



BLUSTREAM DA11ABL-WP-US Dante Bluetooth Audio Encoder User Guide

[Home](#) » [BLUSTREAM](#) » BLUSTREAM DA11ABL-WP-US Dante Bluetooth Audio Encoder User Guide 

Contents

- [1 BLUSTREAM DA11ABL-WP-US Dante Bluetooth Audio Encoder](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Introduction](#)
- [5 FEATURES](#)
- [6 Panel](#)
- [7 Connections](#)
- [8 Bluetooth](#)
- [9 Dante Controller](#)
- [10 Advanced Dante Setting](#)
- [11 Specifications](#)
- [12 Package Contents](#)
- [13 Certifications](#)
- [14 Documents / Resources](#)
 - [14.1 References](#)
- [15 Related Posts](#)



BLUSTREAM DA11ABL-WP-US Dante Bluetooth Audio Encoder



Product Information

Specifications

- Model: DA11ABL-WP-US
- Contact: support@blustream.com.au | support@blustream-us.com | support@blustream.co.uk

Introduction

The DA11ABL-WP-US is a device that allows you to set up and configure a Dante network. It provides audio routing capabilities between Dante transmitters and receivers in your system.

Features

- Front Panel with various controls
- Rear Panel with multiple ports
- Bluetooth capability
- Dante Controller software for setup and configuration
- Advanced Dante settings for network configuration

Product Usage Instructions

Setting up the Dante Network

1. Connect your DA11ABL-WP-US to a compatible network.
2. Download and install the Dante Controller software from Audinate's website (<http://www.audinate.com/products/software/dante-controller>).
3. Ensure that your PC is on the same network as your Dante devices. It is recommended to hardwire into the Dante network and disable WiFi during configuration.
4. Open the Dante Controller software. The software should automatically discover the DA11ABL-WP-US device.

5. In the Dante Controller software, navigate to the Routing screen to create audio routing between Dante transmitters and receivers in your system.

Advanced Dante Settings

1. To change the IP Address of the DA11ABL-WP-US, open the Dante Controller software and go to the Device Info screen. Enter the Network Config menu to modify the IP Address.
2. Under the Device Config menu in the Dante Controller software, you can adjust the sample rate of the DA11ABL-WP-US. Ensure that all Dante products in your system have the same sample rate for proper audio transmission.
3. In the Device Config menu, you can also adjust the latency of the DA11ABL-WP-US from 1, 2, or 5 milliseconds.

FAQ

- Q: How can I change the IP Address of the DA11ABL-WP-US?
A: To change the IP Address, open the Dante Controller software, go to the Device Info screen, and enter the Network Config menu.
- Q: Can I use WiFi for Dante transmission?
A: No, it is recommended to hardwire into the Dante network as WiFi is not supported for Dante transmission.
- Q: What should I do if there is a sample rate mismatch?
A: Ensure that all Dante products in your system are set up with the same sample rate for proper audio transmission.
- Q: How do I adjust the latency of the DA11ABL-WP-US?
A: In the Device Config menu of the Dante Controller software, you can adjust the latency to 1, 2, or 5 milliseconds.

Introduction

The DA11ABL-WP-US is a multi-input / output wall plate to convert Bluetooth and analog audio within a digital Dante® networked audio system. The DA11ABL-WP-US 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 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 is the ideal BYOD interface to allow any Bluetooth device to stream audio wirelessly to a Dante® audio system.

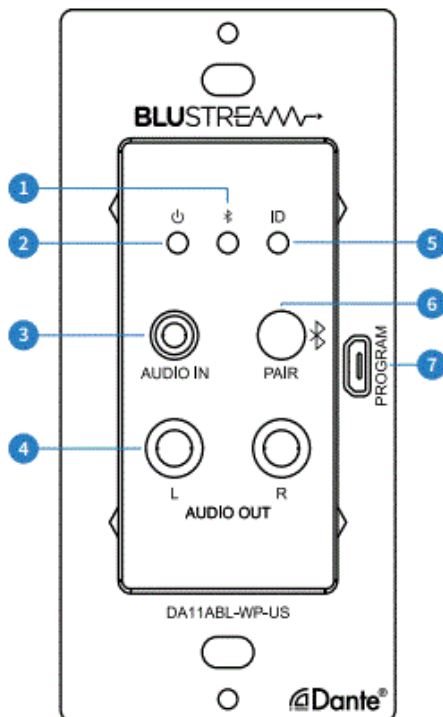
FEATURES

- Dante® network wall plate interface for Bluetooth and analog L/R audio inputs, and L/R audio outputs
- Converts 2ch Bluetooth, or unbalanced audio sources to Dante® audio
- Converts 2x Dante® audio channels to un-balanced audio outputs
- Adjustable input sensitivity from +24dBu to -28dBV via control software
- Adjustable output gain from +20dBu to -28 dBV via control software
- Supports: 44.1, 48 & 96kHz sample rates @ 16, 24 or 32 Bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)

