

7PZ IP

Set Up

“First” Power Cable – A special power “First” cable is included with every fixture. This cable is used to provide power to your fixture. This cable comes with the IP rated twist lock connector on one end and a standard Edison 3-prong, grounded prong on the other end. Be sure to only use this cable for power distribution and never attempt to connect this cable to the DMX lines.

You can chain multiple fixtures together through serial linking. Using the IP rated signal cables provided through ADJ (part# TRU113). Always be sure to daisy-chain your in and out data connections, never split or “Y” your DMX connections unless you are using an approved DMX splitter such as the ADJ WiFly D6 Branch or the original D6 Branch (Both not IP rated).

Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

5-Pin XLR DMX Connectors. Some manufactures use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

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4 Channel - HSI

Channel	Value	Function
1	0 - 255	HUE 0% - 100%
2	0 - 255	SATURATION 0% - 100%
3	0 - 255	INTENSITY 0% - 100%
4	0 - 255	ZOOM NARROW - WIDE

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5 Channel - RGBW

Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	ZOOM NARROW - WIDE

7PZ IP		5 Channel - HSI + Zoom
Channel	Value	Function
1	0 - 255	HUE 0% - 100%
2	0 - 255	SATURATION 0% - 100%
3	0 - 255	INTENSITY 0% - 100%
4	0 - 255	ZOOM NARROW - WIDE
5	0 - 20 21 - 40 41 - 60 61 - 80 81 - 100 101 - 255	DIMMER CURVES STANDARD STAGE TV ARCHITECTURAL THEATER DEFAULT TO UNIT CURVE SETTING

7PZ IP		6 Channel - RGBW + Zoom
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	MASTER DIMMER 0% - 100%
6	0 - 255	ZOOM NARROW - WIDE

7PZ IP		7 Channel - sRGBWI
Channel	Value	Function
1	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	SHUTTER/STROBE LED OFF LED ON STROBING SLOW - FAST LED ON STROBE PULSE SLOW - FAST LED ON RANDOM STROBE SLOW - FAST LED ON
2	0 - 255	RED 0% - 100%
3	0 - 255	GREEN 0% - 100%
4	0 - 255	BLUE 0% - 100%
5	0 - 255	WHITE 0% - 100%
6	0 - 255	INTENSITY 0% - 100%
7	0 - 255	ZOOM NARROW - WIDE

7PZ IP		7 Channel - RGBW
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	MASTER DIMMER 0% - 100%
6	0 - 255	MASTER DIMMER (FINE) 0% - 100%
7	0 - 255	ZOOM NARROW - WIDE

7PZ IP		8 Channel - RGBW
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	SHUTTER/STROBE LED OFF LED ON STROBING SLOW - FAST LED ON STROBE PULSE SLOW - FAST LED ON RANDOM STROBE SLOW - FAST LED ON
6	0 - 255	MASTER DIMMER 0% - 100%
7	0 - 255	MASTER DIMMER (FINE) 0% - 100%
8	0 - 255	ZOOM NARROW - WIDE

7PZ IP		9 Channel - RGBW
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	SHUTTER/STROBE LED OFF LED ON STROBING SLOW - FAST LED ON STROBE PULSE SLOW - FAST LED ON RANDOM STROBE SLOW - FAST LED ON
6	0 - 255	MASTER DIMMER 0% - 100%
7	0 - 255	MASTER DIMMER (FINE) 0% - 100%
8	0 - 255	ZOOM NARROW - WIDE
9	0 - 20 21 - 40 41 - 60 61 - 80 81 - 100 101 - 255	DIMMER CURVES STANDARD STAGE TV ARCHITECTURAL THEATER DEFAULT TO UNIT CURVE SETTING

7PZ IP		10 Channel - RGBW 16-bit
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	RED (FINE) 0% - 100%
3	0 - 255	GREEN 0% - 100%
4	0 - 255	GREEN (FINE) 0% - 100%
5	0 - 255	BLUE 0% - 100%
6	0 - 255	BLUE (FINE) 0% - 100%
7	0 - 255	WHITE 0% - 100%
8	0 - 255	WHITE (FINE) 0% - 100%
9	0 - 255	ZOOM NARROW - WIDE
10	0 - 255	ZOOM (FINE) NARROW - WIDE

