ch. B: 2.54 MHz
Deviation	10 kHz Nominal, 25 kHz Maximum
De-emphasis	50 μs
Tone Key	32.768 kHz
Infrared Wavelength	850 nm
External Sensor Input	2, RCA, powered ports
Connectivity Coverage	1,600 sq ft per sensor, up to 3 sensors supported
Total Harmonic Distortion	<1% @ 1 kHz
Frequency Response	40 Hz –18 kHz, ± 3 dB
Line Level Inputs	Rear Panel: DVD input, dual RCA, 0dB
	Rear Panel: Computer input, 3.5mm, -10 dB
	Front panel: Auxiliary input, 3.5 mm, -10 dB
Anti-Hum Balun	Present on Computer input
Line Outputs	Front panel: 3.5mm w/ gain control
	Rear Panel: 3.5 mm w/ +10 dB gain control
Output Impedance	Rated Load: 4 Ω minimum impedance
Equalization	3-band, ±10 dB
S/N Ratio	65 dB
Speaker Connection	4-pin Phoenix Connectors
Charger Output	5 VDC, USB
Power Supply	19 VDC / 3.5 A CE, CSA and UL Listed
Dimensions	8 1/2" W x 1 3/4" H x 7 1/2" D
Weight	1.7 lb

Features

- Amplifier: digital hybrid class D
- Two Power Amplifiers: 25 watts ea. channel, total 50 watts RMS for 4 x 8Ω loudspeakers
- 3 Line Level Inputs, mixed w/ the two microphone inputs
- 2 Line Level Outputs
  - › Rear panel mixed output for assistive listening system and/or lesson capture with gain control (3.5mm)
- Hybrid Learning Compatible
  - › Front panel input & output connects to host computer to synchronize classroom audio w/ video conference application
- Digital Feedback Guard™
- Switchable computer anti-hum circuit with ON/OFF switch
- 3-band digital equalizer ± 10dB
- Power sleep mode to conserve energy
- Light weight aluminum cover
- Teacher Priority function attenuates volume of all line inputs with button press
- Drop-in microphone charger connection 5 VDC USB
- Accommodates up to 3 ceiling sensors for increased microphone reception coverage and/or extra-large classrooms
- WC-400 Wall Mounted Cabinet (optional)
- Rack or shelf/wall mounting kits (optional)