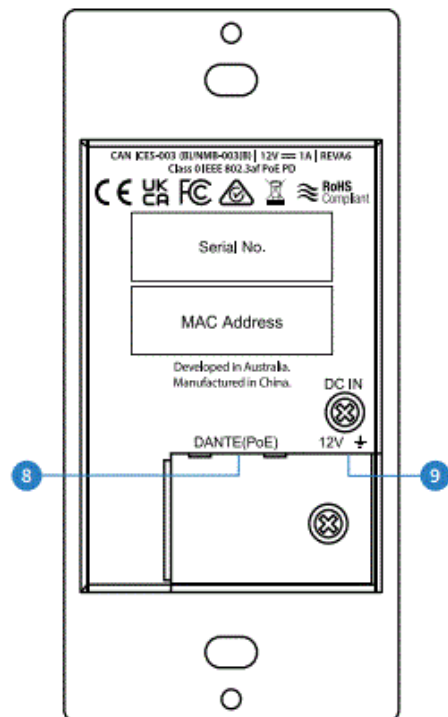
- Supports AES67 RTP audio transport
- features Class 0 IEEE 802.3af PoE for powering of product from any PoE switch
- Supports power via 12v DC adapter (not included) for when the network switch does not support PoE
- Magnetic faceplate surround and US Decora style backbox compatibility

