

Version

3

NUDELTA DIGITAL
LOGICUE®
CUE LIGHT SYSTEM

MANUAL AND SETUP GUIDE

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.

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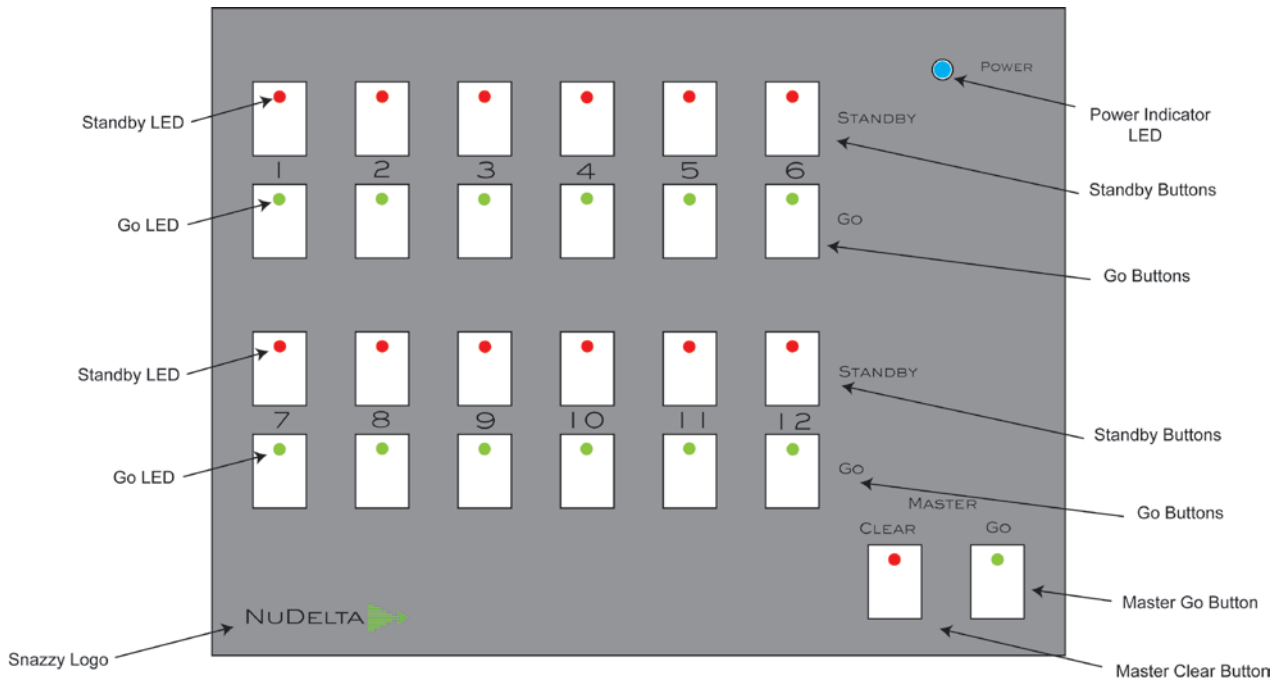
Setting up the LogiCue System

Thank you for choosing the LogiCue System by NuDelta Digital. This manual and setup guide will help you to quickly and safely set up your LogiCue system. The LogiCue system is a cue light system for signaling performers and crew in performing arts applications. It can also be used in themed entertainment, film, corporate events and houses of worship.

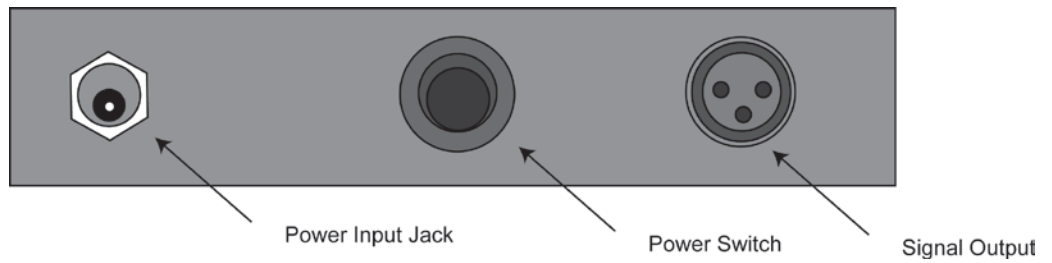
Safety First:

- Always use the power supply that is provided with the LogiCue controller, other power supplies may damage the equipment.
- Never use the LogiCue controller with a damaged power cord.
- Never use the LogiCue system with damaged signal cables.
- Never use the LogiCue system in wet environments.
- Never use the LogiCue system in a situation where unintended turning on or turning off of the cue lights could result in someone getting injured.

