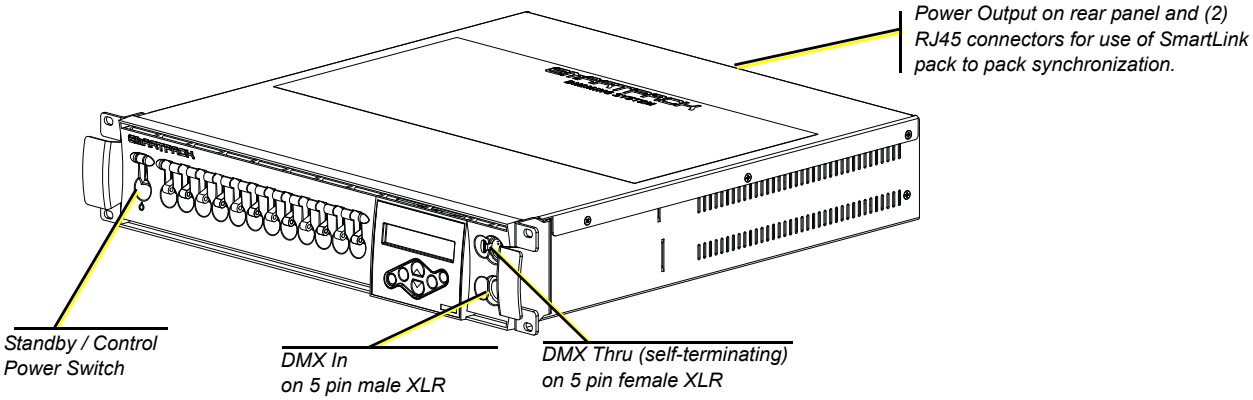
ETC® Setup Guide

SmartPack™ Portable

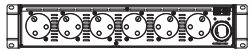
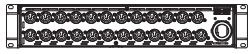
Overview

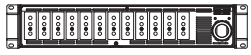
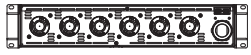
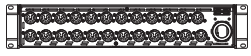
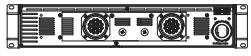
The SmartPack® Portable dimmer pack provides simple affordable portable dimming that can be operated stand-alone or combined into a small system. Standard features include SmartLink® enabled, six or twelve dimmers in a rugged steel industrial enclosure with 19”, 2U rack mounting brackets.

This setup guide includes instruction for setup of both UL LISTED and CE Compliance SmartPack dimmer packs. Reference the *SmartPack User Manual* for configuration and system operation.



Output Panel Options

UK 15A Roundpin	
CForm	
Shuko	
Power Con®	
Harting	
Multipin (selectable offsets)	

Stage Pin	Grounded stage pin receptacles 20A, 120 VAC, 2 pole, 3 wire	
Edison®	Grounded Edison receptacles 20A, 120 VAC, 2 pole, 3 wire	
Twist-Lock®	Grounded Twist-Lock receptacles 20A, 120 VAC, 2 pole, 3 wire	
Power Con®	Grounded Power Con receptacles 20A, 120 VAC, 2 pole, 3 wire	
6 Circuit Multipin with selectable offsets	6 circuit Multipin connectors 20A, 120 VAC	

Contact ETC for assistance with output panel options not mentioned above.

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7020M2230 ■ Rev E ■ Released 2012-10 ■ ETC intends this document to be provided in its entirety.

Electrical Requirements

CE Electrical Requirements

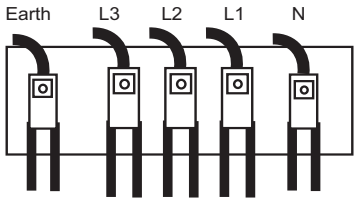
3 Phase Requirements (Europe)

A 5 core x 6mm^2 double insulated tough rubber sheath cable (HO7) is required (not supplied).

230V / 400V AC, 50-60Hz, 3P+N+PE

- Maximum and required current 32A per phase
- Colour Code:
  - Green / Yellow = Protective Earth (PE)
  - Blue = Neutral
  - Black = L1
  - Brown = L2
  - Grey or Black = L3

Three Phase Configuration



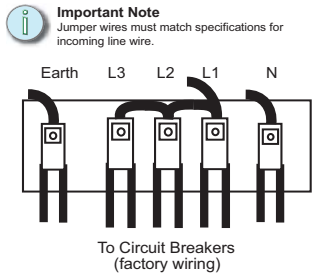
1 Phase Requirements (Europe)

A 3 core x 10mm^2 double insulated tough rubber sheath cable (HO7) is required (not supplied).