Panel

Front Panel



Rear Panel



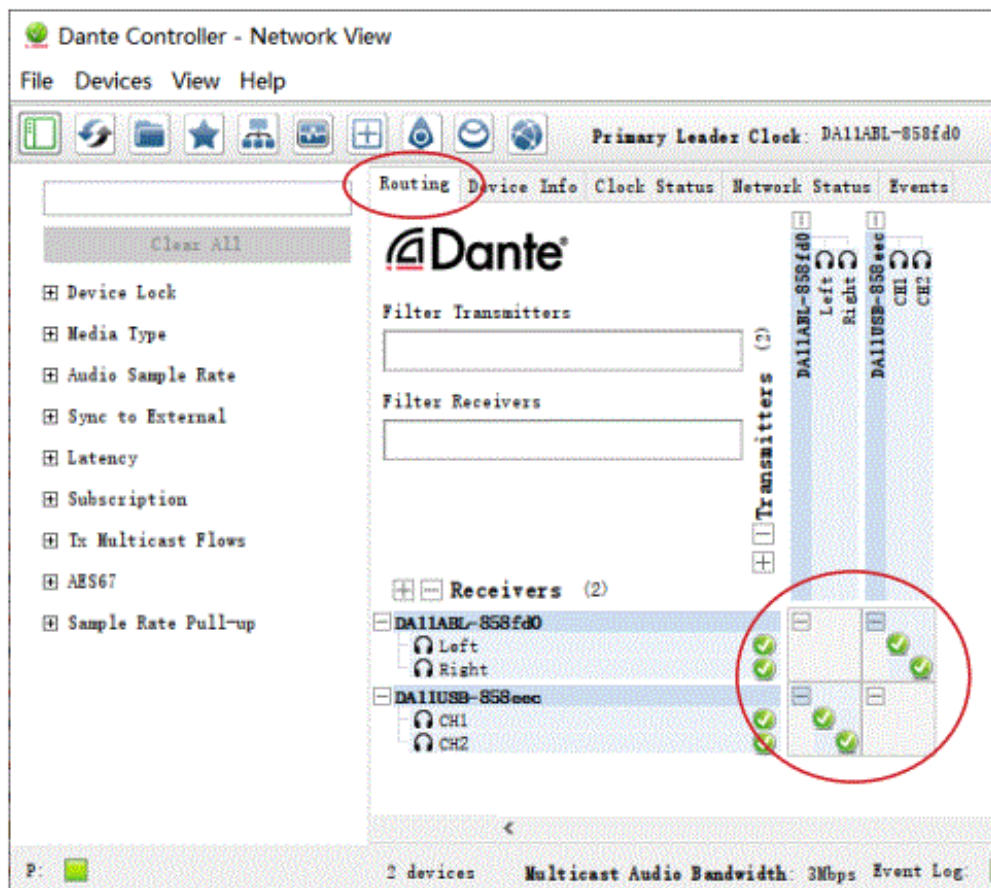
Connections

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

Bluetooth

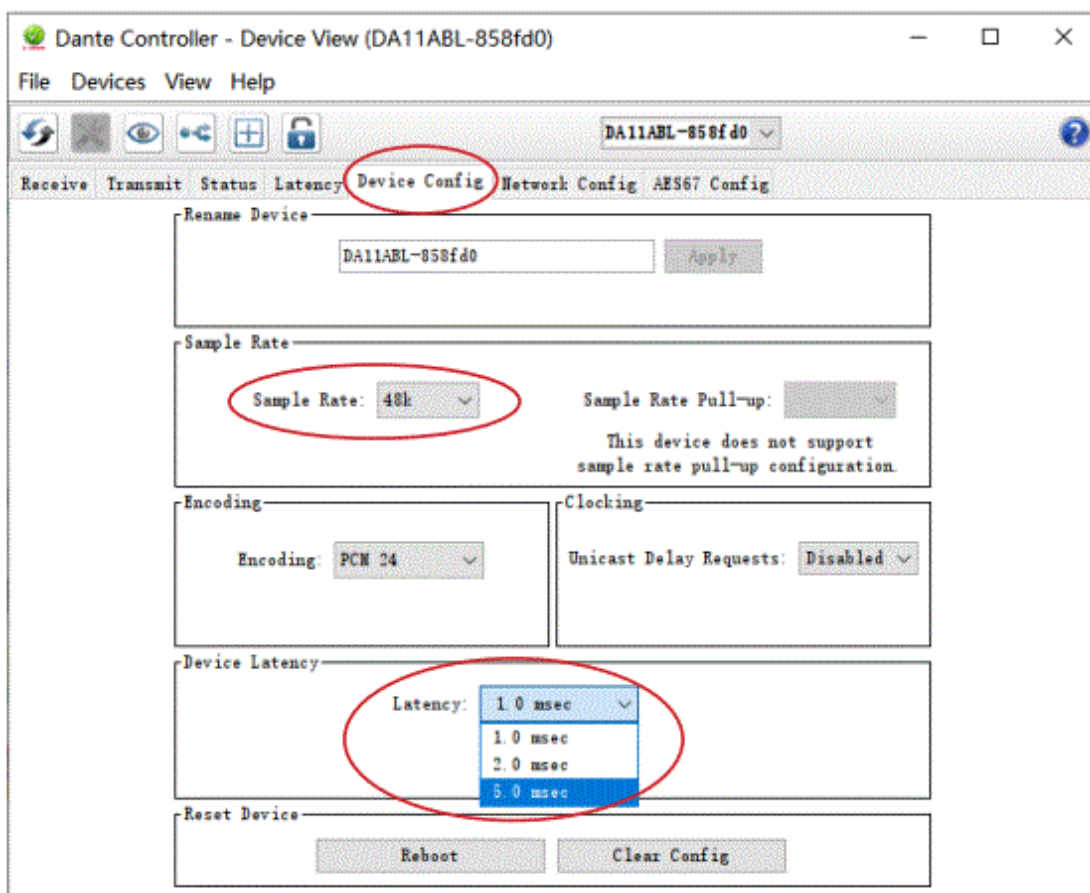
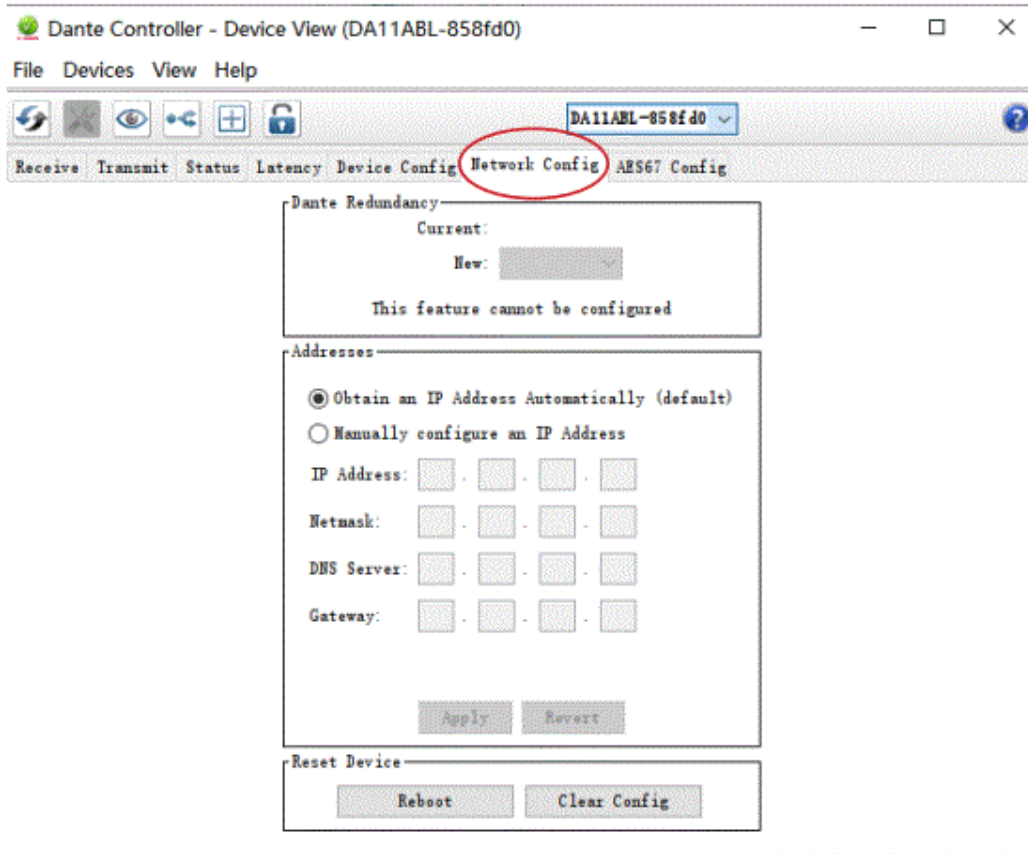
- Bluetooth 5.0 technology allows for 2x simultaneous connections from source audio devices, where the selected devices' audio is received and sent into the Dante network.
- To connect a Bluetooth-enabled device to the DA11ABL-WP, tap the Pair button on the unit and the Bluetooth LED will flash, go to the Bluetooth settings of the source audio device, and enable Bluetooth connectivity. The DA11ABL-WP will appear in the list of available devices. The Bluetooth LED will turn solid when a device is paired.
- To remove any paired devices from the unit, press and hold the Pair button for 5 seconds. The LED will turn off when devices are up-paired.

