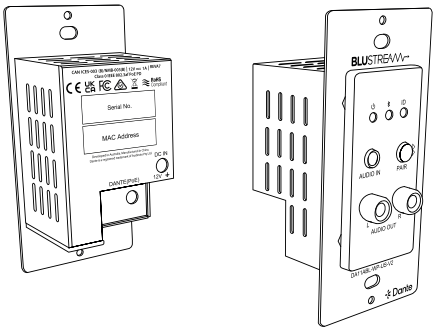
DA11ABL-WP-US-V2

Quick Reference Guide



Introduction

The DA11ABL-WP-US-V2 is a multi-input / output wall plate to convert Bluetooth and analog audio within a digital Dante® networked audio system. The DA11ABL-WP-US-V2 converts 2 input channels of Bluetooth or unbalanced audio to Dante® digital audio, and 2 channels of Dante® audio to 2 x output channels of unbalanced audio.

The DA11ABL-WP-US-V2 is a plug & play device that is powered using PoE (Power over Ethernet), or via 12V power supply, offers support for AES67 RTP audio transport and magnetic faceplate design allows installation into most single-gang US junction boxes. The DA11ABL-WP-US-V2 is the ideal BYOD interface to allow any Bluetooth device to stream audio wirelessly to a Dante® audio system.

FEATURES:

- Dante® network wall plate interface for Bluetooth and analog L/R audio inputs, and L/R audio outputs
- Converts 2ch Bluetooth, or un-balanced audio sources to Dante® audio
- Converts 2x Dante® audio channels to un-balanced audio outputs
- Adjustable input sensitivity from +24dBu to -28dBV and output gain from +20dBu to -28 dBV via web GUI or API
- Dante® Audio Supports 44.1, 48, 88.2 & 96 KHz sample rates @ 16, 24 & 32 Bit
- Configurable Dante® device latency (supports 2, 3, 4, 5 or 10ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Features Class 0 IEEE 802.3af PoE for powering of product from any PoE switch
- Supports power via 12V DC adapter (not included) for when network switch does not support PoE
- White magnetic faceplate surround and US Decora style backbox compatibility
- In-built web-GUI for configuration and control

Bluetooth

Bluetooth 5.0 technology allows for up to 2x simultaneous connections from source audio devices, where the selected devices audio is received and sent into the Dante network.

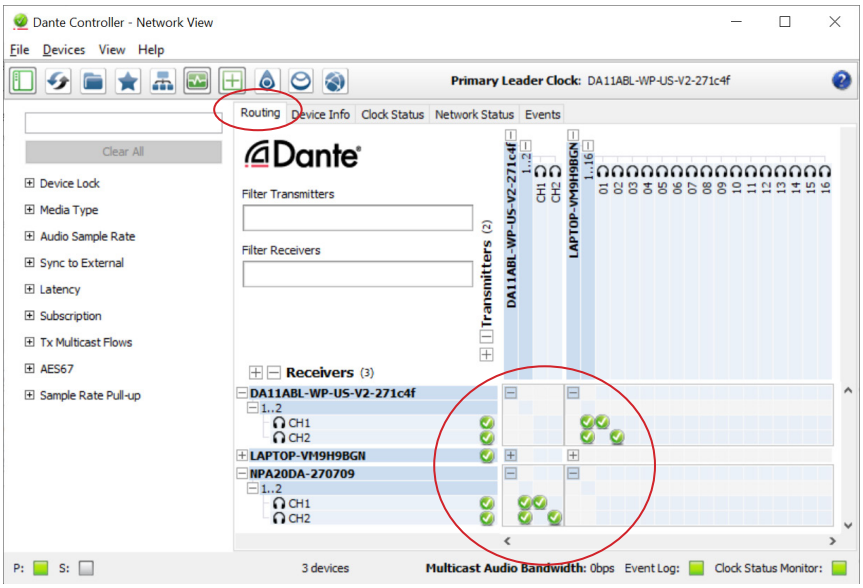
To connect a Bluetooth enabled device to the DA11ABL-WP-V2, press the Pair button on the unit, go to the Bluetooth settings of the source audio device, and enable Bluetooth connectivity. The DA11ABL-WP-US-V2 will appear in the list of available devices.