230V AC, 50-60Hz, 1P+N+PE

- Maximum current 63A
- Colour Code:
  - Green / Yellow = Protective Earth (PE)
  - Blue = Neutral
  - Brown = Phase

Single Phase Configuration (Europe)



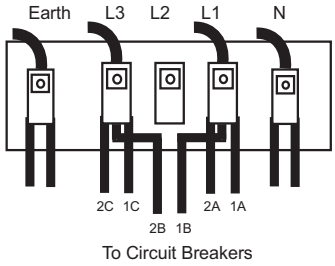
UL Electrical Requirements

Power Input

40A, 120V / 208V AC, 3 Phase, 4 wire and ground, 50 / 60Hz, 8/5 or 6/5 SO, SJO or equivalent
60A, 120V / 240V AC, 1 Phase, 3 wire and ground, 50 / 60Hz, 6/4 SO, SJO or equivalent

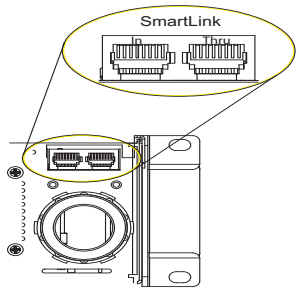
- Color Code:
  - Green = Ground / Earth
  - White = Neutral
  - Black = L1
  - Red = L2
  - Blue = L3

Single Phase Configuration (US)



SmartLink™ Enabled

A SmartLink enabled SmartPack is identified by the two RJ45 connectors labeled SmartLink on the rear of the unit.



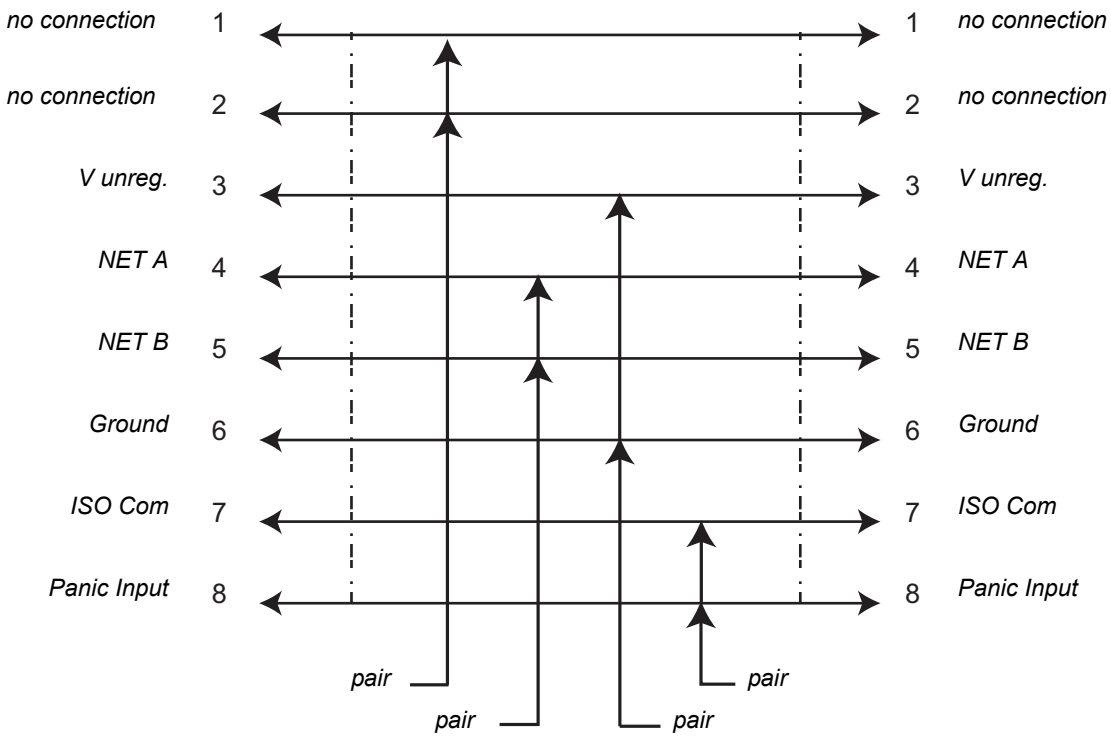
SmartLink is an architectural control system created for enhanced control of the 32 built-in presets and sequencer as found in the SmartPack. Reference the *SmartPack User Manual* for programming and configuration details.

SmartLink Cable Specification

A standard RJ45 to RJ45 straight through CAT 5 (minimum) cable is required for SmartLink.