The Controller



Rear of Controller



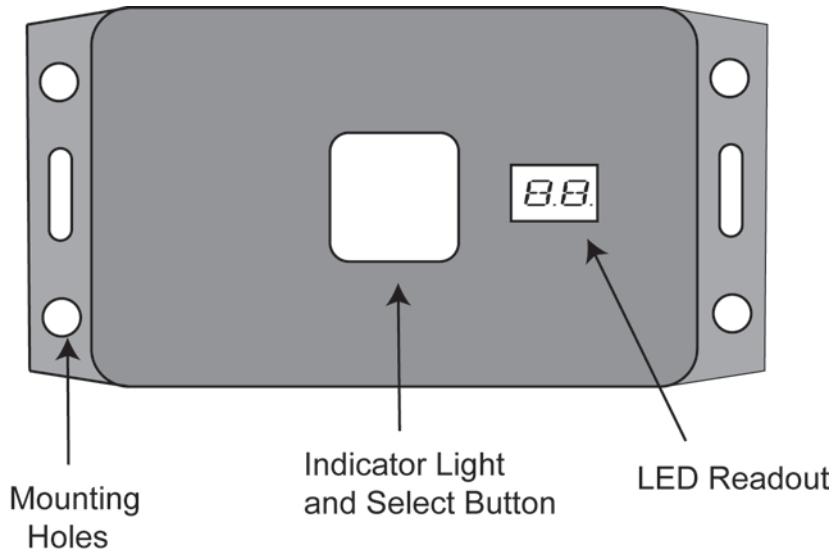
Interface Explanation

<i>Power Indicator LED</i>	Indicates that power to controller and system is on.
<i>Standby Buttons</i>	Pressing these buttons puts the corresponding cue light in standby (turns on LED on the cue light).
<i>Go Buttons</i>	Pressing these buttons puts the corresponding cue light in go status (turns off the led on the cue light).
<i>Standby LED</i>	Indicates that the corresponding cue light is in standby. When the standby LED is on, the corresponding cue light is on.
<i>Go LED</i>	Indicates that the corresponding cue light is in the go status. When the go LED is on, the corresponding cue light is off.
<i>Master Clear</i>	Used to turn off Go LEDs. The master clear button only affects the cue lights that are in "Red/Green" or "Red/Green/Blue" mode.
<i>Master Go</i>	The master go button is used to put any cue lights that are in standby mode, into go mode.
<i>Power Input Jack</i>	This is where the power adapter is plugged in. Input power is 18 Volts DC at 1.5 Amps.
<i>Power Switch</i>	Turns the controller and cue light power on. Flipping the switch up turns the power on. Flipping the switch down turns the power off.
<i>Signal Output</i>	<p>This connector is a standard 3 pin XLR used in professional sound equipment. This is where the signal goes out of the controller to the cue lights. Standard microphone cable can be used to connect the cue light system as long as it is 3 conductor type shielded cable. The output connector is wired as follows:</p> <p>Pin number:</p> <ol style="list-style-type: none">1. Signal ground2. +18 Volts DC3. Signal

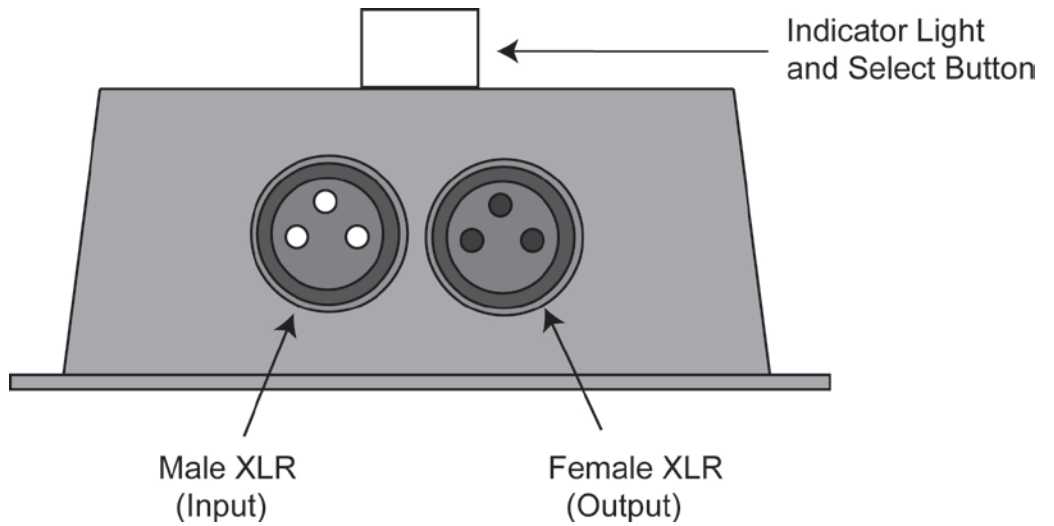
Please refer to the connection diagram for complete system connecting information.

