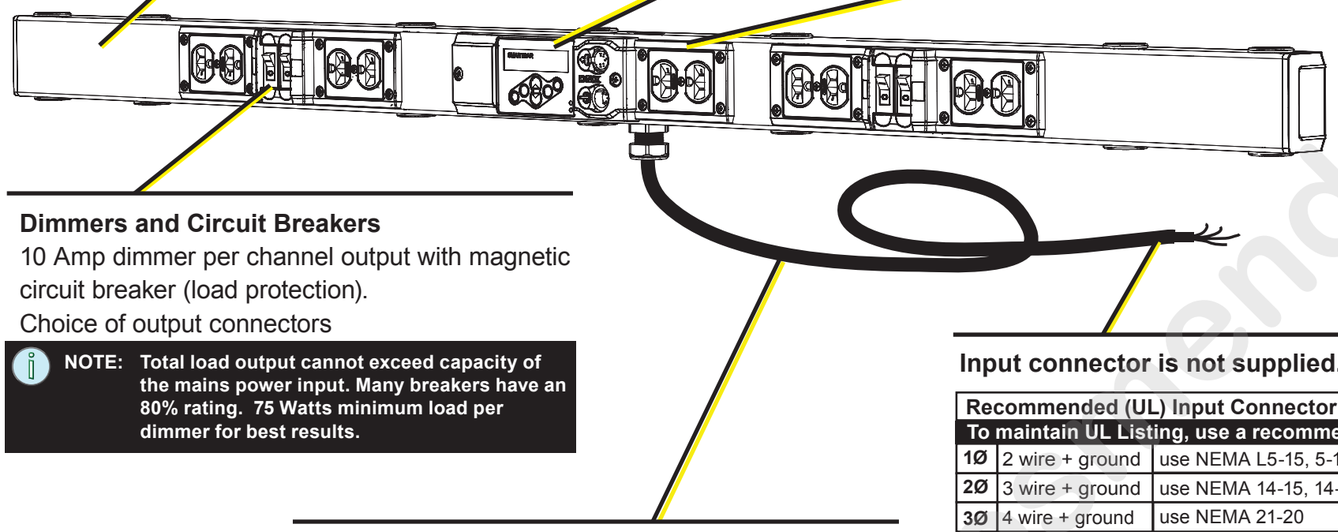
SMARTBAR 2

Setup and Connect Guide

SmartBar2
2, 4 or 6 channel bars
DMX 512 compliant
RDM identify / RDM - DMX Address
UL / cUL Listed and CE Marked

"Smart" User Interface
Local manual control of dimmers and 20 built-in chases for stand-alone operation
Multi-language software including English, Spanish, German and French
DMX 512 In and Thru XLR connectors

Convenience Outlets
UL outlet type is dual Edison
CE outlet type typically matches the output connector type.



Dimmers and Circuit Breakers
10 Amp dimmer per channel output with magnetic circuit breaker (load protection).
Choice of output connectors

NOTE: Total load output cannot exceed capacity of the mains power input. Many breakers have an 80% rating. 75 Watts minimum load per dimmer for best results.

Mains Power Specification

Mains Power Input (Do Not exceed 20A maximum per phase)			
	2 channel	4 channel	6 channel
UL / cUL	1Ø - 100, 120 VAC	1Ø 100, 120 VAC	2Ø 120/240 VAC 100/200 VAC
		2Ø 120/240 VAC 100/200 VAC	3Ø 120/208 VAC 100/173 VAC
CE	1Ø 230 VAC	1Ø 230 VAC	1Ø 230 VAC
			3Ø 230/400 VAC

