

Fresco nLight nIO-X Configuration

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REQUIREMENTS

HARDWARE: An nLight nIO-X, Fresco, and external control system using serial commands for control.

FIRMWARE: Fresco Firmware 104.2+

SOFTWARE: nIO-X Encoder/Decoder Application

RESTRICTIONS

- The channel does not matter when specifying the ON/OFF/DIM/LEVEL action (default to use Channel 1).
- The specific level or dim % command will vary depending on the level or % required, if there is a specific value required, the command string can be generated for it using the nIO-X Encoder/Decoder application. Otherwise, the remaining strings are constant.
- Some status and command / response strings used with the nIO-X are not supported.

CONFIGURATION

Button Configuration	Assign Button #1 to control a Zone, Group, Channel, Scene, Link. The serial commands listed will perform that operation on the target control such as zone 'on' to 100% or going to preset level, or linking/unlinking a room for instance.
	Review the Reference section for serial strings for the Button command string to use for a desired action
Scene Configuration	Assign Scene #1 - #4 to control a Fresco scene. The serial command is always the same, simply change which scene is assigned to the respective scene button (i.e. Scene #1 = Lights On, Scene #2 = Presentation, etc.).
	Review the Reference section for serial strings for each Scene Button command string to use for a desired action.
Tips	Use the nIO X Encoder / Decoder application to generate the strings for dim % values or for the specific level values not provided in the Reference section.
	The Reference section lists the serial strings used for the Scene Buttons and some basic levels for the general Button input.

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REFERENCE

SCENE COMMANDS

Scene #1 Activate	A5 06 85 01 DF F8
Scene #2 Activate	A5 06 85 02 DF FB
Scene #3 Activate	A5 06 85 03 DF FA
Scene #4 Activate	A5 06 85 04 DF FD

BUTTON COMMANDS

ON	A5 08 7A 01 01 00 21 F6
OFF	A5 08 7A 01 02 00 22 F6
DIM UP 5%	A5 08 7A 01 03 05 23 F3
DIM DOWN 5%	A5 08 7A 01 04 05 24 F3
LEVEL 0	A5 08 7A 01 05 00 25 F6
LEVEL 100	A5 08 7A 01 05 64 25 92