

SMARTPACK

Congratulations

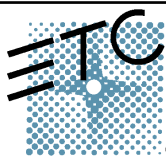
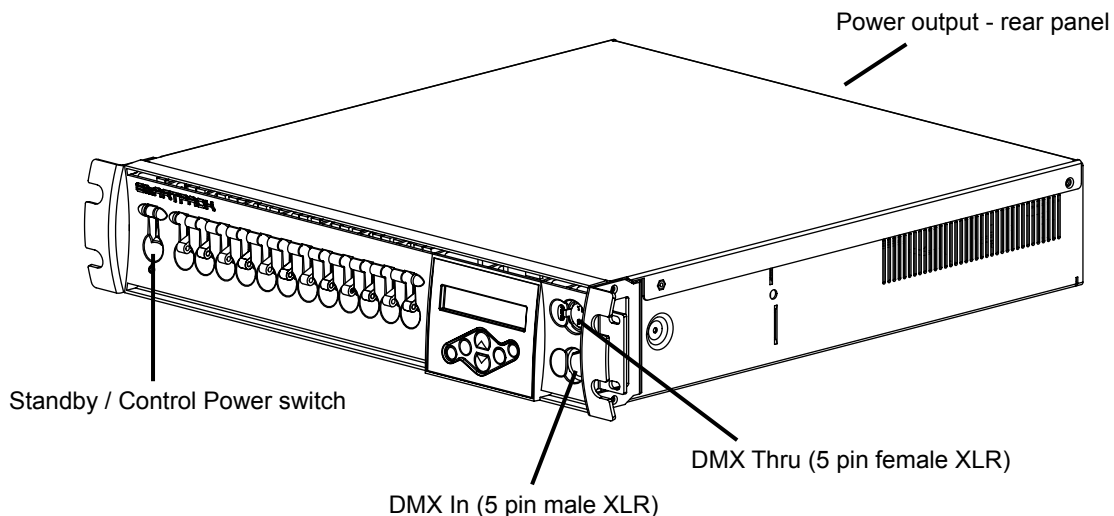
on your purchase of the ETC SmartPack. The SmartPack continues ETC's tradition of providing the highest quality products for the entertainment lighting market. If you have questions regarding the operation or installation of your SmartPack dimmer please contact ETC Technical Services at the office nearest you.

- ETC Americas Tel: 800 688 4116 (toll-free within USA)
- Tel: +1 608 831 4116 (from outside USA)
- Email: service@etconnect.com

- ETC Asia Tel: (+852) 2799 1220
- Email: service@etcasia.com

- ETC Europe Tel: (+44) 20 8896 1000
- Email: service@etceurope.com

SmartPack Connection and Operation



SMARTPACK

Initial Power-up display

The first time you apply power to the SmartPack you will be asked to choose a language for the operating system.

The language options cycle through the following four options at three second intervals. Press ✓ to select an option.

- └ Set Language - English
- └ Choisir la langue - Français
- └ Sprache auswählen - Deutsch
- └ Seleccionar idioma - Español

SmartPack Basic Features

Set DMX start address:

1. Scroll to **DMX**, press ✓
2. Scroll to **DMX Start Address**, press ✓
3. Use + or - to set Start Address.

Enter Advanced Menu:

1. Scroll to **General Settings**.
2. Scroll to **Menu Mode**, press ✓
3. Scroll to **Advanced Menu**, press ✓ and hold for 5 seconds.

Normal Menu

The normal menu is used to view system status and to set the DMX start address for SmartPack. The start address range is determined by the size of your SmartPack.


Start Address range:

- 6 channel pack: □ 001-507
- 12 channel pack: □ 001-501

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- └ Level
- └ DMX
- └ DMX Start Address
- └ General Settings
 - └ Software Version
 - └ Menu Mode
 - └ Advanced
- └ Diagnostics

Test Menu

To enter the Test menu, press 

Test Dimmer: [All] 


Level: 100%

To set a level for a dimmer:

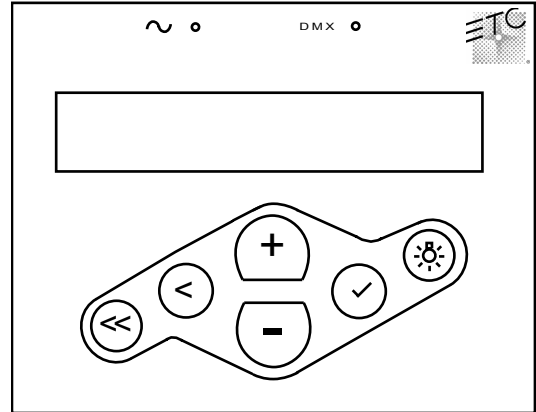
1. Use + or - to select one or All dimmers, press ✓
2. Use + or - to set a level.

