

**Instructions for the Safe Operation and Use of the CELESTE™ Series
ENHANCED DMX LED Fixtures - SAVE THESE INSTRUCTIONS**

OBSERVE ALL SAFETY AND OPERATING INSTRUCTIONS BELOW:

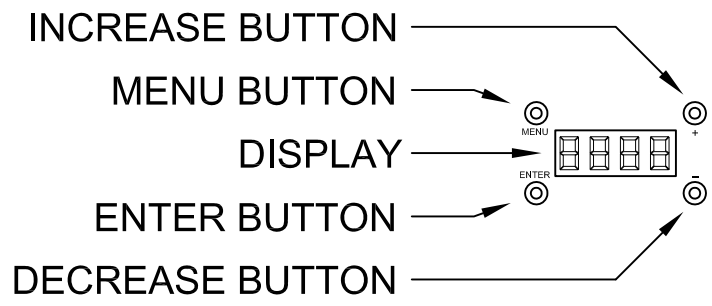
- Caution!** Read and understand these entire instructions before proceeding!
- Caution!** This unit is to be used in DRY locations only. Always store indoors.
- Caution!** Do not use this fixture in any way for which it was not intended.
- Caution!** There are NO user serviceable parts inside the control/power box.
- Caution!** The LED is a factory replacement item.
- Caution!** Do not power fixture from a dimmed electrical source.
- Caution!** Do not use this fixture if there are any damaged wires, cords or other parts.
- Caution!** Keep fixture vent slots free from dust and debris.
- Caution!** Maximum ambient operating temperature is 40°C (104°F).
- Caution!** Save these instructions for future reference.

Notes regarding externally controlled fixtures: Make certain that the control wiring for the fixtures is in accordance with DMX512-A specifications. Control wiring should be limited to no more than 1000 ft. (approx. 300 meters) in length and connected in a "daisy-chain" fashion. 32 fixtures maximum may be placed on a single run. The last fixture and ONLY the last fixture must have a 120 ohm terminating resistance applied to the control signal (see PROGRAMMING on the next page for details). Splitters must be used if more than 32 fixtures are to be connected to the same DMX signal. It may be beneficial to use specialists, ie, DMX Integrators when designing complex layouts.

RJ-45 ETHERNET pinout:
Pin 1: Data +
Pin 2: Data -
Pin 7: Signal Common
All other pins not used.

XLR-5 pinout:
Pin 1: Signal Common
Pin 2: Data -
Pin 3: Data +
All other pins not used.

XLR-3 pinout:
Pin 1: Signal Common
Pin 2: Data -
Pin 3: Data +



NOTE: When fixture is first energized, the DISPLAY will indicate a software revision code. That is for Times Square use only.

PROGRAMMING:

MENU	DISPLAY	DESCRIPTION
ADDRESS		The fixture address is preset to 1. To change address, press and hold the ENTER button until the display flashes. Use the INCREASE/DECREASE buttons to scroll to the desired address number (between 1-512). Press and hold the ENTER button until the DISPLAY flashes to lock in the new address.
LEVEL		The emergency mode light level is preset to 0% when there is a signal loss. To change the light level, use the INCREASE/DECREASE buttons to scroll to the desired percentage. Hold the ENTER button until the DISPLAY flashes once and a "period" appears after the "L". The "period" will always indicate the emergency mode setting. NOTE: If the fixture is <i>not</i> connected to a control signal cable, then the light level can be adjusted using the INCREASE/DECREASE buttons (also, see LOCAL below).
CEILING		The ceiling level is the maximum light level to which the fixture will reach. The default setting is maximum, indicated by two hyphens. To change the light level, use the INCREASE/DECREASE buttons to scroll to desired percentage. Hold the ENTER button until the DISPLAY flashes once and "period" appears after the "C". The "period" will always indicate the ceiling level setting. NOTE: If the fixture is <i>not</i> connected to a control signal cable, then the ceiling level can be adjusted using the INCREASE/DECREASE buttons (also, see LOCAL below).
PERCENTAGE		Percentage is the mode in which emergency mode light levels and ceiling light Levels are reported, i.e, as a percentage of full on. This can be changed to DMX mode whereby the fixtures will report 255 as full on, and 0 as off. The default setting is percentage on, and the DISPLAY will read "PcOn". To change to DMX mode, hold the ENTER button to turn the percentage mode off. The DISPLAY will read "PcOF".
LINEAR		Linear is the curve type for which the dimming performance is set. This can be changed to a logarithmic curve. The default setting is linear, and the DISPLAY will read "Lin". To change to logarithmic, hold the ENTER button. The DISPLAY will read "LOG".
PROTOCOL		Protocol is the dimming signal type to which the fixture responds. The default setting is the DMX512 protocol, and the display will read "d512". This can be changed to the RDM protocol. To change to RDM, hold the ENTER button. The DISPLAY will change to "rd".
TERMINATION		Termination, when on, places a 120 ohm terminating resistance to the control signal. The default setting is off and the DISPLAY reads "trOF". To add the resistance, hold the ENTER button. The DISPLAY will change to "trOn". CAUTION: A terminating resistance should be added to the <i>LAST</i> fixture in the control cable "daisy chain" only, otherwise signal problems may result!
HOURS		This number is coded for Times Square use only. The number in the DISPLAY is in no way indicative of the actual hours that the fixture was in operation.
LOCAL		When the fixture is <i>not</i> connected to a control signal cable from a control console, it is by default in slave mode. The DISPLAY will read "LCOF". This mode allows the fixture to function independently. This setting can be changed to master mode by holding the ENTER button. The DISPLAY will change to "LCOOn". When a fixture is set to master mode and connected by control signal cable(s) to 1 or more fixtures set to slave mode, all fixtures will mimic the fixture set to master.
CALIBRATION		This MENU option is for Times Square use only.

To lock the keypad, press and hold the MENU button and the ENTER button simultaneously. The DISPLAY will read "LOC". Repeat to unlock.