Cue Lights

Top View



Side View



Mounting Holes

The QL1 Cue Lights can be screwed to flat surfaces or tied using these holes.

*Indicator Light/
Select Button*

The indicator light is a tri-color LED covered with this diffuser which also acts as the select button. See the menu options section for more information.

LED Readout

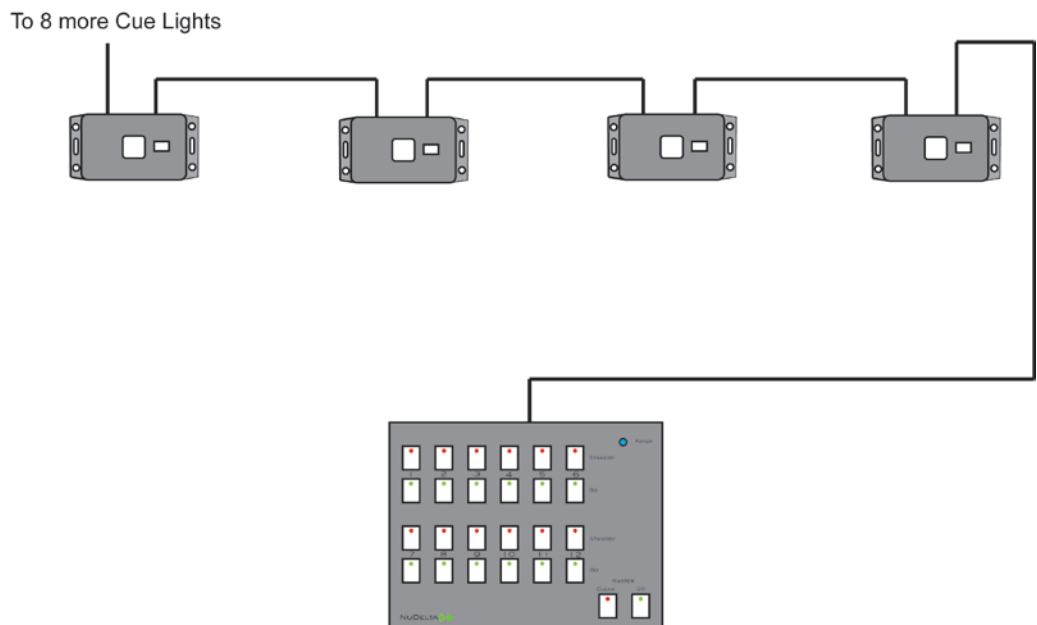
The LED readout is used to indicate the color or address when navigating the menus. The second decimal point in the readout is illuminated when the QL1 is powered on and receiving a signal. This is useful for troubleshooting cable problems.

XLR Connectors

The XLR connectors on the side are for getting the signal into and out of the QL1. Standard microphone cable can be used for connecting the cue lights to the controller.