Note: *The 3 channel 25 A Neutral Disconnect CE SmartPack Portable dimmer pack is not SmartLink enabled.*

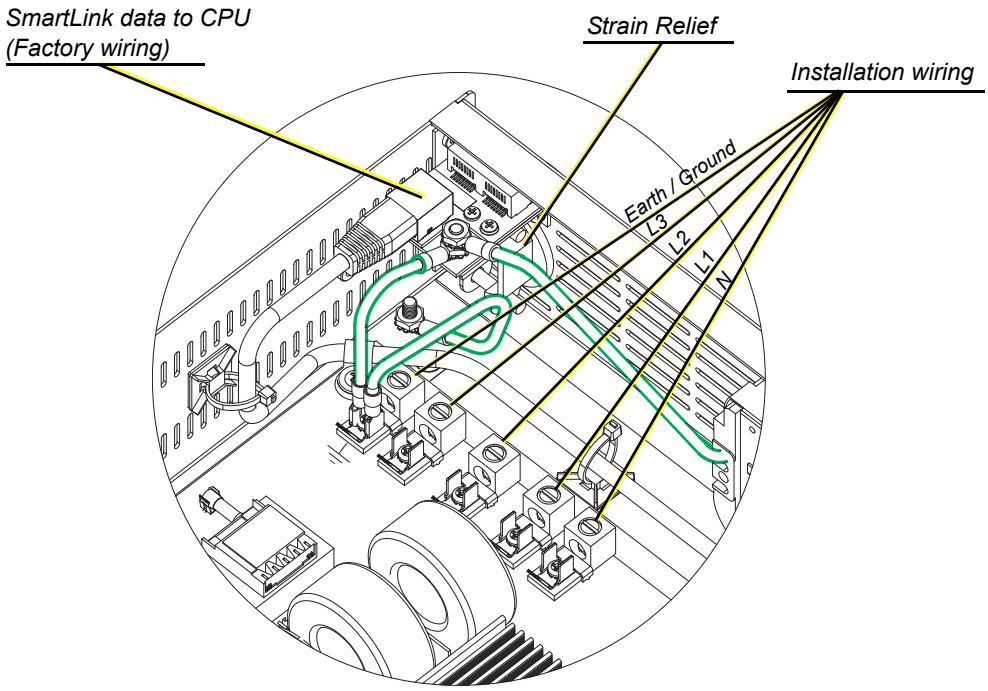
RJ45 Pinout using Cat 5 Cable



Installing the Power Supply Cable

WARNING: *Risk of electric shock! Damage or injury may occur if cable is incorrectly fitted.*

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



Step 1: Slide the heat shrink tubing, enclosed with the SmartPack, over the power cord so that it aligns with the back panel strain relief.

WARNING: *The power supply cable must be fitted and tested by a competent person.*

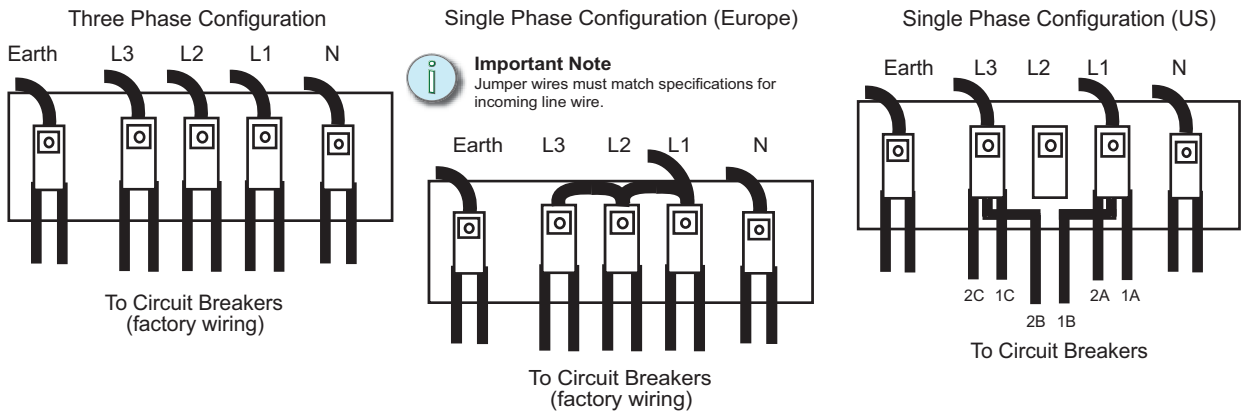
The supply must be suitable protected by an external over-current device.

The SmartPack must not be exposed to dripping or splashing liquids and no objects filled with liquid shall be placed on the SmartPack.