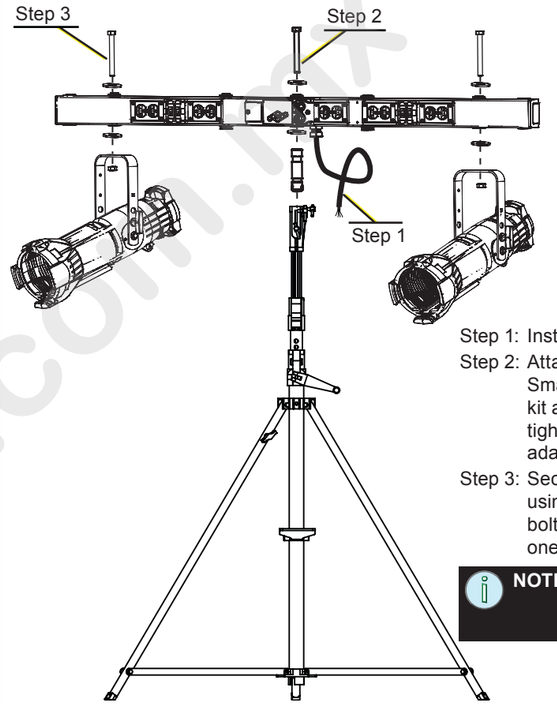
Input connector is not supplied.

Recommended (UL) Input Connector		
To maintain UL Listing, use a recommended input connector.		
1Ø	2 wire + ground	use NEMA L5-15, 5-15, L5-20, 5-20
2Ø	3 wire + ground	use NEMA 14-15, 14-20, L14-20
3Ø	4 wire + ground	use NEMA 21-20

NOTE: Using a NEMA L5-15, 5-15 or 14-15 input connector derates the SmartBar2 to 15A maximum input.

Recommended (CE 230 VAC) Input Connector		
1Ø	2 wire + ground	dual NF or dual Shuko load connectors use Schuko or NF male 16A
		UK15A Round Pin load connectors use UK15A Round Pin male or CE17 16A
3Ø	4 wire + ground	CE17 male 16A 3PNE

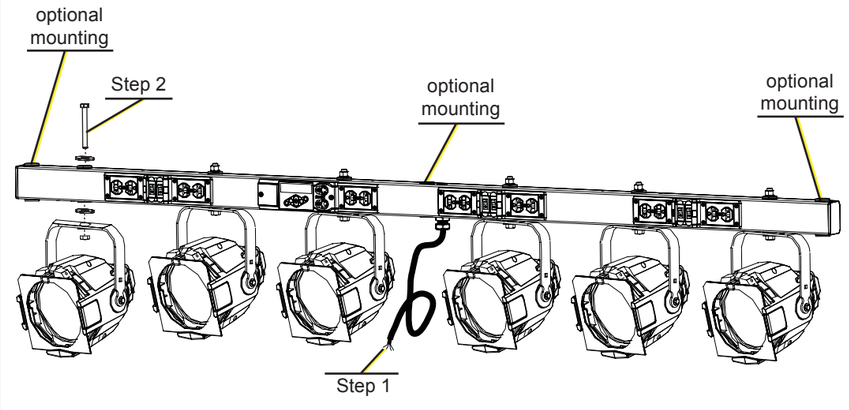
SmartStand Mounting



Step 1: Install the input connector.
Step 2: Attach the SmartBar2 to the SmartStand using the stand adaptor kit and hardware provided. Be sure to tighten the set screw on the stand adaptor for a snug fit.
Step 3: Secure each fixture to the SmartBar2 using the hardware provided. Each bolt kit contains two washers. Install one on top and one on bottom.

NOTE: Reference the SmartStand documentation for weight restrictions.

Optional Mounting



Step 1: Install the input connector.
Step 2: Secure each fixture to the SmartBar2 using the hardware provided. Each bolt kit contains two washers. Install one washer on top and one on bottom of the unit.

NOTE: Through-holes are provided on the bar for optional mounting.

