

User manual DConBT

NEWHANK
QUALITY AV PRODUCTS



This 2x2 Bluetooth converter brings wireless audio flexibility to any Dante installation. DConBT offers a host of control features, including call pickup, reject, music player control, and customizable pairing button behavior. Additionally, users can define the Bluetooth radio name to personalize their wireless audio experience. Like its counterparts, DConBT is API-enabled for easy integration with third-party applications.

After connecting the unit to your network with Power over Ethernet supplied the unit should be visible and patchable in Dante Controller.

Dante Controller can be downloaded from the Audinate Dante website:

www.getdante.com

Dante Controller - Network View

File Devices View Help

Primary Leader Clock: DConBT-8b4cff

Routing Device Info Clock Status Network Status Events

Filter Transmitters

Filter Receivers

Transmitters (6)

| Device | DConBT-8b4cff | DConBT-8b5422 | DConBT-8b5c19 | DConXi-8b5ac8 | DConXi-8b5b35 | DConXi-8b5b48 |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| DConBT-8b4cff | 1 2 | | | | | |
| DConBT-8b5422 | | | | | | |
| DConBT-8b5c19 | | | | | | |
| DConXo-8b4d16 | 1 2 | | | | | |

Receivers (4)

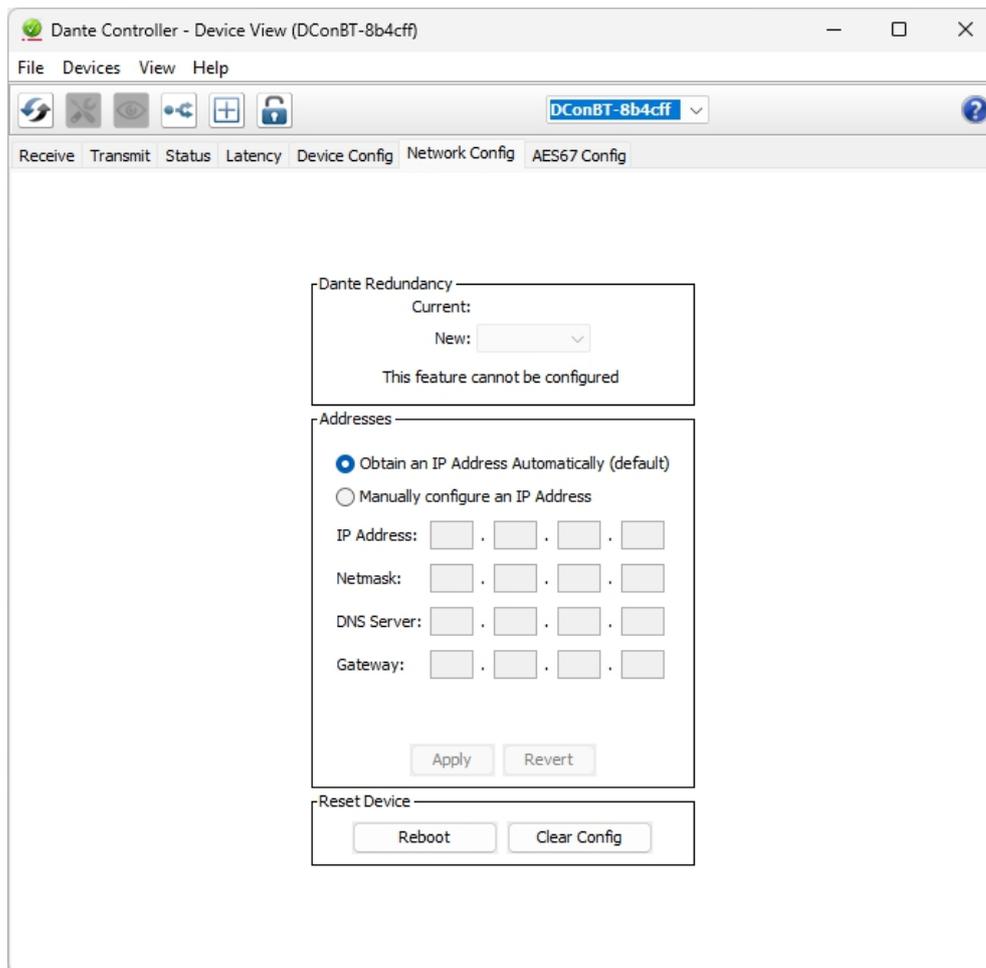
| Device | DConBT-8b4cff | DConBT-8b5422 | DConBT-8b5c19 | DConXo-8b4d16 |
|---------------|---------------|---------------|---------------|---------------|
| DConBT-8b4cff | 1 2 | | | |
| DConBT-8b5422 | | | | |
| DConBT-8b5c19 | | | | |
| DConXo-8b4d16 | 1 2 | | | |

P: ■ 7 devices Multicast Audio Bandwidth: 0bps Event Log: ■ Clock Status Monitor: ■

IP Settings

IP Settings are made in Dante Controller.

