
Big Stik Portable Dimmer

USER'S MANUAL



Introduction

This Manual is supplied with your Big Stik Dimmer System. Copies of this manual may be obtained through EDI's web-site for no charge. If a hard copy is needed, it can be obtained from the factory for a nominal charge.

No part of this Manual may be reproduced by any means, graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems, without the express written permission of Electronics Diversified, Inc., except in connection with installation, repair and maintenance of installed Big Stik Dimmer Systems.

Description

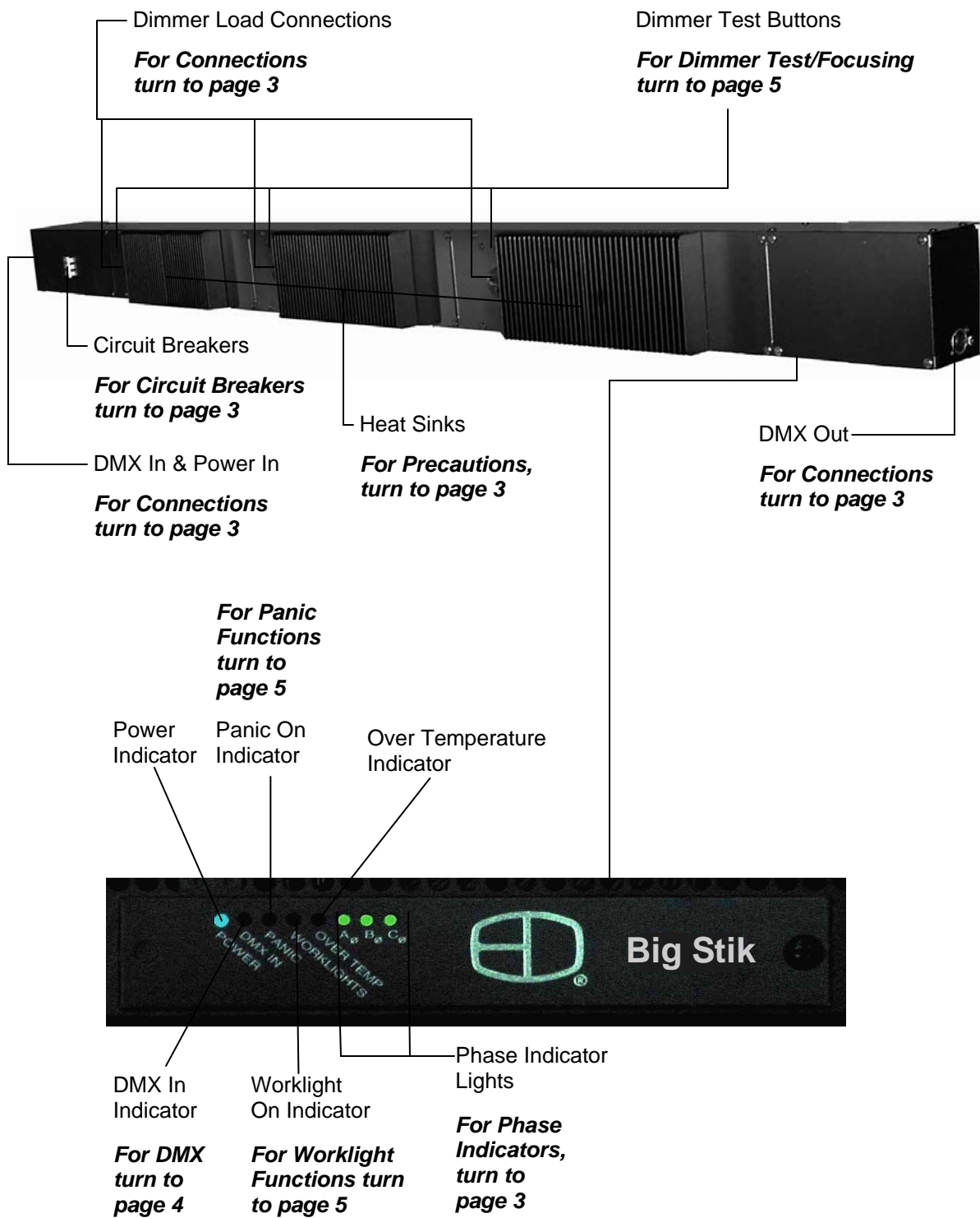
The Big Stik is a powerful , multi-purpose dimmer. The Big Stik is available in two different standard configurations : three 2.4kW modules or six 1.2kW modules. Options such as fluorescent dimming modules and various dimming loads on dimmers may be featured on custom units.

The Big Stik comes with a digital card accepting DMX-512 protocol. In addition, the Big Stik has assignable work-lights and panic functions that can be remotely activated over 1000 feet of cable.