Dante Controller

Dante Controller software is required in order to setup and configure the DA11ABL-WP-US-V2 as well as control your Dante network. Audinate provide extensive training videos and documentation on their website. This can be found here: http://www.audinate.com/products/software/dante-controller

Upon connecting your DA11ABL-WP-US-V2 to a compatible network, the Dante Controller software should automatically discover the device. The DA11ABL-WP-US-V2 will appear in the Dante Controller with a name denoted with “DA11ABL-WP-US-V2”. On the “Routing” screen you can create audio routing between Dante transmitters and receivers in your system.

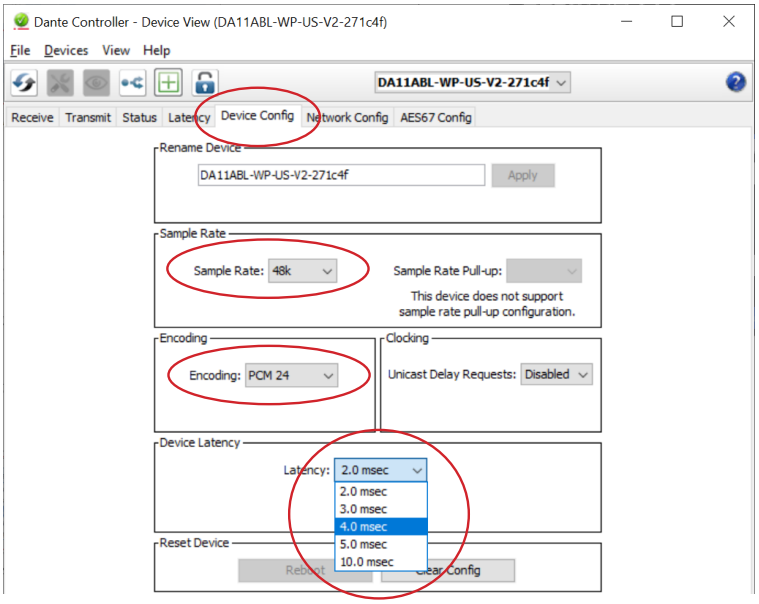
Please ensure the PC is on the same network as the Dante devices. Dante is not able to transmit over WiFi and it is recommended to hardwire into the Dante network. Having multiple network devices enabled can also confuse the Dante Controller software so it is recommended to disable WiFi during configuration.



It is also possible to change the settings of the DA11ABL-WP-US-V2 under the “Device Info” screen in the Dante Controller software. To do so, select the “Device Config” menu.

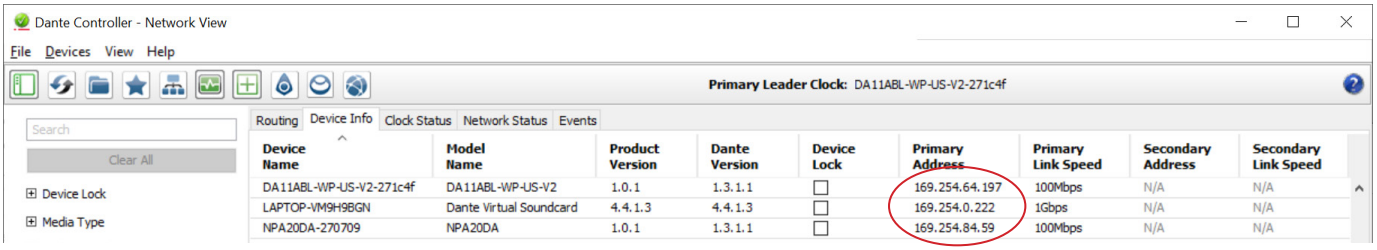
Here we can adjust the sample rate and the encoding bit rate of the DA11ABL-WP-US-V2. Please note that Dante products can only transmit or receive audio from other Dante products that are set up with the same sample rate. A mismatch in sample rate may stop audio from transmitting.