1. Double click a device in the matrix or press Ctrl+D on your keyboard to open Device View.
2. Select the Dante device you wish to edit and navigate to the Network Config tab.



For other Dante related settings please refer to the information supplied by Audinate. Completing Dante training and certification is highly recommended to set up and work with Dante audio-over-network installations.

Status LEDs and pair button

- In unpaired state, with Auto Connect disabled and Pair button enabled (see features on page 4), the red LED(1) will be lit. When the button(3) is pressed for one second, the red LED will turn off, and the blue LED(2) will start blinking until a client is connected. The pairing mode can be canceled by pressing the button again.
- If a client is paired, the blue LED will remain steadily lit and pressing the button disconnects the current client. Press a second time to enable pair mode again.
- In Auto Connect mode, the red LED stays lit while the device is available.



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DConFigure

DConFigure is a powerful, easy-to-use software tool that allows integrators to manage and configure all DCon devices in a network from a central location. This free software enables the streamlined setup of multiple DCon panels connected to the same network, ensuring that large-scale installations can be managed efficiently and with minimal effort.

Simply open the program, select the used subnet and press Scan Network for an inventory of available devices.

Select the device to be configured to display its current settings and change parameters.

The screenshot displays the NewHank DConFigure application window. On the left, a 'Select Subnet:' dropdown menu is set to '192.168.1', with a 'Scan Network' button below it. A table lists the scan results:

| IP Address | Model | Device Number |
|---------------|--------|---------------|
| 192.168.1.19 | DConBT | 7 |
| 192.168.1.22 | DConXi | 4 |
| 192.168.1.38 | DConXi | 1 |
| 192.168.1.87 | DConBT | 8 |
| 192.168.1.196 | DConBT | 3 |
| 192.168.1.252 | DConXi | 6 |

At the bottom of the window, a status bar reads 'Scan complete, 6 devices found.' with a green progress bar.

The right side of the window shows the configuration panel for the selected device 'DConBT - 192.168.1.19'. It includes:

- Device Number: 7 (dropdown) with a 'Save' button.
- Call Functions: 'Answer' and 'Reject' buttons.
- Call Status: Idle.
- Volume Control: 'Volume +' and 'Volume -' buttons.
- Player Control: 'Play', 'Pause', 'Previous', and 'Next' buttons.
- Streaming: A progress bar.
- Utility Functions: 'Pair' and 'Disconnect' buttons.
- Paired: A progress bar and 'To: NC'.
- Settings: 'Enable LED' (checked), 'Auto Connect' (unchecked), 'Hide Radio' (unchecked), and 'Enable Pair Button' (checked).
- Bluetooth SSID: 'DConBT2' (text input) with a 'Save' button.
- Pin Code: '0000' (text input) with a 'Save' button.
- 'Enable Pin Code' (unchecked).
- Configuration: 'Export' and 'Import' buttons.

Functions

| | |
|--------------------|--|
| Device number | User definable device number for use with 3rd party control systems that cannot distinguish UDP messages based on IP address. |
| Call Functions | Answer or reject / end call on client device. |
| Call Status | Status of call: Idle, Incoming, Calling, Outgoing. |
| Volume Control | Volume increase or decrease on client device. |
| Player Control | Play, Pauze, Next or Previous track control on client device. |
| Streaming | Status indicator wheter client device is curently transmitting audio. |
| Utility functions | |
| Pair | Enable or disable pairing mode, a software version of the pair button. |
| Disconnect | Disconnect any connected client. |
| Paired | Status wheter a client is paired, and to which client name. |
| Settings | |
| Enable LED | Enable or disable the LED on the frontpanel of the hardware. |
| Auto Connect | If selected, users do not need to set the device to pairing mode by pressing the pair know or triggering the software pair button. |
| Hide Radio | For use with Auto Connect mode, if enabled only previously connected clients can connect as they have the device in their device list. |
| Enable Pair Button | Enable or disable the hardware pair button. |
| Bluetooth SSID | User definable radio name broadcasted for clients to find the device. |
| Pin Code | User definable pin code for connecting to the device. |
| Enable Pin Code | Enable or disable the use of the pin code. |
| Configurations | |
| Export | Export current setting to a file for backup or import to another device. |
| Import | Import a previously exported file and apply settings to the current device. |
| | Note: Only relevant settings are being applied: LED mode, Connection mode, Radio hide, Pair button, Bluetooth SSID and Pin Code. |