To exit Test menu and retain all Levels, press <<

To clear a Level and return to the previous menu, press <


To retain all Levels and return to the previous menu, press 

User Interface



Use the + and - keys to increase / decrease a value or scroll through menu choices.

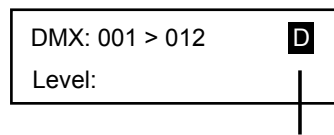
- << Returns you to the Home menu item.
- < Moves Back one menu item
- ✓ Accepts a menu choice or stores a value

 Activates the Test menu

[] Indicates an item can be selected


>> Indicates selected item


LCD Display




Control Symbol

The Control Symbol indicates the current control source.

 = DMX

 = Preset

 = Sequence

 = Test

Adjusting the Contrast of the LCD Display

Press and hold the << button and use the + and - buttons to adjust the contrast of the LCD display.

SMARTPACK

SmartPack Advanced Features

Advanced Menu

To enter Advanced Menu

1. Scroll to **General Settings**.
2. Scroll to **Menu Mode**, press ✓
3. Scroll to **Advanced Menu**, press ✓ and hold for 5 seconds.

DMX Patch

1. Scroll to **DMX**, press ✓
2. Scroll to **DMX Patch**, press ✓
3. Use + or - to increase dimmer or channel, press ✓ to save a value.

DMX Loss Behavior

Set the DMX Loss Behavior to either **Hold Last Look**, **Wait and Fade**, or **Fade to Preset**.

Hold Last Look - holds last valid DMX values infinitely.

Wait and Fade - maximum wait time is 59 minutes, 59 seconds, then fades to zero.

Fade to Preset - set a wait time and select a preset to fade to.

Set DMX Loss Behavior (Hold Last Look):

1. Scroll to **DMX**, press ✓
2. Scroll to **DMX Loss Behavior**, press ✓
3. Select to desired Loss Behavior and set values.

Presets

When you record a preset Smartpack will snapshot any level, whether set in the test menu or by a DMX input. If both are present it will record all levels. If you record a new preset using the same preset number SmartPack will record over the previous levels. Presets are activated in the default fade time of 3 seconds.

Record a Preset (snapshot):

1. Set dimmer levels with external DMX source or set a test level.
2. Scroll to **Presets** menu, press ✓
3. Scroll to **Record Preset**, press ✓
4. Scroll to select a Preset number, press ✓
5. Press ✓

Sequencer

A Sequence plays a series of recorded presets (sequentially). The order of execution is based on the first preset and the length is determined by the number of steps in a Sequence. A fade time and a hold time can be set for each step (Preset) in a Sequence. The default Fade time is 3 seconds, the default Hold time is 0 seconds. A sequence can be set to Loop continuously.

Fluorescent Start Voltage

Fluorescent circuits provide a dimmable output in the 5% to 100% control range. Trim the minimum RMS output voltage to match your specific ballast.

The default voltage is 47% of your mains voltage, change the Start Voltage value to make the minimum start voltage lower or higher.

Consult the ballast manufacturer's documentation for the appropriate minimum start voltage.

Power Up Behavior

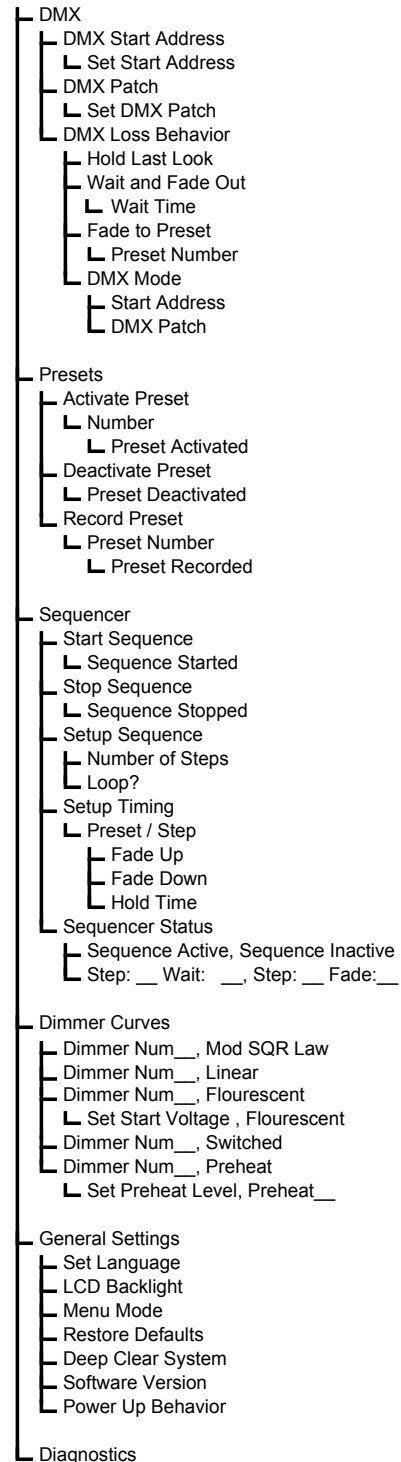
If a Preset or Sequence is playing, and power input is interrupted, the Power Up Behavior setting ensures that SmartPack will respond predictably when power is restored.