Corporate Headquarters ■ 3031 Pleasant View Road, P.O. Box 620979, Middleton, Wisconsin 53562-0979 USA ■ Tel +608 831 4116 ■ Fax +608 836 1736
London, UK ■ Unit 26-28, Victoria Industrial Estate, Victoria Road, London W3 6UU, UK ■ Tel +44 (0)20 8896 1000 ■ Fax +44 (0)20 8896 2000
Rome, IT ■ Via Ennio Quirino Visconti, 11, 00193 Rome, Italy■ Tel +39 (06) 32 111 683 ■ Fax +44 (0) 20 8752 8486
Holzkirchen, DE ■ Ohmstrasse 3, 83607 Holzkirchen, Germany ■ Tel +49 (80 24) 47 00-0 ■ Fax +49 (80 24) 47 00-3 00
Hong Kong ■ Rm 1801, 18/F, Tower 1 Phase 1, Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong ■ Tel +852 2799 1220 ■ Fax +852 2799 9325
Service: (Americas) service@etcconnect.com ■ (UK) service@etceurope.com ■ (DE) techserv-hoki@etcconnect.com ■ (Asia) service@etcasia.com
Web: www.etcconnect.com

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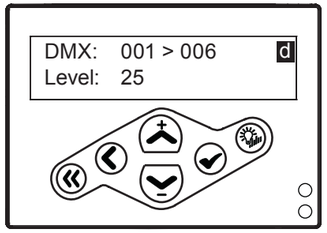
User Interface

The SmartBar2 user interface and menu structure provide users an intuitive easy setup with multiple language options built-in.

d = DMX
T = Test
C = Chase

The indicator located in the top right hand corner of the LCD indicates the current control source.



The two LEDs on the user interface indicate power and DMX signal. When power is applied, the blue "Power" LED is illuminated. The green LED indicates DMX signal. When no DMX signal is present, the green LED will flash. When a stable DMX signal is present, the green LED will illuminate fully.

