ADS100-B

SOUND&VIDEO CONTRACTOR

BEST *of* **SHOW**

InfoComm 2014

PeerSound™ Wireless Audio System

On its own private network, the PeerSound™ Wireless Audio System can send up to 8 channels of audio wirelessly to amplifiers up to 140ft* away. With a rack mountable transmitter, the transmitting antenna can be remote mounted using the supplied 10ft cable. The amplifier can be installed in a drywall cavity hidden by a paintable cover plate, or it can be mounted outside the wall with an optional ADS100-OWK accessory kit. The 25x2 watt amplifier is plenty capable of driving floor standing, book shelf and in-wall speakers. It is also UL2043 Plenum rated for commercial installation options. This Wireless Audio System works with virtually any pre-amp audio source and speaker.

PeerSound Wireless Audio is an industry first, it's the only rack-mountable audio transmission system, allowing you to send amazing-quality sound to any speaker you choose.

GET IT RIGHT™

Additional Features
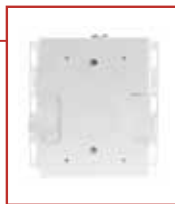
☑ Transmission distance of 140 feet

☑ Eight channels of configurable audio

☑ Rack mountable transmitter

☑ Allows transmitting antenna to be remote mounted with 10ft supplied cable

☑ Creates it's own independent 2.4 GHz WiFi network with adaptive frequency hopping and error correction

☑ 25x2 watt amplifier

☑ Hidden amplifier installation though drywall cavity and a paintable cover plate

☑ Amplifier mounts onto wall with accessory kit

☑ UL2043 Plenum rated amplifier (can be mounted in plenum area)

☑ 48 KHz 16 bit Pro Audio quality sound reproduction

☑ Connects to any audio source with either line and speaker level inputs

☑ Connects to any 8 ohm speaker

☑ FCC, UL 60065, LVD, and UL2043 approved

*Actual distance will be reduced with obstructions between transmitter and receiver modules

HIDDEN AMPLIFIER INSTALLATION THROUGH DRYWALL CAVITY AND A PAINTABLE COVER PLATE
Hides all wires from being visible

RACK MOUNTABLE TRANSMITTER
Integrates into custom AV gear

UL2043 plenum rated amplifier allows for mounting flexibility; can be mounted and secured in plenum areas

Eight line and speaker level inputs (150w) connects to virtually any pre-amp source and is compatible with both mono or stereo outputs

MADE IN USA **EMC/EMI** c(UL)us **RoHS** 2002/95/EC FC CE

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peerless-AV®

Model Numbers

ADS100-B	PeerSound™ Wireless Audio System

Specifications – T8 Transmitter & TX% Receiver Module

SIZE (W x H x D)	17.32" x 1.84" x 6.90" (440 x 47 x 175mm)
RACK HEIGHT	1U
POWER INPUT	120/240 VAC 50/60Hz to supplied AC adaptor (5VDC @ 1000 mW)
LINE LEVEL INPUTS	Qty 8 independent RCA
SPEAKER LEVEL INPUTS	Qty 8 independent, 150 watts max each, 2 pole plug
MOUNTING	Rack or surface
FREQUENCY BAND	2.4 GHz, spread spectrum
WIRELESS DISTANCE	140 ft*
STREAMING	16 Bit, 48 KHz rate with error checking
ADAPTIVE FREQUENCY HOPPING	Yes, 18 channels with 4 active, 14 on trial
LATENCY	42.7 mS
ANTENNA CABLE	RG316D Coax, double shield with reverse thread fittings, 10 ft.
AGENCY APPROVALS	UL60065, CE, LVD, FCC

Specifications – A252 Amplifier & RX% Receiver Module

SIZE (W x H x D)	4.13" x 4.00" x 1.49" (105 x 102 x 38mm)
POWER INPUT	120/240 VAC 50/60Hz direct, 150 watts maximum (with protective ground required)
POWER CONNECTION	2 wire spring hold push in, screw terminal ground, wired or conduit per Electric Code
SPEAKER CONNECTION	Qty 2 – 2 pole screw clamp plug
IMPEDANCE	8 ohm
POWER OUTPUT	25 watts x 2 @ <0.1% THD+N (1 W, 1KHz)
SIGNAL TO NOISE	110 dB (A)
PROTECTION	Over temperature, overload, short circuit, with power cycle reset
MOUNTING	In-wall, On-wall, UL 2043 Plenum area's (with proper UL 2043 accessories)
AGENCY APPROVALS	UL60065, UL2043, CE, LVD, FCC

