User manual
DConXi

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-·⊱ Dante®

This two-channel XLR input panel converts analog audio to Dante. Each input is equipped with an adjustable preamp that offers up to 42dB of amplification plus -100 to +27dB digital gain, along with switchable Phantom Power for handling microphones and other audio sources with precision. DConXi also provides an API for integration with third-party control systems, making it an ideal choice for customized installations.

After connecting the unit to your network with Power over Ethernet supplied the unit should be visible and patchable in Dante Controller.
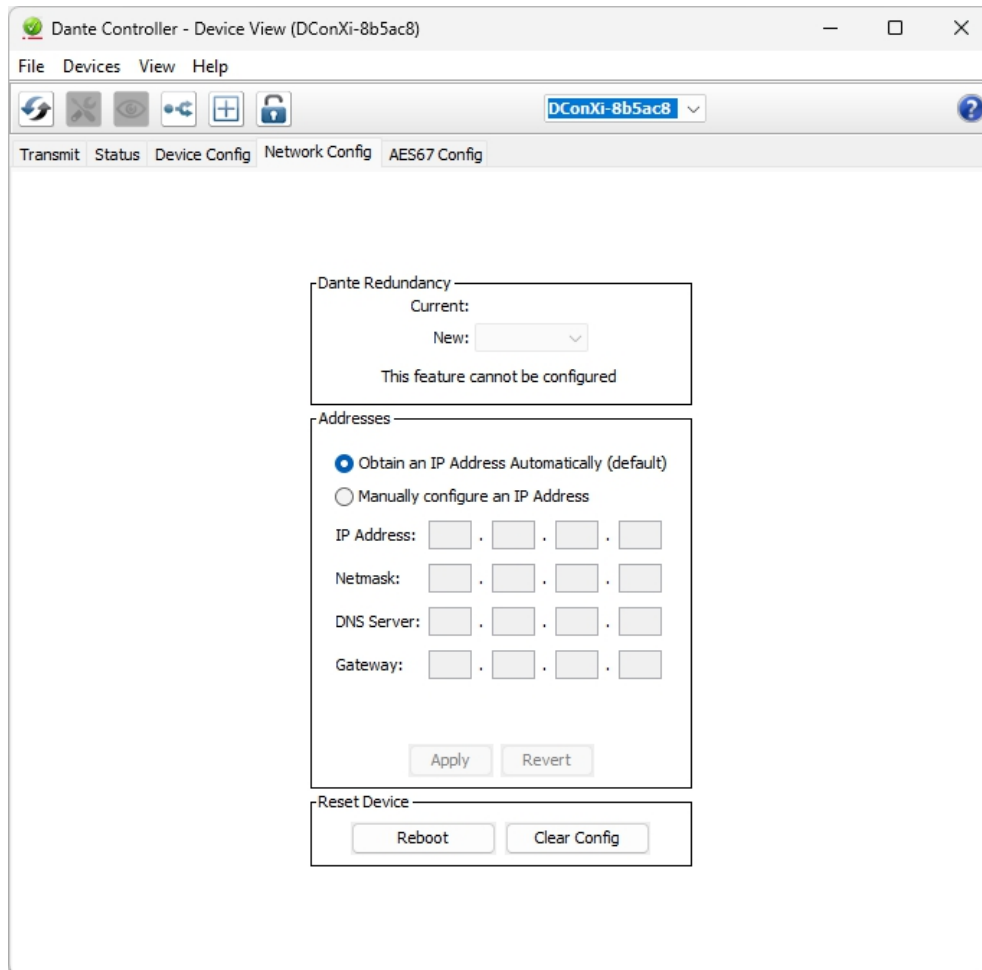Dante Controller can be downloaded from the Audinate Dante website:
www.getdante.com

