QolorFLEX® 3x10A Dimmer
P/N 5620
Quick Start Guide

FEATURES & COMPONENT IDENTIFICATION

LED DISPLAY

CONTROL BUTTON PAD

5PXLRF FOR DMX/RDM

5PXLRM FOR DMX/RDM

RESET SWITCH

DMX TERMINATION SWITCH

1x2 45A ANDRESON POWERPOLE FOR DCV INPUT

3x2 45A ANDRESON POWERPOLE FOR DIMMER OUTPUTS

City Theatrical's **QolorFLEX® 3x10A Dimmer** is our most versatile and feature rich dimmer. It may be user configured as one channel of 30A, two channels of 15A each, or three channels of 10A each. The large backlit LCD display and five button cont ol makes the QolorFLEX™ 3x10A Dimmer the industry leader in ease of set-up and operation. It accepts wired data from any controller/console with DMX output, can be paired with one of our wireless transmitting/ receiving systems (SHoW Baby® 6/ SHoW DMX Neo®), and has stand alone dimmer settings to allow use without a lighting controller/console
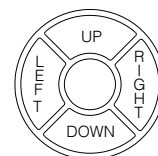
The QolorFLEX™ 3x10A Dimmer's additional features include: four selectable dimming curves/modes, variable smoothing rates, film/video modes, stating DMX address, and it is fully RDM enabled. 9-24VDC 30A max input. 30A max output per device.

Controls, Connections and Features

Front Panel
LCD Display: This 2 line by 16 character display shows all of the Menu titles, command options, configuration data, and other text and graphic data. The backlight turns on whenever a button is pushed and turns off automatically after a preset time-out. The backlight off time-out is adjustable via the Misc.

Menu (see below).

Control Button Pad: This five-button pad is the main control

interface for the QolorFLEX™ 3x10A Dimmer. The button functions are UP, DOWN, LEFT/BACK, RIGHT/FORWARD, and ENTER. During normal operation (default configuration), the Left, Down and Right Buttons serve as Bump Buttons for the three dimmers in the unit.

Back Panel
Anderson 45A Power Pole DC Power Input Connectors (Red/Black): This is the +VDC power input for the QolorFLEX 3x10A Dimmer, and mates directly with the 30A and 45A Anderson Power Pole connectors on the CTI # 5540 12V 12AH Batteries, CTI Anderson Twofers, cable assemblies, and other devices. The QolorFLEX 3x10A Dimmer is capable of drawing up to 30 amps of DC power, so be sure that the connected input power wiring is up to the task! *Be sure the power connection is polarized correctly* before *connecting an alternative supply.*
Anderson 45A Power Pole DC Power Dimmer Output Connectors (Yellow/Blue): These are the +VDC dimmed outputs for the QolorFLEX 3x10A Dimmer, and are labelled A, B and C. They mate directly with the 30A and 45A Anderson Power Pole connectors on CTI Anderson Twofers, cable assemblies, and other devices.   The QolorFLEX 3x10A Dimmer is capable of outputting up to 30 amps of DC power, so be sure that the connected output power wiring is up to the task!
Reset Switch: This little recessed switch resets the Microcontroller in the QolorFLEX 3x10A Dimmer. Use a paper clip or other small object to press if required.
5P XLR Male Connector: DMX/RDM Input. Connect your DMX512 source here using any ESTA compliance DMX512 cable. 5P XLR Female Connector: DMX/RDM Pass-Thru/Output. When the Transmitter is connected to a conventional DMX controller, this connector serves as a DMX pass-thru.

DMX Termination Switch: The QolorFLEX 3x10A Dimmer DMX Input is provided with a conventional manual termination switch. Switch the handle to ON for end-of line DMX Termination.

Menu System

Addressing	**Misc. Settings**
DMX Start	Bump Buttons
DMX Personality	Data Loss T-Out
Level Tests	Backlight T-Out
Dimmer A Level	Battery Voltage
Dimmer B Level	RDM Label RDM
Dimmer C Level	Unique ID Input
Curve Selection	Status Restore
Dimmer Curve A	Defaults Firmware
Dimmer Curve B	Version
Dimmer Curve C	
LED TV/Film Mode	

After power-up the LCD display will read:
QolorFLEX® 3x10A Dimmer
DMX: No Data (or) **OK**
The Start Up display reports DMX connection status ("DMX: OK" or "DMX: No Data"). Press the center ENTER button to access the menus.

Menus:
Addressing

> **DMX Start:** Set the Starting DMX address for the Dimmer
> **DMX Personality:** Set the DMX Personality for the Dimmer as either Triple Dimmer, Double Dimmer, or Single Dimmer

Level Tests
> **Dimmer A Level:** Set Dimmer A to a Level in %
> **Dimmer B Level:** Set Dimmer B to a Level in %
> **Dimmer C Level:** Set Dimmer C to a Level in %

Curve Selection
> **Dimmer Curve A:** Select either ISL, Linear, LED, or Non-Dim.
> **Dimmer Curve B:** Select either ISL, Linear, LED, or Non-Dim.
> **Dimmer Curve C:** Select either ISL, Linear, LED, or Non-Dim.
>
> The ISL and Linear curves are optimized for incandescent loads, and the LED curve is optimized for LEDs.
> **LED TV/Film Mode:** Five options for LED (mode 3 by default).
> **LED Smoothing:** Six different delay times to make LED dim at different rates; 5ms, 10ms, 50ms, 100ms, 200ms and 400ms (100ms smoothing by default).

Misc. Settings
> **Bump Buttons:** Enables or Disables Bump Buttons
> **Data Loss T-Out:** Adjust how long the last valid DMX level is held if DMX is lost, from 5 minutes – 120 Minutes, plus infinity
> **Backlight T-Out:** Allows adjustment of the Backlight automatic shutoff time-out from Always off, through 1-240 seconds on, to Always on
> **Battery Voltage:** Displays connected battery voltage
> **RDM Label:** This is an editable field that allows the user to create a unique alpha-numeric 16 character RDM label for the unit
> **RDM Unique ID:** This is a non-editable field that displays the RDM Unique ID **Input Status:** Displays input status as DMX OK or DMX No Data
> **Restore Defaults:** Restores factory defaults as DMX start 1, Triple Dimmer, ISL Curve on all, 10 sec. backlight time-out, 5 min. DMX data loss time-out **Firmware Version:** Displays firmware version