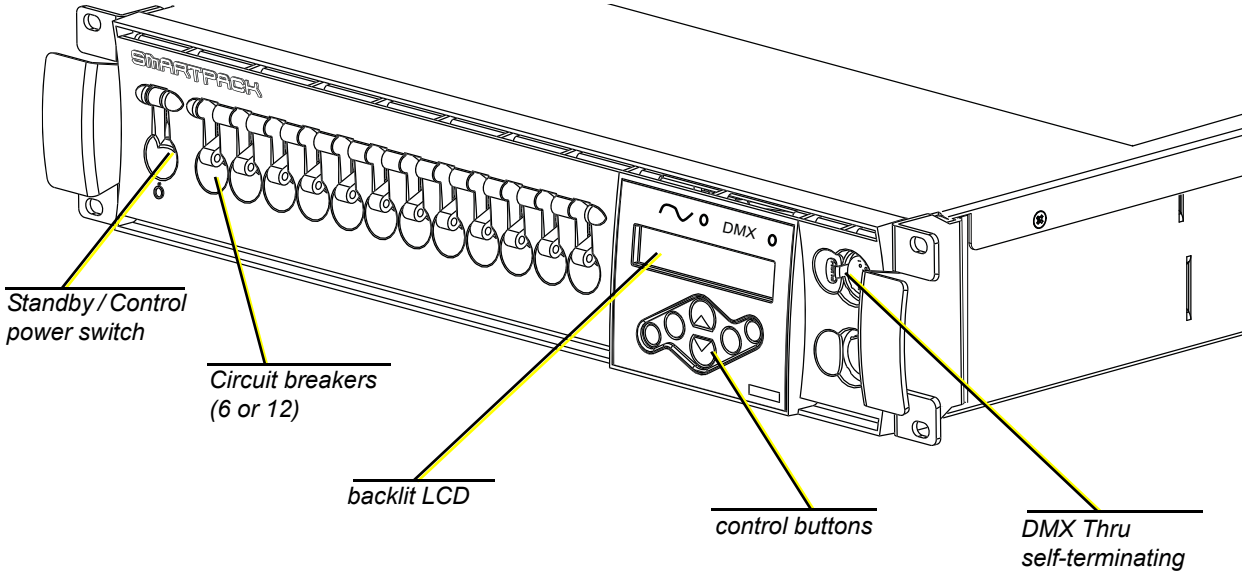
Step 2: Tighten the strain relief until snug. Do not over tighten.

Phase Cabling

Connect power supply cabling for standard installation. To modify factory wiring and change phase cabling, reference the graphics below:.



User Interface



Standby / Control

Use the Standby/Control power switch to start up and shut down the operation of the Smartpack. When the Standby breaker is ON, the blue LED is illuminated indicating the power is on. When the Standby breaker is OFF, the unit **is still connected** to the power supply but the power LED will not illuminate.

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

Circuit Breakers

Fully rated magnetic circuit breakers to eliminate nuisance tripping.

Backlit LCD

The LCD display is a high contrast 20-character by 2-line backlit LCD.

Control Buttons

Use the control buttons to navigate through the SmartPack menu.

Symbol	Description
<<	Return to the home menu
<	Move back one menu item
✔	Accept a menu choice or store a value
+	Increase a value or scroll through the menu
-	Decrease a value or scroll through the menu
☼	Activate the Test menu
~	Power LED - when illuminated, control power is ON
DMX	DMX LED - when flashing, NO DMX source is present. When illuminated fully, active DMX is present.

DMX

DMX may be daisy-chained from one panel to another utilizing the XLR connectors on the front of the unit. When daisy-chaining DMX, utilizing only the XLR connectors, the DMX-Thru connector is self terminated when no connection is made.

System Test

After power is applied to the unit and all loads are properly connected to the output panel, select the operating language and test each load using the Test Menu.

Select the Operating Language

Step 1: Apply power to the unit. Available languages for SmartPack will scroll in the display at 3-second intervals.

Step 2: Press ✔ when the preferred language is displayed:

- Set Language - English
- Choisir la langue - Français
- Sprache auswählen - Duetsch
- Seleccionar isioma - Español

Set a Level for a Dimmer

Step 1: Press ☼ to enter the Test menu.

Step 2: Use < or ✔ to scroll the list of dimmers, selecting one or [ALL]

Step 3: Use + or - to set a level, press ✔ .

Step 4: Press ☼. “Exit Test Mode” displays.

- Exit Test Mode and retain all Test levels, scroll to [Keep Test On] and press ✔ .
- Exit Test Mode clearing all Test levels and return to the previous menu, scroll to [Test: all off], press ✔ .
- Press < to return to the Test Menu
- Press << to exit the Test Menu, clearing all Test levels, and return to the main menu.