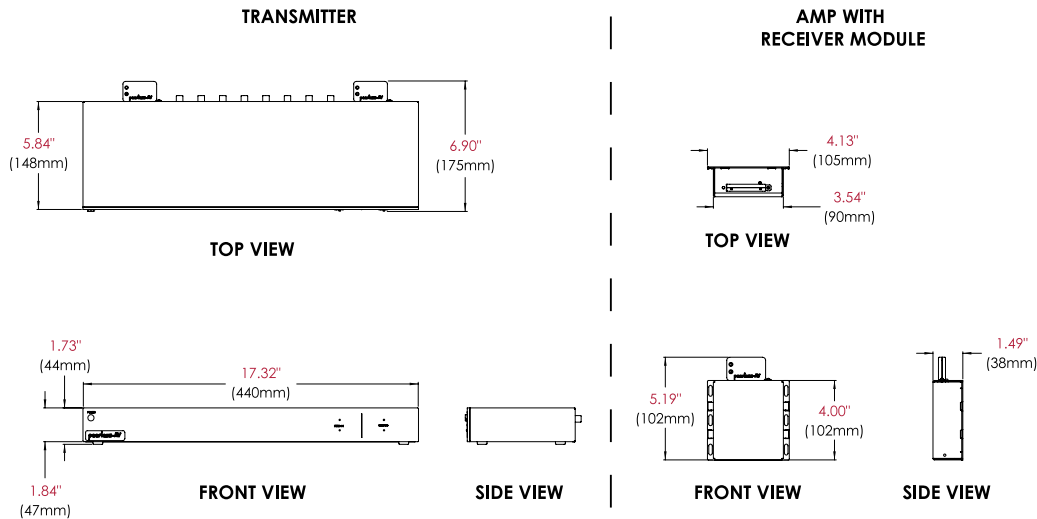*Actual distance will be reduced with obstructions between transmitter and receiver modules

Package Specifications

	PACKAGE SIZE (W x H x D)	PACKAGE SHIP WEIGHT	PACKAGE UPC CODE	PACKAGE CONTENTS	UNITS IN PACKAGE
ADS100-B	24.88" x 8.38" x 6.38" (632 x 213 x 162mm)	8.35lb (3.8kg)	735029298267	Transmitter Head End Transmitter module for Channels 1-4 Transmitter Power Adapter Rack Ears (1) 2 Channel Amplifier Stereo Receiver Module In-Wall Mounting Accessories Instructions	1

Accessories

ADS100-A252:	Amplifer, 25 Watt x 2	ADS100-RXS:	Receiver module, stereo
		ADS100-RXM:	Receiver module, mono
		ADS100-TX58:	Transmitter module, channels 5-8
		ADS100-RAC10:	Remote antenna cable (10ft) and mount
		ADS100-OWK:	On Wall Kit for amplifer
		ADS100-PW:	Plenum rated wiring kit for amplifer

All dimensions = inch (mm)

TRANSMITTER

TOP VIEW
5.84" (148mm)
6.90" (175mm)

FRONT VIEW
1.73" (44mm)
17.32" (440mm)
1.84" (47mm)

SIDE VIEW

AMP WITH RECEIVER MODULE

TOP VIEW
4.13" (105mm)
3.54" (90mm)

FRONT VIEW
5.19" (102mm)
4.00" (102mm)

SIDE VIEW
1.49" (38mm)

Architect Specifications

The PeerSound™ Wireless Audio System shall be a Peerless-AV model ADS100-B and shall be located where indicated on the plans. Assembly and installation shall be done according to instructions provided by the manufacturer.

Visit **peerless-av.com** to see the complete line of AV solutions from Peerless-AV, including outdoor displays, wireless, kiosks, digital audio, display mounts, projector mounts, carts/stands, and a full assortment of accessories.

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