User manual
DConXi
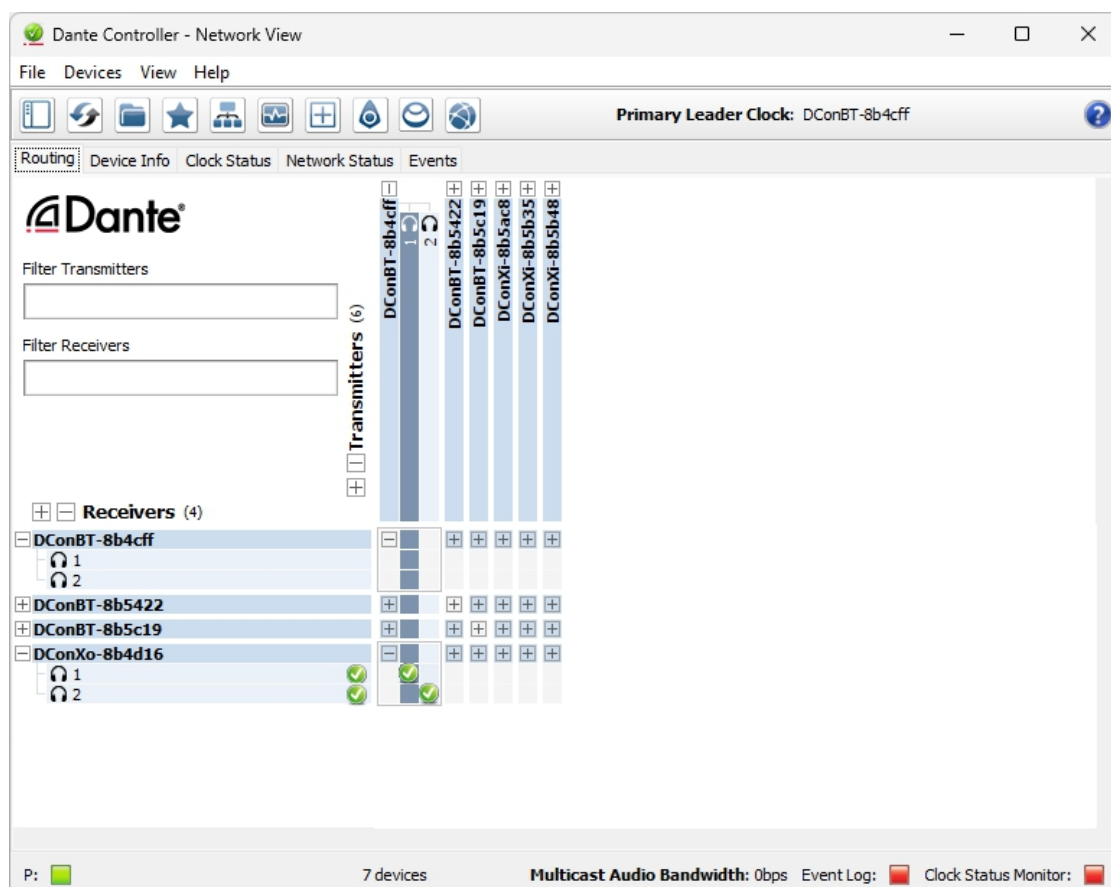
IP Settings
IP Settings are made in Dante Controller.
1. Double click a device in the matrix or press Ctrl+D on your keaboard to open Device View.
2. Select the Dante device you wish to edit and navigate to the Network Config tab.

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.

User manual
DConXi

NEWHANK
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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.

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.

User manual
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NEWHANK
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Functions

Device number	User definable device number for use with 3rd party control systems that cannot distinguish UDP messages based on IP address.
Signal Present	Indicator for signal present on the input, per channel.
Input Gain	Analog input gain, range: 0 - 42dB, per channel.
Phantom Power	48 volt Phantom Power, switchable per channel.
Digital Gain	Additional digital signal gain, range: -100dB - 27dB
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:
	Input gain, Phantom Power and digital gain.

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-Channel>[<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>

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
Signal present	GET	SP<CH>		GET SP1\r	ST DN8 SP1 1\r
Input gain	GET	IG<CH>		GET IG1\r	ST DN49 IG1 24dB\r
	SET	IG<CH>	0dB-42dB	SET IG2 6dB\r	ST DN49 IG2 6dB\r
Phantom power	GET	PP<CH>		GET PP1\r	ST DN136 PP1 0\r
	SET	PP<CH>	0=off; 1= on	SET PP1 1\r	ST DN136 PP1 1\r
Digital gain	GET	IDG<CH>		GET IDG1\r	ST DN1 IDG1 12dB\r
	SET	IDG<CH>	-100dB - 27dB	SET IDG1 -18dB\r	ST DN1 IDG1 -18dB\r
All status	GET	ALL		GET ALL\r	ST DN4 IG1 0dB\r ST D...

For latest product information, visit our website:
www.newhank.com