

<b>Project</b>		<b>Catalog #</b>		<b>Type</b>	
<b>Prepared by</b>		<b>Notes</b>		<b>Date</b>	



## DMX Scene Kit

CTRL - DMX - SCENE - KIT

### Product Description

Complete DMX lighting control kits featuring a 70-scene touchscreen wall station with intuitive preset buttons. Available in four configurations to match your project requirements: Basic kits include a compact 24VDC power supply for smaller installations, while Basic Plus kits include a NEMA 1 DMX Splitter Panel for signal amplification and distribution in larger systems. Add a second controller for multi-location scene control with the Remote Kit options.

### Product Features

- Complete kits include touchscreen controller(s) and power supply
- 70 programmable scene presets on one DMX512 universe
- Operates as DMX console or snapshot/playback device
- Intuitive touchscreen interface with alphanumeric preset labeling
- Interactive real-time digital sliders for manual control
- Automatic proximity sense and ambient light sensing
- Dry contact input for external preset triggering
- Password-protected access for secure operation
- Ultra-low power consumption (< 1W operation, < 0.25W standby)
- Fits standard single-gang electrical back box
- Available in white or black finish
- Daisy-chain up to 15 stations per zone
- Up to 30 DMX devices (Basic) or 120 devices via 4 DMX runs (Basic Plus)
- DMX cable runs up to 1,000 ft (300m for CAT6)
- Contractor-friendly installation

## Kit Selection Guide

Part Number	Kit Name	Controllers	Power / Distribution	Best For
CTRL-DMX-SCENE-KIT-BASIC	Basic	1	24VDC PSU	Single location, small systems
CTRL-DMX-SCENE-KIT-BASIC-WITHREMOTE-KIT	Basic + Remote	2	24VDC PSU	Two locations, small systems
CTRL-DMX-SCENE-KIT-BASIC-PLUS-SINGLE	Basic Plus	1	DMX Splitter Panel	Single location, larger systems
CTRL-DMX-SCENE-KIT-BASIC-PLUS-WITHREMOTE	Basic Plus + Remote	2	DMX Splitter Panel	Two locations, larger systems

## Specifications

<b>Controller Model</b>	PWS-70P-W/B	<b>Max Stations</b>	15 per zone (daisy-chained)
<b>Scene Presets</b>	70 programmable scenes	<b>Max Cable Length</b>	1,000 ft (DMX), 300 ft (CAT6)
<b>DMX Protocol</b>	DMX512	<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>DMX Outputs</b>	1 (Basic), 4 isolated (Basic Plus)	<b>Humidity</b>	10-90% non-condensing
<b>Max DMX Devices</b>	30 (Basic), 120 (Basic Plus)	<b>Controller Mounting</b>	Single-gang back box (extra deep)

## Electrical Specifications

<b>System Input (Basic)</b>	100-240VAC, 50-60Hz
<b>System Input (Basic Plus)</b>	120VAC, 60Hz
<b>Controller Input</b>	24VDC (from included PSU or panel)
<b>Controller Power</b>	< 1W operation, < 0.25W standby

## 24VDC Power Supply Specifications (Basic Kits)

<b>Model</b>	JSU240-0750
<b>Input</b>	100-240VAC, 50-60Hz
<b>Output</b>	24VDC @ 0.75A (18W)
<b>Regulation</b>	±5% (line & load)
<b>Ripple &amp; Noise</b>	200mV pk-pk max
<b>Efficiency</b>	≥85% (Level VI)
<b>Standby Power</b>	< 100mW
<b>Protection</b>	Over-voltage and short circuit protected
<b>Safety</b>	UL60950, CSA, FCC Part 15 Class B
<b>Mounting</b>	4-inch electrical junction box

## DMX Splitter Panel Specifications (Basic Plus Kits)

<b>Model</b>	CTRL-PNL-DMX-SPLIT-NEMA1-120V
<b>Input</b>	120VAC, 60Hz
<b>DMX Splitter</b>	ENTTEC DIN RDS4 Mk2 (4-port isolated)
<b>Internal PSU</b>	Mean Well HDR-30-24 (24VDC, 30W)
<b>Enclosure</b>	NEMA 1, 12 x 12 x 4 in (HxWxD)
<b>Circuit Protection</b>	1A supplementary protector
<b>DMX Outputs</b>	4 isolated DMX512 outputs
<b>Mounting</b>	Wall mount with knockouts

## Dimensions

<b>Controller (W x H):</b>	3.1 in x 4.88 in (78.7mm x 123.9mm)
<b>Controller Depth:</b>	1.44 in (36.6mm)
<b>24VDC PSU:</b>	1.77 x 1.89 x 2.95 in (45 x 48 x 75mm)
<b>DMX Splitter Panel:</b>	12 x 12 x 4 in (305 x 305 x 102mm)

## Mounting

The touchscreen controller mounts in a standard single-gang extra deep electrical back box. The controller is not gangable with other devices. For Basic kits, the 24VDC power supply is permanently installed by securing it to a standard 4-inch electrical junction box and must be installed on a grounded box. For Basic Plus kits, the DMX Splitter Panel mounts to a wall surface with appropriate hardware. Follow all local electrical codes for installation.

## Ordering Information

Part Number	Description
CTRL-DMX-SCENE-KIT-BASIC	DMX Scene Kit - Basic: 1x PWS-70P controller + 24VDC PSU
CTRL-DMX-SCENE-KIT-BASIC-WITHREMOTE-KIT	DMX Scene Kit - Basic + Remote: 2x PWS-70P controllers + 24VDC PSU
CTRL-DMX-SCENE-KIT-BASIC-PLUS-SINGLE	DMX Scene Kit - Basic Plus: 1x PWS-70P controller + DMX Splitter Panel
CTRL-DMX-SCENE-KIT-BASIC-PLUS-WITHREMOTE	DMX Scene Kit - Basic Plus + Remote: 2x PWS-70P controllers + DMX Splitter Panel
PWS-70P-W	70-Scene DMX Wall Station, White
PWS-70P-B	70-Scene DMX Wall Station, Black
JSU240-0750	24VDC 0.75A Power Supply (for 4-inch junction box)
CTRL-PNL-DMX-SPLIT-NEMA1-120V	DMX Splitter Panel, NEMA 1, 120VAC Input