



Integration Note

Manufacturer	Theory	
Model Number(s):	DLC250.4, DLC1000.4, DLC1500.4	
Core Module Version:	g! 8.8	
Comments:		
Document Revision Date:	04-July-2023	

OVERVIEW AND SUPPORTED FEATURES

The Theory amplifiers are compact network-connected configurable DSP amplifiers, with flexible power output and power sharing technology.

The Elan g! system communicates with the the devices via ethernet only, with full two-way support for control and feedback.

THE FOLLOWING FEATURES ARE SUPPORTED BY THE THEORY AMPLIFIER:

- Source Selection
- Volume/Mute
- Device and Zone Power
- Mixer Levels and Ducker

THE FOLLOWING FEATURES ARE NOT SUPPORTED BY THE THEORY AMPLIFIER

- Discovery of devices.

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THEORY CONFIGURATION

1. It is recommended that the amplifier is installed and configured by a suitably qualified engineer, prior to integration with this driver. To avoid the possibility of communication problems, the amplifier should be configured with a static IP address (rather than using DHCP).
2. In order for the driver to work when the device is in standby, please ensure that the device **Power Management** settings are set to one of the following options so that the driver can still control the device (e.g. to power it back on):
 - Audio
 - Trigger
 - Network Only

These settings are found on the device webpage under **Settings > Power Management**.

g! CONFIGURATION

The release package contains a driver file per model. It is recommended that you follow the below installation process in order to ensure you are running the latest version of the driver.

1. Obtain the latest version of the driver, as described above, and ensure you know the location of the extracted EDRVC driver files on your computer's hard drive.
2. Right click on the Zone Controllers heading and select Add New Zone Controller.
3. From the Add New Zone Controller window, choose Search Folder and navigate to your driver location, before clicking OK. The upgrade location is now set.
4. Select the appropriate driver for the device model and click OK.
5. Enter the IP address of the device to connect to in the driver properties.

g! CONFIGURATION DETAILS

The following table provides settings used in Configurator when connecting to the amplifier. Please refer to the Configurator Reference Guide for more details. In the table below:

- <User Defined>, etc. Type in the desired name for the item.
- <Auto Detect>, etc. The system will auto detect this variable.

Devices	Variable Name	Settings (Ethernet)
Zone Controllers	Name	<User Defined>
	System #	<Auto Detect>
	Status Color Coding	<User Defined>
	Status	<Auto Detect>
	Driver Version	<Auto Detect>
	Driver Vendor	Janus
	Installed	<Auto Detect>
	Power	<Auto Detect> device power status
	Analog x-y Status	<Auto Detect> whether sources are mono or stereo
	Zone x-y Status	<Auto Detect> whether zones are mono or stereo
	Device Type	<Auto Detect> Device model
	IP Address	<User Defined> ip of device
	Port	7621
Sources	System #	<Auto Detect>
	Source Device	<Select from list>
	Display Icon	<Select from list>
	Source Volume	<Auto Detect>
	Display Name	<User Defined>
Zones	Name	<User Defined> (Default: <Auto Detect>)
	Location	<Select from list>
	System #	<Auto Detect>
	Universal Receiver	<Select from list>
	Display 1	<Select from list>
	Display 2	<Select from list>
	Aux Zone 1	<Select from list>
	Aux Zone 2	<Select from list>
	Turn On Source	<Select from list>
	Hide Volume	<Select from list>
	Matrix Only	<Select from list>
	Audio Return Input	<Select from list>

Supported Event Map Commands

The following event map commands can be accessed from Audio Zone Controller > [device model] > Execute Function

- **Power Off** – power off device
- **Power On** – power on device
- **Identify Off** – stop device identifying (stop leds flashing on front panel)
- **Identify On** – start device identifying (start leds flashing on front panel)

The following event map commands can be accessed from Audio Zone Controller > Zone Output X [device model] > Execute Function

- **Ducker is Off** – set ducker off for zone
- **Ducking Mode** – set zone to ducking mode
- **Input Override mode** – set zone ducking mode to input override

The following event map command strings can be added from **Audio Zone Controller > Theory [MODEL] > Send Command...** and entering the command in the Options parameter:

SEND_MIXER_COMMAND – sets an input gain on a mixer.

Parameters

- MIX (numeric) – 1 to 4
- INPUT (string) – one of “Analog 1”, “Analog 1”, “Analog 1”, “Analog 1”, “SPDIF 1” (options available depend on model)
- GAIN(numeric) - in range -60 to 0

Example command:

SEND_MIXER_COMMAND, {MIX=2, INPUT=“Analog 1”, GAIN=-50}

COMMON MISTAKES

1. Ensure the IP address is entered correctly, and the latest version of the driver is installed.