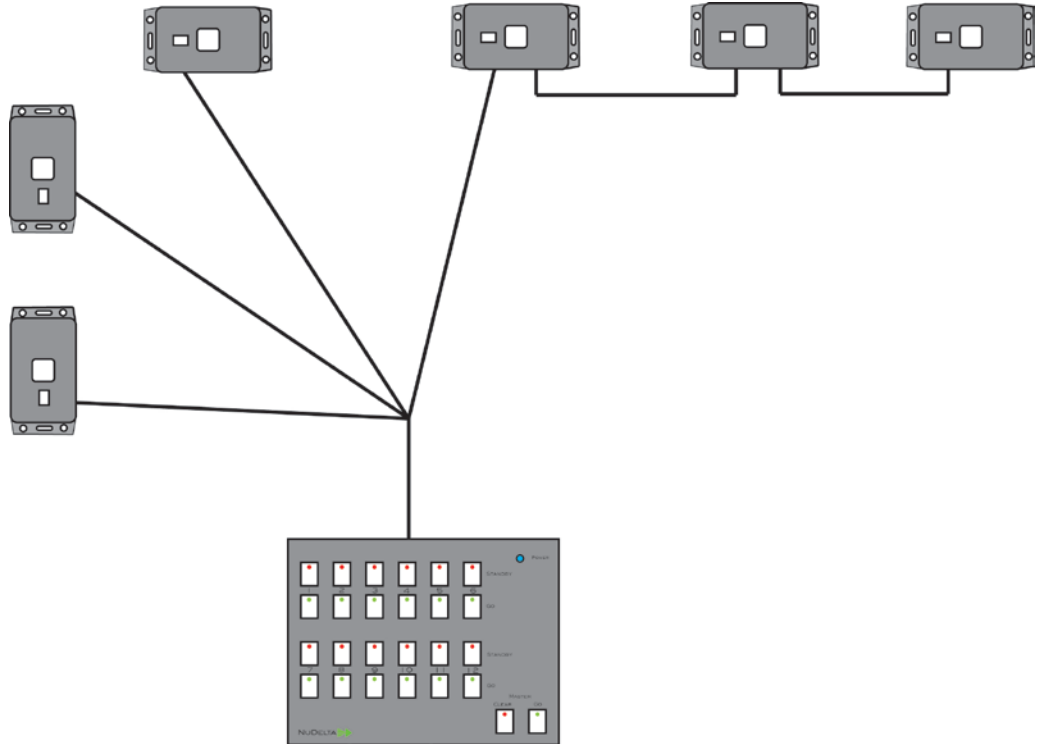
Connections

Below is an example of one way to connect the LogiCue controller to the QL1 Cue Lights.



Connections

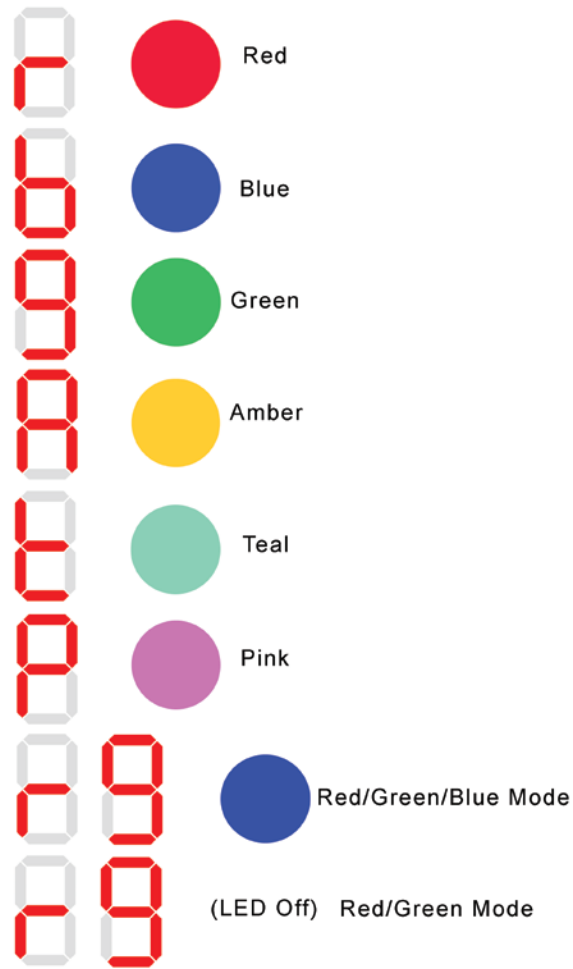
You can also use XLR cable splitters to split the signal.



Color Mode Selection

Selecting the color mode on the QL1 Cue Light is simple. Hold the select button down while plugging in the cable coming from the controller or hold the select button down while turning on the controller. The indicator light will turn red and a lower-case r will appear on the LED display. Release the button and press it again to advance to the next color. Continue to do so until the color you want is visible. Once you get to the color you prefer, unplug the cue light or turn the power off. When you turn it back on or plug it in, it will operate with the color mode you have selected. The cue light will remember its color mode for many years.

The diagram on the next page shows each of the colors and what the display indicates for each color mode.



Address Selection

The QL1 Cue Light has 12 different addresses so that each unit can be controlled separately regardless of the order that they are plugged in. You can also assign the same address number to multiple cue lights so that more than one cue light is controlled by one standby and go button on the controller.

