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nexgentec ArtNet DMX Dimmer driver (NGTSLC4ZARTNETLD)

1. Disclaimer

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2. What is the nexgentec ArtNet DMX Dimmer driver? What is it used for?

This driver is designed to work with the *nexgentec ArtNet Network* (NGTSLC4ZARTNETNW).

It does add a dimmer to the Control4 project.

3. What features does the nexgentec ArtNet DMX Dimmer driver support?

All features of the *Light V2* drivers are supported, including *Advanced Light Scenes*

4. Software installation Control4

Assuming that you have already downloaded the drivers and placed them in %USERPROFILE%\Control4\Drivers.

- 4.1. Start Composer, go to *System Design* and select the tab *Search* in the right top window. Search for *ArtNet Dimmer*

The screenshot shows the 'Items' search interface. At the top, there are tabs for 'Locations', 'Discovered', 'My Drivers', and 'Search'. The search input field contains 'artnet dimmer'. Below the search bar, there are checkboxes for 'Local' (checked), 'Online' (checked), and 'Certified Only' (unchecked). There are also dropdown menus for 'All Device Types' and 'nextgentec'. The 'Results' section shows 'nextgentec ArtNet Dimmer' with a 'Local' badge. Below the main result, there are smaller entries for 'nextgentec' (NGTSLC4ZARTNETLD) and 'others' (Other).

- 4.2. Drag and drop the *ArtNet Dimmer* driver into the wished room. Click on it and find the Properties page. (Hovering with the mouse over the Properties will show up hints)

The screenshot shows the 'Properties' page for the 'nextgentec ArtNet Dimmer' driver. The page has tabs for 'Properties', 'Documentation', 'Actions', and 'Lua'. The 'Info' tab is active, showing the driver's name 'NGTSLC4ZARTNETLD' and the version '4.00.23 running'. Below the info, there are several configuration options:

Property	Value
Address	2-9
Refresh on ramp start	Yes
Refresh during ramp	Yes
Refresh rate (ms)	2500
Refresh on ramp end	Yes
Refresh on scene start	Yes
Refresh during scenes	Yes
Refresh rate (s)	30
Refresh on scene end	Yes
Refresh on button action	Yes
Refresh during button action	Yes
Refresh rate (sec)	2
Refresh on button action end	Yes

5.3. Properties

- -> Info: Does show the driver health info
- Driver name: The product identification of the driver

- Address: For a single light insert the number of the ArtNet channel that should be controlled.
For multiple channels use the separation by comma: 1,2,3

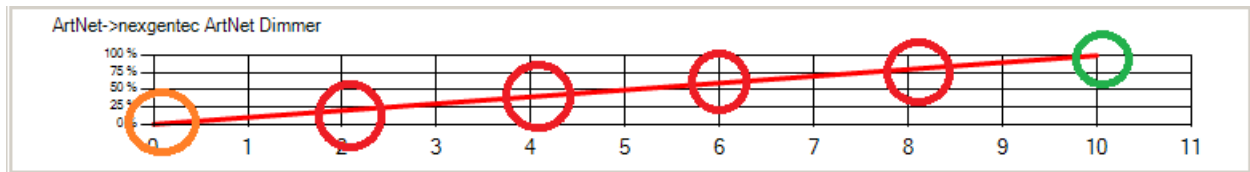
If multiple channels in a sequence should be controlled the format with a dash can be used: 2-9 will control channel 2, 3, 4, 5, 6, 7, 8, 9.

For special use is the format: 1-30s3. It means the range from 1 until 30 in series of 3. This example will result in the control of channel 1, 4, 7, 10, 13, 16, 19, 22, 25, 28.

Also combinations of all formats are allowed: 1,2,3,103-113,480-512s3

Feedback if multiple channels entered: The lowest channel is receiving feedback values and does act as master for all other channels.

- Navigator refreshes and following lines: These settings define when and how many times Navigators should receive the light level information during a ramp or a scene. Assuming this ramp:



Navigator can be refreshed at start of the ramp (orange), during the ramp (red) and on the end (green).

Every refresh will cause CPU load and the number of drivers doing the ramp will multiply the CPU power used. To ease down the load we recommend only refreshing loads that are visible in Navigators (no decoration / fading loads).





Standard Control4 behavior is to refresh ramps and scenes to the final level at the beginning of the scene/ramp.

If refresh on start is activated but no refresh during scene/ramp/button action is defined the feedback level will be the target level of the scene/ramp/button action

- -> Log / Lua window: Selects the log level printed out in Lua window from Composer. Use the level *Debug* to see what the driver do
- -> Log / Online log server: If a persistent problem appears that cannot be solved from the installer support may ask you to activate a decent level. Do not use until support ask you to do so
- Log period (h): The time frame the log should output
- Log auth: Developer can give you a code to see more logs. Usually not really interesting, only for in deep debug

4.4. Connections

If the *nexgentec ArtNet Network* was installed before the dimmer driver, the connections for the ArtNet Network should be done automatically. The button connections connect to keypads etc.

Name	Type	Connection	Input/Du...	Connected To
Control Inputs				
 ArtNet Network	Control	ARTNET_NETW...	Input	nexgentec ArtNet Network->ArtNet Network
Control Outputs				
 Top Button Link	Control	BUTTON_LINK	Output	
 Bottom Button Link	Control	BUTTON_LINK	Output	
 Toggle Button Link	Control	BUTTON_LINK	Output	

5. Device variables

Similar to all Control4 dimmer drivers.

6. Programming actions

Similar to all Control4 dimmer drivers.

7. Programming actions/ commands

Similar to all Control4 dimmer drivers.

8. Known issues

See the manual for the *nexgentec ArtNet Network* driver for further information about issues that are known.

9. Updates / Support

Updates are available on: <<<https://technet.genesis-technologies.ch>>>

Bugs should be reported to: info@genesis-technologies.ch