There are two options for Power Up Behavior:

1. Select **Normal** so that SmartPack will restore to a blank state (nothing playing).
2. Select **Previous State** so SmartPack restores to playing the same Preset or Sequence as it was prior to power loss.

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SMARTPACK

About the Standby / Control power Switch.

Use the Standby / Control power switch to start up and shut down operation of the SmartPack.

When STANDBY breaker on the far left is in the up/STANDBY -ON position the blue LED is illuminated indicating power is on.



Important note: when in the off/standby position the unit is still connected to the power supply.

When working on exposed load circuit wiring the load cables must be unplugged or the unit disconnected from the power supply.

Installing the Power Supply cable



Danger! Risk of shock, damage or injury if cable is incorrectly fitted.

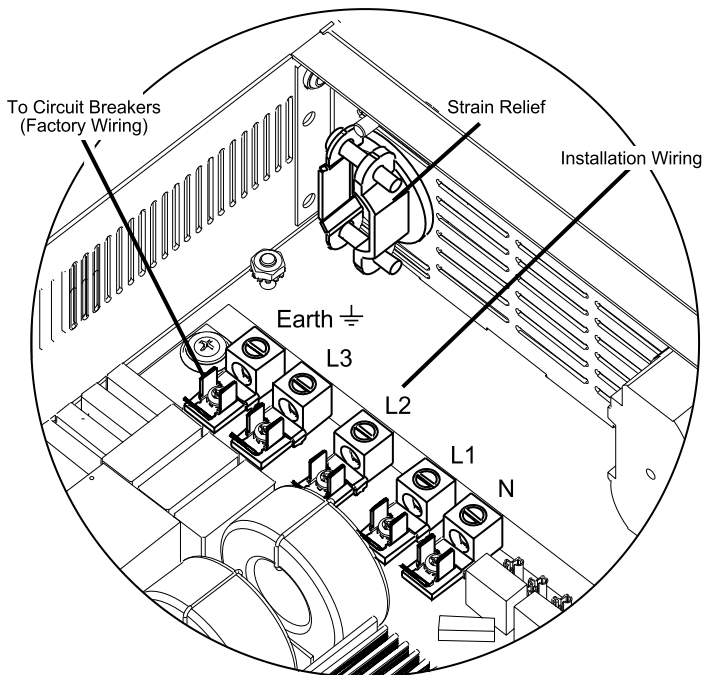
Slide enclosed heat shrink tubing over power cord so that it lines up with the back panel strain relief.

Power supply cable must be fitted and tested by a competent person.

The supply must be suitably protected by an external over-current device.

The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Work Area



CE Electrical Requirements

3 phase - fitted with 5 core x 6mm² double insulated tough rubber sheath cable, style HO7

Colour code:

Green/Yellow = Protective Earth (PE)

Blue = neutral

Black = L1

Brown = L2

Grey or Black = L3

Fitted with Line male CEE 32A 5 pin red connector

Single phase units fitted with 3 core x 10mm² double insulated tough rubber sheath cable, style HO7

Colour code:

Green/Yellow = PE

Blue = neutral

Brown = phase

Fitted with line male CEE 63A 3 pin blue connector

Cable to be 1.2m long

3 phase units require 32 A per phase. Single phase units are limited to a maximum current of 63 A.

UL Electrical Requirements

Power Input

40A, 120/208 VAC, 3Ø, 4 wire & ground, 50/60Hz 8/5 or 6/5 SO, SJO (or other approved cable)

60A, 120/240 VAC, 1Ø, 3 wire & ground, 50/60Hz 6/4 SO, SJO (or other approved cable)

Color Code:

Green = Ground/Earth

White = Neutral

Black = L1

Red = L2

Orange = L3

Stage Pin SmartPack:

Grounded stage pin receptacles - 20A, 120V, 2-pole, 3-wire

Edison SmartPack:

Grounded Edison receptacles - 20A, 120V, 2-pole, 3-wire

Twistlock SmartPack:

Grounded Twistlock® receptacles - 20A, 120V, 2-pole, 3-wire

PowerCon SmartPack:

Grounded PowerCon® receptacles - 20A, 120V, 2-pole, 3-wire

6 circuit multi-pin SmartPack:

6 circuit multi-pin connectors - 20A, 120V

Pins 1, 3, 5, 7, 9, 11 are hot

Pins 2, 4, 6, 8, 10, 12 are neutral

Pins 13 - 18 are ground