7PZ IP		10 Channel - HSI
Channel	Value	Function
1	0 - 31	SHUTTER/STROBE LED OFF
	32 - 63	LED ON
	64 - 95	STROBING SLOW - FAST
	96 - 127	LED ON
	128 - 159	STROBE PULSE SLOW - FAST
	160 - 191	LED ON
	192 - 223	RANDOM STROBE SLOW - FAST
	224 - 255	LED ON
2	0 - 255	HUE 0% - 100%
		SATURATION 0% - 100%
4	0 - 255	INTENSITY 0% - 100%
		COLOR MACROS (See page 34 for the Color Macro Chart)
6	0 - 255	ZOOM NARROW - WIDE
		AUTO PROGRAMS PROGRAM 1 PROGRAM 2 PROGRAM 3 PROGRAM 4 PROGRAM 5 PROGRAM 6 PROGRAM 7 PROGRAM 8 PROGRAM 9 PROGRAM 10 PROGRAM 11 PROGRAM 12 PROGRAM 13 GRADIENT EFFECT

7PZ IP		10 Channel - DMX Values & Functions
Channel	Value	Function
8	0 - 255	AUTO PROGRAMS SPEED SLOW - FAST
		AUTO PROGRAMS FADE SLOW - FAST
10	0 - 20	DIMMER CURVES STANDARD
	21 - 40	STAGE
	41 - 60	TV
	61 - 80	ARCHITECTURAL
	81 - 100	THEATER
	101 - 255	DEFAULT TO UNIT CURVE SETTING

7PZ IP		12 Channel - RGBWI
Channel	Value	Function
1	0 - 31	SHUTTER/STROBE LED OFF
	32 - 63	LED ON
	64 - 95	STROBING SLOW - FAST
	96 - 127	LED ON
	128 - 159	STROBE PULSE SLOW - FAST
	160 - 191	LED ON
	192 - 223	RANDOM STROBE SLOW - FAST
	224 - 255	LED ON
2	0 - 255	RED 0% - 100%
		GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
		WHITE 0% - 100%
4	0 - 255	INTENSITY 0% - 100%
		COLOR MACROS (See page 34 for the Color Macro Chart)
5	0 - 255	ZOOM NARROW - WIDE
		AUTO PROGRAMS
6	1 - 20	PROGRAM 1
	21 - 40	PROGRAM 2
	41 - 60	PROGRAM 3
	61 - 80	PROGRAM 4
	81 - 100	PROGRAM 5
	101 - 120	PROGRAM 6
	121 - 140	PROGRAM 7
	141 - 160	PROGRAM 8
	161 - 180	PROGRAM 9
	181 - 200	PROGRAM 10

7PZ IP		12 Channel - RGBWI
Channel	Value	Function
9	201 - 220	AUTO PROGRAMS PROGRAM 11
	221 - 240	PROGRAM 12
	241 - 250	PROGRAM 13
	251 - 255	GRADIENT EFFECT
		AUTO PROGRAMS SPEED SLOW - FAST
10	0 - 255	AUTO PROGRAMS FADE SLOW - FAST
11	0 - 255	DIMMER CURVES STANDARD
12	0 - 20	STAGE
	21 - 40	TV
	41 - 60	ARCHITECTURAL
	61 - 80	THEATER
	81 - 100	DEFAULT TO UNIT CURVE SETTING
101 - 255		

7PZ IP		13 Channel - RGBW
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	COLOR MACROS (See page 34 for the Color Macro Chart)
6	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	SHUTTER/STROBE LED OFF LED ON STROBING SLOW - FAST LED ON STROBE PULSE SLOW - FAST LED ON RANDOM STROBE SLOW - FAST LED ON
7	0 - 255	MASTER DIMMER 0% - 100%
8	0 - 255	MASTER DIMMER (FINE) 0% - 100%
9	0 - 255	ZOOM NARROW - WIDE
10	1 - 20 21 - 40 41 - 60 61 - 80 81 - 100 101 - 120 121 - 140 141 - 160	AUTO PROGRAMS PROGRAM 1 PROGRAM 2 PROGRAM 3 PROGRAM 4 PROGRAM 5 PROGRAM 6 PROGRAM 7 PROGRAM 8

7PZ IP		13 Channel - RGBW
Channel	Value	Function
10	161 - 180 181 - 200 201 - 220 221 - 240 241 - 250 251 - 255	AUTO PROGRAMS PROGRAM 9 PROGRAM 10 PROGRAM 11 PROGRAM 12 PROGRAM 13 GRADIENT EFFECT
11	0 - 255	AUTO PROGRAMS SPEED SLOW - FAST
12	0 - 255	AUTO PROGRAMS FADE SLOW - FAST
13	0 - 20 21 - 40 41 - 60 61 - 80 81 - 100 101 - 255	DIMMER CURVES STANDARD STAGE TV ARCHITECTURAL THEATER DEFAULT TO UNIT CURVE SETTING