

# **CITY THEATRICAL I N C**

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## **DMX Iris**

Rev 1.2



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Thank you for using the City Theatrical DMX Iris! Every effort has been made to anticipate your questions in this manual, but if you have any questions that we don't answer here, or you want to discuss a special application, please feel free to contact us directly at City Theatrical.

### Cautions

The City Theatrical DMX Iris is intended for use only by qualified professionals. Connection, installation and hanging of this equipment must be performed in accordance with all pertinent local, regional and national safety codes and regulations.

The City Theatrical DMX Iris is intended for indoor use only.

Keep the unit dry! Do not operate the unit if it gets wet!

Do not operate in excessive heat/direct sunlight.

Be sure installation provides adequate ventilation and allows free airflow.

There are no user-serviceable parts inside! Refer to qualified service personnel!

### Connection

Connect the DMX Iris via industry standard DMX / Accessory Power 4 Pin XLR cables, like those used with scrollers.

XLR Pin	Signal
1	Common
2	DMX -
3	DMX +
4	+24VDC

When used with the optional CTI # 2199 Power supply, The CTI DMX Iris can be connected to a DMX Controller using a standard 5P XLR DMX cable from the controller to the Power Supply control input. The DMX Iris requires external DMX termination, either via down-stream device or with a termination plug. Contact CTI if you have questions.

### Power Supplies

The DMX Iris can be used with the City Theatrical # 2199 Power supply. The DMX Iris is also compatible with Wybron Forerunner™, Chroma Q™, Rainbow™, Spectra Q™, and Rosco PS™ power supplies. The DMX Iris is not compatible with Wybron Coloram™ power supplies.

### DMX Operation

The DMX Iris responds to DMX commands as follows:

DMX level 00 (OFF) = Closed (Home Position)

DMX level 50 (50%) = Half Open

DMX Level FF (100%) = Fully Open

### DMX Addressing

The DMX Iris uses a single DMX Channel and may be addressed as any DMX value from 1 to 512. Addressing is controlled by a standard array of three 10 digit BCD switches, configured as 100s, 10s, and 1s.

### Status Indication

The DMX Iris is provided with a CPU controlled LED for Status indication. The LED as follows:

LED Activity	Status
mostly OFF w/ short blinks ON ~ 1 per 4 sec	Unit on and running, no DMX
mostly ON w/ short blinks OFF~ 1 per 4 sec	Unit on and running, DMX present
mostly ON w/ short blinks OFF~ 1 per sec	Unit on and running, DMX present w/ Errors
rapid blinking, even ON and OFF	calibration failure

\* DMX Errors indicate that DMX was present but was lost. This may be caused by defective cables, console shut down, or failures in the upstream DMX source such as a failed opto-repeater.

### Installation and Setup

1. On the Source 4, remove the 2 screws holding the pattern holder slot cover and remove the cover and set it aside.
2. Insert the DMX Iris into the pattern holder slot.
3. The DMX Iris has tabs on either side of its base that align with the pattern holder cover screw holes. Install the 2 screws removed in step one and tighten to secure the DMX Iris in the Source 4 .
4. Connect the 4 pin Control / Power cable to the DMX Iris and dress cable carefully to keep the cable from coming into contact with potentially hot surfaces on the Source 4 (see **Connection**, Page 2)
5. Power up the unit and test.