Third-party party API

For flexible integration with various third-party control systems, a UDP API is provided. DCon listens on UDP port 1119 for incoming ASCII messages and responds to the return port specified by the client.

The syntax for UDP commands is:

<Operator><Space><Command>[<Space>Optional parameter]<Carriage return>

How to send the carriage return depends on the third-party client software; for our examples, we will use '\r' in this document.

DCon sends responses with the following syntax:

<Status message indicator><Device number><Variable><Parameter><Carriage return>

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Commands:

| | Operator | Cmd. | Parameter | Example | Response |
|------------------------|----------|------|---|----------------|---------------------------|
| Device number | GET | DN | | GET DN\r | ST DN 4\r |
| | SET | DN | 0-999 | SET DN 15\r | ST DN 15\r |
| Pairing mode | GET | PM | | GET PM\r | ST DN8 PM 0\r |
| | SET | PM | 0=off; 1= on | SET PM 1\r | ST DN0 PM 1\r |
| Host connection status | GET | CO | | GET CO\r | ST DN1 CO 1\r |
| Paired client name | GET | PN | | GET PN\r | ST DN1 PN iPhone-Henk\r |
| Call Status | GET | CA | | GET CA\r | ST DN3 CA 0\r |
| | | | 0=Idle; 1=Incoming call; 2=Calling; 3=Outgoing call | | |
| Streaming status | GET | SS | | GET SS\r | ST DN17 SS 0\r |
| Auto connect disable | GET | CM | | GET CM\r | ST DN2 CM 1\r |
| | SET | CM | 0=off; 1= on | SET CM 0\r | ST DN2 CM 0\r |
| Pin code enable | GET | PE | | GET PE\r | ST DN5 PE 0\r |
| | SET | PE | 0=off; 1= on | SET PE 1\r | ST DN5 PE 1\r |
| Pin code | GET | PC | | GET PC\r | ST DN5 PC 1234\r |
| | SET | PC | 0000-9999 | SET PC 0000\r | ST DN5 PC 0000\r |
| Pair button enable | GET | PB | | GET PB\r | ST DN92 PB 1\r |
| | SET | PB | 0=off; 1= on | SET PB 0\r | ST DN92 PB 0\r |
| LED enable | GET | LM | | GET LM\r | ST DN122 LM 1\r |
| | SET | LM | 0=off; 1= on | SET LM 0\r | ST DN122 LM 0\r |
| Bluetooth SSID | GET | BS | | GET BS\r | ST DN3 BS DCon\r |
| | SET | BS | Variable text | SET BS Room1\r | ST DN3 BS Room1\r |
| Hide radio enable | GET | BH | | GET BH\r | ST DN27 BH 0\r |
| | SET | BH | 0=off; 1= on | SET BH 1\r | ST DN27 BH 1\r |
| All status | GET | ALL | | GET ALL\r | ST DN4 PM 0\r ST DN4 C... |
| Answer call | SET | AC | | SET AC\r | ST DN14 AC OK\r |
| Reject / hangup call | SET | RC | | SET RC\r | ST DN14 RC OK\r |
| Volume up | SET | VUP | | SET VUP\r | ST DN14 VUP OK\r |
| Volume down | SET | VDN | | SET VDN\r | ST DN14 VDN OK\r |
| Play | SET | PLY | | SET PLY\r | ST DN14 PLY OK\r |
| Pause / stop | SET | PZ | | SET PZ\r | ST DN14 PZ OK\r |
| Previous track | SET | PRV | | SET PRV\r | ST DN14 PRV OK\r |
| Next track | SET | NXT | | SET NXT\r | ST DN14 NXT OK\r |

For latest product information, visit our website:

www.newhank.com