Under the “Device Config” screen we can also adjust the latency of the DA11ABL-WP-US-V2 from 2, 3, 4, 5 or 10 milliseconds.



Web Interface Module

The DA11ABL-WP-US-V2 features an in-built Web GUI which can be used for control and configuration of the device. By default the device is set to DHCP, however if a DHCP server (eg: network router) is not installed the device will receive a link local address in the 169.254.xxx.xxx range. The device info screen of Dante Controller will provide you with the IP address information of each unit.

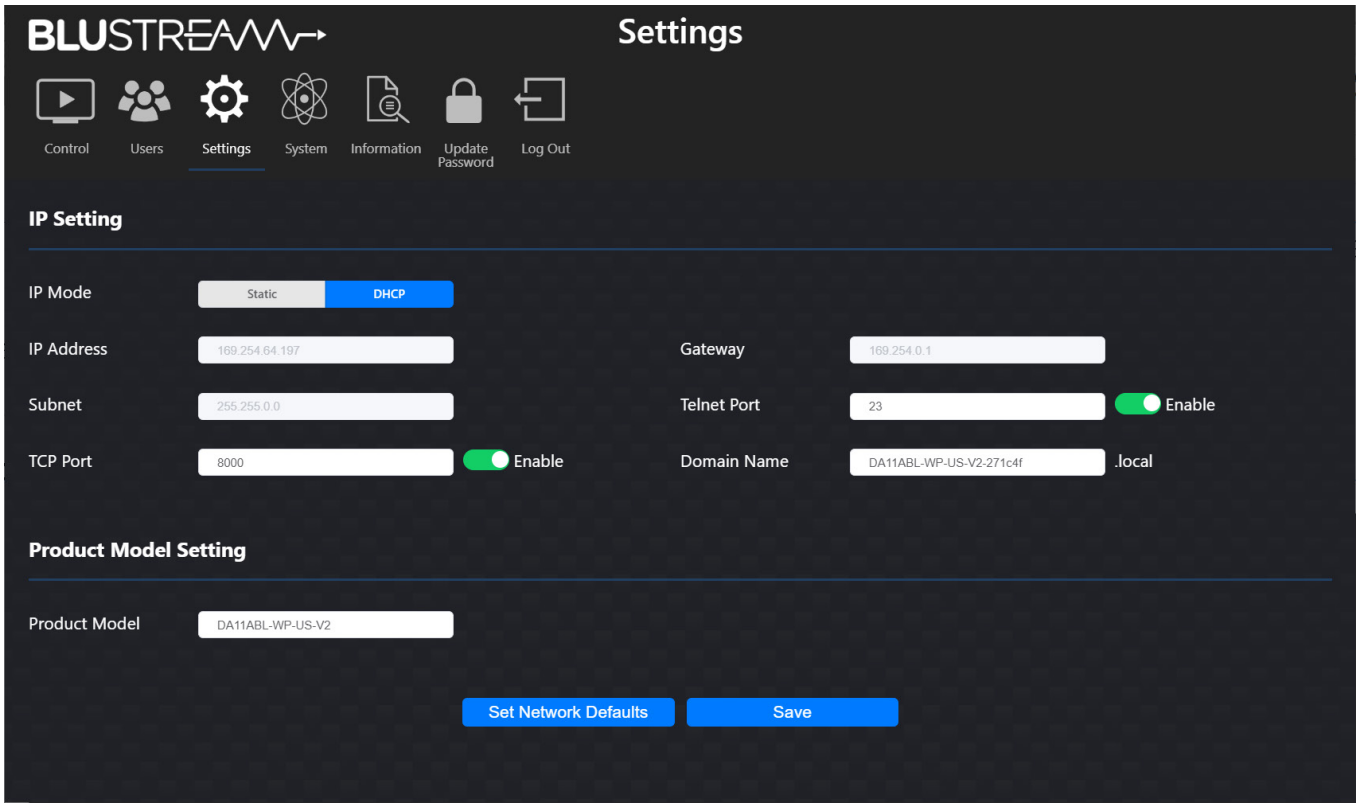


By accessing the IP address of the DA11ABL-WP-US-V2 in your web browser, you will gain access the units web GUI. The following details will allow you to log in to the admin section:

