

LogiCue DMX Converter Manual



NuDelta Digital
info@NuDeltaDigital.com

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Overview

The LogiCue DMX Converter turns the LogiCue System signal, which is a combination of LogiCue Data and power, into DMX-512, the standard communication protocol for the performing arts lighting industry.

Specifications

- Encoder for setting the DMX level
- LED display for seeing DMX level
- Powered by the LogiCue signal

IMPORTANT SAFETY INSTRUCTIONS

1 Read these instructions.

2 Keep these instructions.

3 Heed all warnings.

4 Follow all instructions.

5 Do not use this apparatus near water.

6 Clean only with dry cloth.

7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11 Only use attachments/accessories specified by the manufacturer.

12 Use only with the cart, stand,



tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

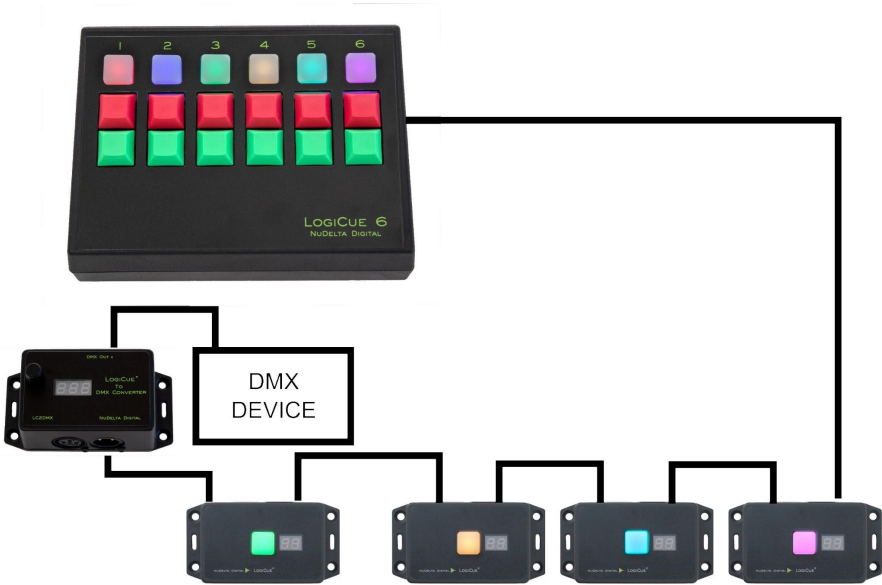
13 Unplug this apparatus during lightning storms or when unused for long periods of time.

14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15 This product is not intended for residential use. This product contains small parts that may be harmful to children

Installation

The LogiCue DMX Converter or LDC2, can be connected into a chain of cue lights in the middle of a chain or at the end, as pictured below.



Operation



Top of LC2DMX

The top of the LC2DMX has a rotary encoder knob and a three digit led display. The rotary encoder knob is for setting the maximum output level and the display is for reading that level. The display has an illuminated decimal point on the bottom right. This indicates that the LC2DMX is getting power and signal.

The LC2DMX does not have an adjustable address. It simply takes the twelve channels of LogiCue signal and turns them into twelve channels of DMX. So if the first channel of the LogiCue controller is in “Standby”, the LC2DMX will output its maximum value. When the “Go” button is pressed on the LogiCue controller, The LC2DMX will output zero for the corresponding channel.

XLR Connectors

The XLR connectors on the front are for getting the signal into and through the DMX converter. Standard microphone cable can be used for this connection.

DMX Connector

The DMX connector on the back is for getting the signal out of the DMX converter and into a DMX compatible device such as a dimmer pack.

Maximum Output Level

Pressing the rotary encoder knob makes the display show a number between 1 and 255. This number is the transmitted DMX value. Although most lighting consoles display dimmer levels as a number between 0 and 100, that number is actually a percentage of the DMX data value, which is 0 to 255. When a light board tells a dimmer to go to “full” or 100 percent, the light board is actually transmitting the number 255 to that dimmer. When the light board tells a dimmer to dim to “half” or 50 percent, the light board is transmitting the number 128. You can set the converter to transmit any value between 1 and 255. This is useful, for example, if you want to use rope light plugged into a DMX dimmer pack as a way of cueing fly rail operations but the rope light is too bright. Setting the transmitted value to a lower number than 255, will make the rope light less bright when it is turned on. After the transmitted value is set, press the rotary encoder knob again to save the setting and turn off the display.

Troubleshooting

Converter will not turn on

If the converter will not turn on (power indicator led or “decimal point” is not on) then there are two possible problems. The first possible problem is that the cue light controller is not on (or plugged into power). The second possible problem is that there is a bad cable or too much cable between the cue light controller and the converter. We have tested the converter with up to 1000 feet of microphone cable between the cue light controller and the converter.

Converter will turn on but DMX device does not respond

Check the DMX cable that goes from the converter to the DMX device and replace if necessary. DMX device. If both are set to 1 and channel 1 of the cue light controller is put in standby, then channel 1 of the DMX device should go to the level of the transmitted value.

When I turn on my LogiCue controller, the self-test does not indicate that the converter is plugged in and working

Since the LogiCue DMX converter is not a cue light, it does not respond to the self-test feature of the LogiCue controller.

If you have other problems with your LogiCue system, please contact us at Info@NuDeltaDigital.com