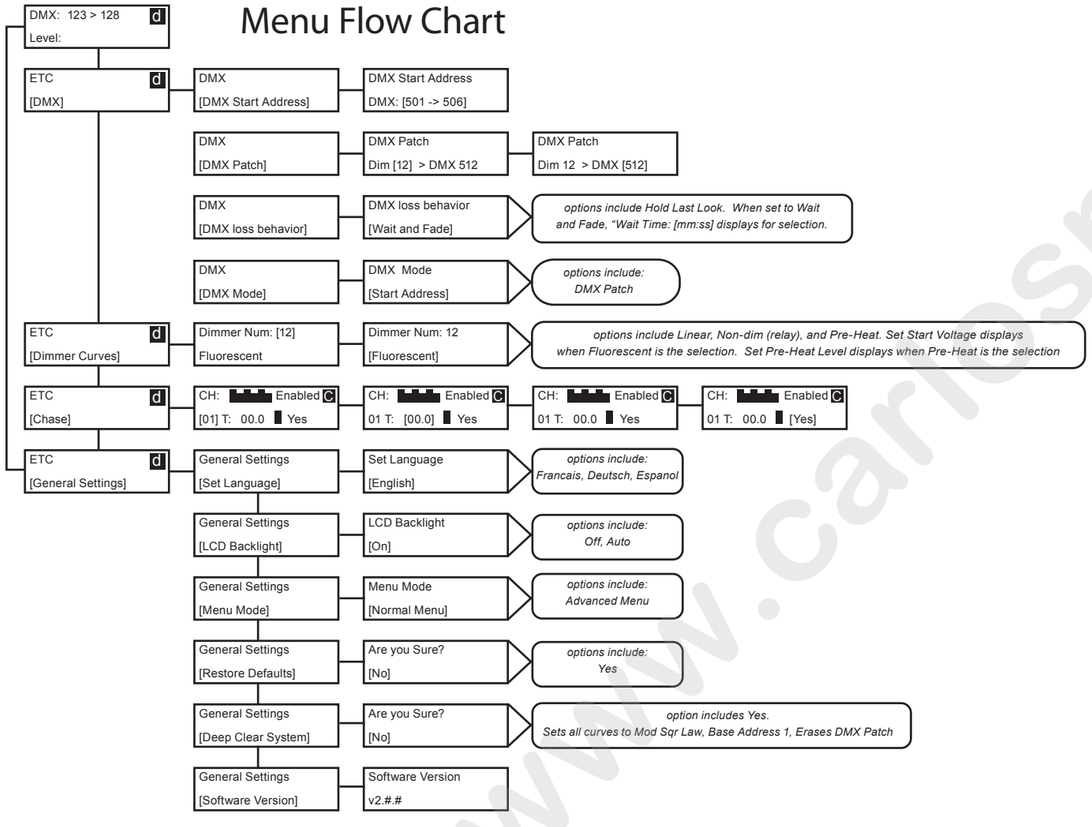
Keypad

- « returns to the home menu
- ‹ cancels the current operation and returns to the previous menu or selection
- ✔ activates a menu selection or stores a value
- ^ pressing once increases a value or menu choice by one.
- v pressing once decreases a value or menu choice by one.

NOTE: "+" and "-" values auto repeat with acceleration when pressed and held for two seconds.

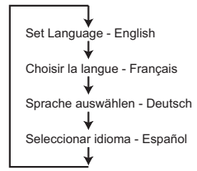
enters "Test Mode" from any menu. Exiting test returns to the previous menu.

Menu Flow Chart



First Time Power-up Display

The first time you apply power to the unit, you will be asked to choose a language for the operating system. The language options will cycle through at three second intervals. Press ✔ to set the displayed language option.



Normal Menu

The normal menu is used to view system status and to set the DMX start address for the unit. The start address range is determined by the size of the unit but limited to DMX address 512. A two channel unit has a range of 001 - 511, a 4 channel unit has a range of 001 - 509, and the 6 channel unit has a range of 001 - 507.

Set the DMX Start Address

Step 1: Scroll to DMX, press ✔.
Step 2: Scroll to DMX Start Address, press ✔.
Step 3: Use + or - to scroll the start address range.
Step 4: Press ✔ to set the start address.

Test Menu

The test menu is a tool for testing dimmers and loads. In the absence of a DMX control source, the test menu may also be used to set dimmer levels. Enter test mode from any menu by pressing the test button.

Set dimmer levels in the test menu

Step 1: Use ‹ or ✔ to select one or [All] dimmers.
Step 2: Use + or - to set a level, press ✔. The menu will progress to the next channel.
Step 3: Press "Exit Test Mode **[Keep Test On]**" displays. Options are, **[Keep Test On]** which exits with test levels still active, **[Test: All Off]** which releases test levels then exits Test Mode.

NOTE: Press << to return to the main menu and clear all test levels.

DMX 512

DMX may be daisy chained from one unit to another utilizing the XLR connectors on the front of the unit. The DMX-Thru connector is self-terminated if no XLR connection is inserted.

RDM

RDM features of the SmartBar2 are available to RDM controllers with standard DMX cabling as described in the DMX section above.

RDM Identify - when this command is sent from a RDM controller, the LCD display of the SmartBar2 will flash.

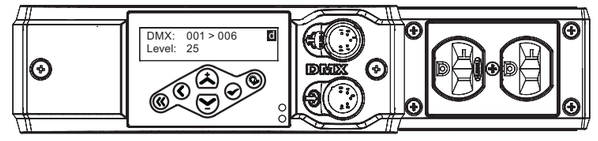
DMX Address - displays the DMX address and allows addressing to be changed from any RDM controller.

Replace DMX Transceiver

The DMX transceiver and a replacement spare is located behind the user interface control panel.

Warning: You must remove power to the unit prior to removing the control panel.

Step 1: Before removing the control board you must first loosen the screws on the convenience outlet cover located on the right side of the user interface.
Step 2: Remove the two screws securing the control panel to the unit.



Step 3: Gently pull the control panel out of the unit to reveal the control board on the back side.
Step 4: Remove the existing DMX transceiver chip and replace with the spare provided with the unit.
Step 5: Replace the control panel into the unit and secure with the two screws provided.
Step 6: Re-tighten the outlet cover screws.