



Overview

System 3 is built via an integrator that uses digital audio amplifier circuitry to produce clear and crisp sound with no loss in sound quality.

The panel controls the entire system. With an in-built microphone function as well as a separate volume control, the integrator is fully flexible allowing users to mix sound inputs.

The system is also extendable and if needed can be connected to additional amplifier via its variable audio line output located at the back.

HDI Hearing Augmentation Solutions have been created to meet Australian standards, in accordance with the Disability (Access to Premises – Buildings) Standards 2010 – F2010L00668.

These solutions can be added to any existing sound system and allow the presenter the freedom of moving around the room whether they are in a classroom or a boardroom.

Product highlights

- Can be added to any existing sound system
- Connectivity in excess of 15m radius
- Includes IR Mic System with receiver and 2 microphones
- Includes additional ceiling speakers
- Easy to install and connect

Features

- Meets Australian standards and allow students with hearing impairments to hear announcements over PA
- Specifically designed to work with HDI series of products
- The panel provides all of the connections you will ever need, it provides:
 - Two volume controls (Master and Mic)
 - Access to MP3, USB, HDMI, VGA and a Microphone jack
 - An in-built audio codec that will take the audio signal from your PC to the USB cable
 - An in-built amplifier and a mute button
- Streamlined 25W speakers tuned for voice reproduction
- Output includes: USB, HDMI, Variable Line OUT and VGA
- Easy to install with step-by-step instructions
- The HDI Hearing Augmentation Solution can be added to any existing sound system whether in a classroom, conference room or banquet room
- No messy cables and you have total freedom of movement throughout the room
- Excellent vocal quality and reliable connectivity in excess of 15 meter radius to a central ceiling sensor
- Includes IR Mic System with IR receiver, 2 hearing augmentation microphones and ceiling speakers and a microphone and charging dock

Distributed by:

General

Frequency response	20Hz~20KHz
SNR	80dB
Power output	2 x 25W (8 Ohms) @ THD = 10%
Power supply	DC 24V
Case dimension	121mm (W) x 79mm (D) x 432mm (H)
Record out	50Ω
Mic/line in	>10KΩ
70V/100V SP IN	1 x Phoenix
Stereo channel seperation	60dB
CMRR	>70dB @ 20Hz~20KHz
THD + Noise	≤3%
Power consumption	6W
Product weight	0.5kg
Output	3.5 Line
Input	3.5 Line
Carrier reception	Infrared
Reception system	Heterodyne
Reception frequencies	CH A:2.08MHz / CH B:2.54MHz
Warranty	12 month back to base

Audio Input

MP3	1 x Stereo audio 3.5mm jack
MIC	1 x 6.5mm jack
AUX	1 x Stereo audio 3.5mm jack
Input impedance	>10kΩ

Audio Output

Speaker	1 x Phoenix connector
Variable line out	1 x Stereo audio 3.5mm jack
Output impedance	50Ω / stereo, 8Ω / amplifier

Video Input

VGA	1 x 15mm female VGA
HDMI	19pin female HDMI

Video Output

VGA	1 x 15mm female VGA
HDMI	19pin female HDMI

Computer Input

USB	1 x USB type B
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Computer Output

USB	1 x USB type A
USB THRU	1 x USB type A

IR Receiver Box

Infrared wavelenghts	850nm
Modulation system	FM wide-band
Tone signal	32.768KHz(A.B CH)
De-emphasis	50μS
Frequency response	50Hz ~ 13KHz ± 3dB
S/N ratio	>75dB
THD	< 1.0% (at 1 KHz)
Maximum deviation	±22.5KHz
Outputs (modulation factor 22.5KHz dev., Volume: MAX)	(1) Unbalanced Mixed (1/4") output, LINE: 1V/47KΩ, MIC: 100mV/600Ω
Equaliser	5 band (100, 300, 1K, 3K, 10K)
External sensor inputs	4, RCA type
Power supply	DC 12V/1.25A
Size	215mm (W) x 190mm (D) x 44mm (H)
Weight	1.02kgs

Distributed by:

IR Transmitter (Microphone)

Infrared wavelenghts	850nm
Transmission frequency	1-CH A: 2.08MHz / 2-CH B: 2.54 MH 3-CH B: 2.54MHz (push to talk)
Modulation	FM
Pilotone frequency	32.768KHz
Transmission angle	180°, conical
Microphone capsule	Condenser, unidirectional
Location of IR emitter	Built-in, top
Self volume control	HIGH / MIDDLE / LOW switch
External aux input	One 3.5mm stereo jack
Functional control switch	Aux input volume up - Thumb rotary up, Aux input volume down - Thumb rotary down, Mute on off - Push momentary
Push to talk	Switch to 3-CH, puch and hold the functional control switch to talk
Current consumption	90mA
Battery	Li polymer battery (3.7V/600mAh)
Battery life	Approximately 6-7 hours
Power LED indicator	Battery capacity: Full to low (blue -> purple -> red), Flashing red: Battery low, needs charging, Green: Push to talk (on 3-CH B), Charging: Red, Charging complete: Green
External power charge	Charging source is compatible from any laptop, PC, travel adaptor (DC 5V/1A) or micro-USB receptacle
Clip and lanyard	Detachable clip and adjustable neck strap with break away clip
Dimensions	19mm (thickness) x 93mm (H) x 30.6mm (W)
Weight	Approximately 39g (with battery)

What's in the box

Audio controller / amplifier	x 1
Speaker (Wall-mount)	x 2
Speaker (Ceiling-mount)	x 2
Speaker bracket - to attach to IWB	x 2
Speaker bracket - to attach to wall	x 2
Speaker cable	x 2
USB cable (A-B type)	x 1
Power cable	x 1
User manual	x 3
Power supply	x 1
Wall plug	x 4
Screw to suit wall plug	x 4
Screw (black) to attach bracket to speaker	x 4
Screw to mount speaker bracket to IWB	x 4
IR-288 main receiver unit	x 1
Main receiver unit wall case	x 1
Main receiver brackets	x 4
Power supply for main receiver	x 1
Power supply for microphone charger	x 1
Infrared ceiling sensor	x 1
Infrared ceiling sensor bracket kit	x 1
Infrared sensor cable	x 1
Infrared pendant transmitter	x 1
Rechargeable batteries	x 2
Lanyard	x 2
6.5mm male to 6.5mm male audio cable	x 1
T6 Diamond infrared pendant microphone	x 2
USB to micro - USB cable	x 1
Power supply for T6 microphone	x 1
Microphone charge dock	x 1
Power supply for charge dock	x 1

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