



Overview

Dual Channel Infrared Receiver and Amplifier System

The IR2 channel receiver amplifier utilises reliable infrared transmission and is loaded with excellent integration and exceptional versatility.

The four auxiliary inputs offer multimedia integration with even distribution of sound for all audio in the classroom and the two separate outputs for assistive listening and recording with active board. It has 5-band equalizer, a 50 watts Class D amplifier and RS-232 functionality which accomplish the IR2 channel receiver amplifier a full range comprehensive integration device.

The IR2 channel receiver amplifier also interfaces with other applications and services such as computer, broadcasting system, fire alarm control unit and emergency alert system.



Features



- 50-Watt Class D power amplifier
- 4 media inputs for computer, DVD/iPod TM, MP3, and Aux
- Auxiliary input with Mic or Line level switch
- 2 outputs for both assistive listening and audio recording
- RS-232 integration.
- Teacher's voice priority- Channel A priority over line input 5-band EQ
- Ground loop filter switch for computer input to eliminate hum noise
- Charger connection 5V DC USB
- 1 year of warranty



Technical specifications

Receiver Input	Infrared
Modulation	FM Wide-band
Infrared Wavelength	850 nm
Reception Frequencies	CH A : 2.08 MHz / CH B : 2.54 MHz
Tone Signal	32.768 KHz
Frequency Response	40 Hz-20 KHz \pm 3dB
S/N Ratio	>70 dB
THD	< 1%@1 KHz
Nominal Deviation	\pm 10 KHz
Maximum Deviation	\pm 25 KHz
De-emphasis	50 μ s
Connectivity Coverage	2500 Sq. Ft.
Equalization	5 band \pm 12dB
Amplifier	Class D, Two Amplifiers, 25 Watts ea. (RMS), 50 Watts total (RMS) @40
Page Over-Ride	Input voltage: 1 00V-70V-25V Sensitivity: 0-1 0dB
Fire Alarm	AC/DC 5-24V
Security Alert	Contact Closure N/O, N/C Triggered by T6r
RS-232	Yes
Teacher priority	Yes
Sensor Inputs	2, RCA type
Charger Output	DC 5V, USB
Power Supply	C 19V / 3.42A

Ports

Audio input	(1) DVD, Line level, Dual RCA with+ 1 0dB gain control (1) Computer, Line level, 3.5mm with GLI switch (1) Aux, Mic/Line level switchable, 3.5mm (1) MP3, Line level, 3.5mm@ front panel
Aux output	(1), Line level, 3.5mm ALD (post-fader) (1), Line level 3.5mm REC (post-fader)

Dimension

Dimension	215(W) x 190(D) x 44(H) mm
Weight	740 gs

What's in the box

User manual	x 1	Screw (black) to attach bracket to speaker	x 4
Speaker (wall-mount or ceiling)	x 2	Screw to mount speaker bracket to IWB	x 4
Speaker bracket - to attach to IWB	x 2	Mounting bracket for Amplifier	x 2
Speaker bracket - to attach to wall	x 2	Screw to attach mounting brackets to Amplifier	x 4
Speaker cable	x2	Power cable	x 1
Amplifier	x 1	Power supply	x 1



► Solutions

The HDI Hearing Augmentation Solution can be added to any existing sound system whether in a classroom, conference room or banquet room