In order for the address to be changed, the QL1 Cue Light must be plugged in and the controller must be powered on. Once the cue light is on and is displaying a single decimal point (to indicate that it is receiving power and signal), press and hold the select button until a number appears on the LED display. The first number that appears on the display is the last address number that was programmed into the cue light. Release the selector button and press the button again to advance to the next channel. Once you have reached the channel that you prefer, wait for approximately 5 seconds, the address will be recorded to the internal memory and the display will go back to a single decimal point.

LogiCue System Operation

LogiCue Controller

The Logicue Cue Light System is easy and logical to operate (that's why we gave it that name). Each standby and go button on the controller corresponds to a cue light in the system. When standby button number one is pressed, the red LED on the button lights up and the cue light addressed as number one also lights up. When the go button is pressed on the controller, the green LED on the button lights up and the corresponding cue light goes off (except for cue lights in Red/Green or Red/Green/Blue mode).

Multiple cue lights can be put into go mode by placing them in standby and then pressing the master go button.

The LEDs on each go button can be turned off by pressing the go button a second time.

All of the green LEDs on the go buttons can be turned off by pressing the master clear button.

Acknowledge Feature

The acknowledge feature is a new addition to the LogiCue system. It allows for a person on stage to acknowledge that they saw the cue light, so the stage manager or person running the controller, knows that the person on stage is ready. To use the acknowledge feature, simply press the standby button on any of the channels twice. The first time the standby

button is pressed, the red led is illuminated and the corresponding cue light turns on (or turns red if the cue light is in red/green/blue or red/green mode). If the standby button is pressed a second time, the red led on the controller will blink on and off and the corresponding cue light will blink on and off. When the button on the cue light is pressed, the cue light and the corresponding red led on the controller will stop blinking. The go button on the controller will cause the corresponding cue light to turn off (or turn green if it is in red/green/blue or red/green mode). If the standby button is pressed a third time, the blinking stops and the channel is toggled back into standby mode.

Red/Green and Red/Green/Blue Modes

When a cue light is put into Red/Green/Blue mode, the indicator light will illuminate red when the cue light is put into standby mode. The indicator light will illuminate green when put into go mode. The indicator light will illuminate blue when the go button is pressed a second time or when the master clear is pressed on the controller.

When a cue light is put into Red/Green mode, the operation will be the same as the Red/Green/Blue mode except instead of the indicator light being blue; the indicator light will be off.

Self-Test Feature

The self-test feature lets the cue light system operator know that all of the cue lights are plugged in and properly addressed. Once the system has been set up and all of the cue lights have their address, simply turn the power switch off and back on again. The green led above each go button will illuminate on a channel that has a cue light plugged in and addressed. If a system has twelve cue lights on twelve different channels, then all twelve green leds on the controller will be illuminated. If a system has six cue lights on channels one through six plugged in and addressed, then the six leds for those channels will be illuminated. If any of the red standby leds on the controller come on when the power is first switched on, then a cue light is possibly unplugged or not addressed properly.

Troubleshooting

Controller will not turn on

If the controller will not turn on, unplug the output cable going to the cue lights. Turn the controller off and back on again. If the controller turns on, then the problem is a bad cable. Start by plugging in a known good cable to the controller, plug in the first cue light and unplug all of the other cue lights. If the controller and the first cue light work, check the rest of the cables one at a time until the bad cable is found.

Controller will turn on but cue lights do not work

Start by plugging in a known good cable to the controller, plug in the first cue light and unplug all of the other cue lights. If the first cue light works, check the rest of the cables one at a time until the bad cable is found. The display should have a single decimal point to indicate that the cue light is receiving power and signal.

All of the cue lights respond to standby and go number one

When the cue lights are manufactured, they are set at number one by default. Once you set the address, it will be recorded in the memory and remain there for years.

One or more of the green leds are not coming on when power is turned on

You should have a green led for every cue light that is powered on and addressed. For example, if the green light on the go button, on channel one of the controller is not coming on, it could be that cue light number one is unplugged or it could be that the address for cue light one was accidentally changed to another number. Confirm that all cue lights are plugged in, powered on, and addressed properly.

Controller is unplugged but cue lights remain on

Contact a priest or appropriate spiritual advisor.

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



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NuDelta Digital LC1 & QL1

This Class A Digital Apparatus
Complies with Canadian ICES-
001

NuDelta Digital LC1 & QL1

Cet Appareil Numérique de la
Class A est à la norme NMB-
001 du Canada