adertech

CTRL-WPB-D

Wall Panel with Dante, Bluetooth and Unbalanced Stereo Audio



User Manual

1. Introduction

ADERTECH CTRL-WPB-D is a wall plate with integrated analog unbalanced stereo audio input, Bluetooth Receiver and Dante Digital Interface which offer high quality audio amplifying for professional and commercial use. The simple and high-tech design makes it suitable for modern building installation. Input interfaces covers the most of application when analog or digital user's source should be connected to the audio system. Thanks to Dante interface the panel could be placed up to 100 meters away from the network switch. There is no need for external power supply since panel has the PoE technology support. No any special software is needed for routing control except standard Audinate Dante Controller Software. Panel housed in the compact and robust metal case for protecting the system components. The mounting process is fast and simple.

2. Features

- Easy Bluetooth and analog stereo audio sources connection
- Long distance digital signal transmission with no loses
- Dante over Ethernet Network
- PoE support, no external power supplies is needed

3. Package Contents

1x Dante Bluetooth Wall
Panel 1x Fixing set
1x Quick Start Guide

4. Unit's interfaces

4.1 Front and Rear Panel



The front panel of the panel is equipped with RCA connectors and Bluetooth Control button with status indicator.

N	Function
1	Bluetooth button and indicator, press to switch to Bluetooth Mode
2	2x RCA connectors, connect to analog stereo source
3	1x RJ45 connector, connect to LAN network with PoE
4	2x screw holes, use it to fix wall panel

4.2 Connecting and Operation

The installation and usage are pretty simple. Prepare the mount place and connect CAT cable to a network switch with PoE support and the wall panel rear RJ45 connector.
Mount the panel and fix it on the wall using included accessories.
Connect analog source using RCA or RCA to miniJack 3.5mm cable to the source equipment.
Search the Bluetooth receiver in case if you are going to use Bluetooth port.
Press the Bluetooth button to switch between inputs.
Use Dante Controller Software to route signal from the panel to a corresponding preamp, mixer, DSP, amplifier or active Dante Speaker. The ADERTECH offers wide range of professional audio and video solutions.

5. Best Practice

ADERTECH engineers design products at the highest quality standards. To get the best results and maximum performance from our products, please read this manual carefully. We recommend using high quality connectors, cables, and adapters only. Consider the points below when you choose accessories and position equipment.

6. Safety Instructions

WARNING: To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. Do not use this device near water. Clean only with a dry cloth.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the device. This unit must be connected to an earthed mains socket outlet with the supplied cable. The AC wall outlet should be installed near to the unit and be easily accessible.
If using cables or extenders which run a long distance, the protective earth circuit of the socket should be verified by a skilled person to ensure equipotential earth bonding. Do not use unit on objects or installations where power lines have grounding and/or different phase issues.
Unplug units during lightning storms or when unused for long periods of time.
Do not install unit near any heat sources such as radiators, heat registers, stoves, or devices (including amplifiers) that produce heat. Do not block any ventilation openings. This unit uses active cooling with fans. Do not install unit in dusty and/or dirty places. Use professional equipment racks with air condition and filters.

7. Warranty Information

ADERTECH warrants all units to be free from defects in workmanship and materials, under normal use and service, for a period of three (3) years from the date of purchasing from authorized reseller.
If a product does not work as it warranted during this period, ADERTECH will repair or replace the defective product or its part. Replacement products may be new or reconditioned.

Warranty ends if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or servicing other than by ADERTECH or its authorized centers, causes other than from ordinary use or failure to properly use the Product in the application for which said Product is intended.

8. Specifications

SKU	CTRL-WPB-D
Type	Dante Wall Panel
Frequency Response	20Hz – 20KHz
Interfaces	
Inputs	
Analog	2x RCA, analog stereo audio, unbalanced
Digital	Bluetooth Version 5.0, Class 2
Outputs	1x RJ45, Dante UltimoX2, 2x2
Control	
Local	Front Panel Button with LED Status
Indication	Bluetooth
Remote	Dante Controller Software
Electrically	
Power Consumption	5W
Power Supply	PoE, IEEE 802.3af, Class 0
Mechanical	
Housing	Metal Enclosure
Color	Light Grey
Dimensions (HxWxD)	86 x 86 x 40 mm
Weight	0.2 kg
Environments	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C
Relative Humidity	10%~90% RH (non-condensing)

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