Default **Username** is: blustream Default **Password** is: 1234

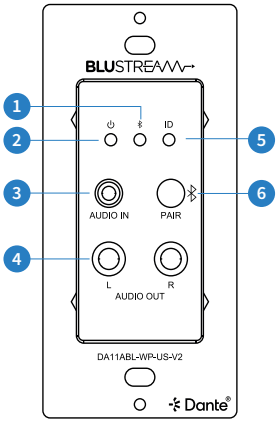
This will give access to change the network settings as required, as well as configure the device.

Settings Page:

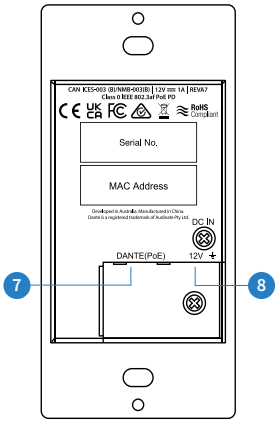


Connections

1. Bluetooth LED - Illuminates when a Bluetooth connection is active
2. Power LED - Illuminates when the DA11ABL-WP-US-V2 is powered on
3. Audio In - Analog audio 3.5mm L/R stereo input jack. Connect to analog audio souce device for audio input
4. Audio Out - Analog audio RCA L/R output. Connect to analog audio amplifier for audio output
5. ID LED - Flashes to assist in identification of the device, vcntrolled via control software or Dante Controller
6. Bluetooth Pair Button - Press to activate Bluetooth Pairing mode. Press and hold for 3 seconds to disconnect Bluetooth devices. Press 2 times in quick succession to select audio input. Note settings can be adjusted via control software
7. Dante® (PoE) Port - RJ45 connector supporting PoE, connects to Dante® audio network
8. DC Input - Connect to +12VDC power supply (not supplied) if device is not powered via a PoE switch



Front Panel



Rear Panel

Specifications

Audio Input Connections: 1 x Analog Left / Right audio (3.5mm stereo jack)
Audio Output Connections: 2x Analog RCA (Left / Right)
Network Connection: 1 x PoE Dante® Ethernet Connection (RJ45)
Bluetooth: Bluetooth V5.0 - SBC / MP3 / AAC / APT-X / APTX-LL / APTX-HD, 44.1K-48KHz 16 / 24Bit
Module Dimensions (W x H x D): 50mm x 104mm x 48mm (without faceplate)
Faceplate Dimensions (W x H x D): 70mm x 155mm x 5mm
Cut Out Dimensions (W x H x D): 46mm x 56mm x 39mm
Mounting Hole Spacing: US 83mm CTC
Backbox Requirements: US single gang junction box
Shipping Weight: 0.42 Kg
Operating Temperature: 32°F to 104°F (0°C to 40°C)
Storage Temperature: - 4°F to 140°F (- 20°C to 60°C)
Power Supply: Class 0 IEEE 802.3af PoE or 12v/1A DC 2-Pin Phoenix connector

Package Contents

- 1 x DA11ABL-WP-US-V2
- 1 x Magnetic Faceplate
- 1 x Quick Reference Guide

Acknowledgements

Dante® is a registered trademark of Audinate Pty Ltd.

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

CAUTION - changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADA, INDUSTRY CANADA (IC) NOTICES

This Class B digital apparatus complies with Canadian ICES-003.Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CORRECT DISPOSAL OF THIS PRODUCT

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.