Dante Controller



- Dante Controller software is required in order to set up and configure the DA11ABL-WP-US as well as control your Dante network. Audi 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 to a compatible network, the Dante Controller software should automatically discover the device. The DA11ABL-WP-US will appear in the Dante Controller with a name denoted with "DA11ABL-WP". On the "Routing" screen you can create audio routing between Dante transmitters and receivers in your system.
- Please ensure your PC is on the same network as your 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.

Advanced Dante Setting



- By default, the DA11ABL-WP-US is shipped with its network settings set to obtain an IP Address automatically. This means that if a DHCP server is present on your network, it will provide the DA11ABL-WP-US with an IP Address. If no DHCP server is present then the DA11ABL-WP-US will receive a default IP Address in the 169.254.xxx.xxx range. To change the IP Address of the DA11ABL-WP-US, you must enter the "Network

Config” menu in the “Device Info” screen of the Dante Controller software.

- It is also possible to change the settings of the DA11ABL-WP-US 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 of the DA11ABL-WP-US. 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 from 1, 2 or 5 milliseconds.

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, 44.1- 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
- 1 x Magnetic Faceplate
- 1 x Quick Reference Guide

Acknowledgments

Dante® is a registered trademark of Audinate Pty Ltd.

Certifications

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, according 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 per 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 the receiver.
- Connect the equipment to 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 of 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.

RF EXPOSURE

To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with a minimum distance between 20cm the radiator your body: Use only the supplied antenna.


CANADA, INDUSTRY CANADA (IC) NOTICES

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s license-exempt RSS(s). Operation is subject to the following two conditions:





- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.
- This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

www.blustream.com.au | www.blustream-us.com | www.blustream.co.uk

Documents / Resources

	<p>BLUSTREAM DA11ABL-WP-US Dante Bluetooth Audio Encoder [pdf] User Guide DA11ABL-WP-US Dante Bluetooth Audio Encoder, DA11ABL-WP-US, Dante Bluetooth Audio Encoder, Bluetooth Audio Encoder, Audio Encoder, Encoder</p>
---	--

References

-  [Register a .US.COM domain today!](#)
-  [Audinate - Maker of Dante, Pro AV's Leading Networking Technology](#)
-  [blustream-us.com](#)
-  [blustream.co.uk](#)
- [User Manual](#)