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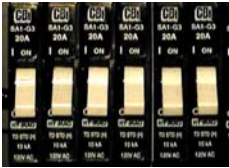
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Features



Setup

(A) Big Stik breakers



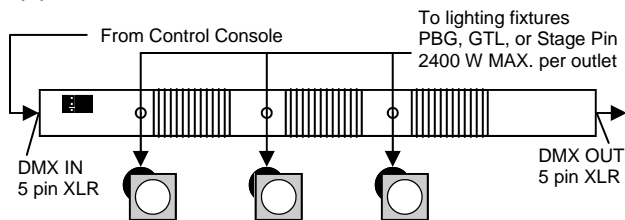
(B) Power indicator



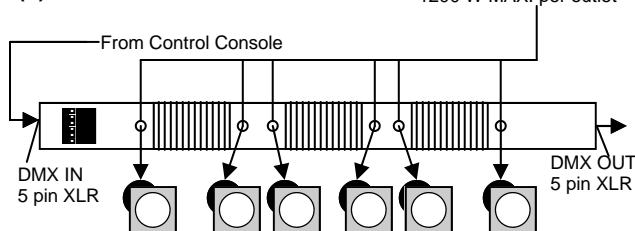
(C) Phase indicators



(D) 3 x 2.4 version



(E) 6 x 1.2 version



Precautions

Make sure to read the manual thoroughly before using the Big Stik Dimmer.

WARNING: Make sure area is cleared around the Big Stik. No flammable objects should be placed near the heat sinks. Sporadic operation or possible fire may occur.

Main Power Connections

The contractor should have wired the Big Stik input power connections. Locate the main breakers to the Big Stik and follow the Power Up procedures below.

Power Up

1. Turn on main power to the Big Stik Dimmer Pack.
2. Turn on breakers on the Big Stik (Figure A). **Make sure all control sources are at their lowest level or off.**

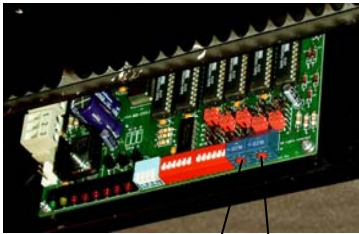
When the Main Feed is energized, The Power indicator (Figure B) at the bottom of the box lights, displaying that the control section of the rack and dimmers are powered. All three of the Phase indicators (Figure C) should be dimly lit. This represents normal operation. If one or more are brightly lit, refer to the Trouble Shooting section (page 6). The Rack is now powered up.

Load Power and DMX Connections

Connect the Big Stik as shown in Figs. D and E. Make sure that the levels on the control source are set at their lowest setting. Take caution in plugging in fixtures when the dimmer circuits are hot. To turn off dimmer circuits use the breakers located at the left side of the Big Stik. **Make sure not to exceed the wattage rating per outlet. This may cause serious damage to the Big Stik.**

Setup

(F) DMX Card



S2 S1
Dimmer Addressing
Switches (HEX)

(G) DMX Indicator DMX

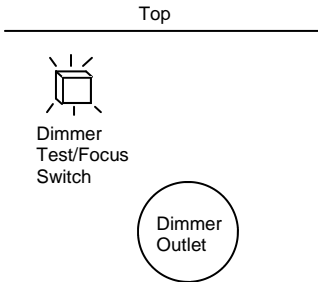


The Big Stik is designed to be controlled by a USITT DMX-512 source. Read the following instructions on how to address the dimmer:

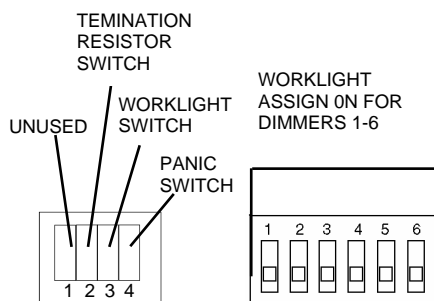
1. Unscrew the access panel at the bottom of the unit.
2. Locate the two DMX hex address switches (S1 and S2) (Figure F).
3. Select a proper starting address for the dimmer using the guide below (Figure H) and assign the dimmer using the two address switches (S1 and S2). If DMX is being accepted by the dimmer, the "DMX IN" light (Figure G) should be lit.
4. Test lights at the DMX controller (SMART, TSC, etc.) for proper function.
5. Replace access panel on dimmer.

(H) DMX address guide

S1 S2	addr.	S1 S2	addr.	S1 S2	addr.	S1 S2	addr.	S1 S2	addr.	S1 S2	addr.
0 0	off	2 B	85	5 6	171	8 1	257	A C	343	D 7	429
0 1	1	2 C	87	5 7	173	8 2	259	A D	345	D 8	431
0 2	3	2 D	89	5 8	175	8 3	261	A E	347	D 9	433
0 3	5	2 E	91	5 9	177	8 4	263	A F	349	D A	435
0 4	7	2 F	93	5 A	179	8 5	265	B 0	351	D B	437
0 5	9	3 0	95	5 B	181	8 6	267	B 1	353	D C	439
0 6	11	3 1	97	5 C	183	8 7	269	B 2	355	D D	441
0 7	13	3 2	99	5 D	185	8 8	271	B 3	357	D E	443
0 8	15	3 3	101	5 E	187	8 9	273	B 4	359	D F	445
0 9	17	3 4	103	5 F	189	8 A	275	B 5	361	E 0	447
0 A	19	3 5	105	6 0	191	8 B	277	B 6	363	E 1	449
0 B	21	3 6	107	6 1	193	8 C	279	B 7	365	E 2	451
0 C	23	3 7	109	6 2	195	8 D	281	B 8	367	E 3	453
0 D	25	3 8	111	6 3	197	8 E	283	B 9	369	E 4	455
0 E	27	3 9	113	6 4	199	8 F	285	B A	371	E 5	457
0 F	29	3 A	115	6 5	201	9 0	287	B B	373	E 6	459
1 0	31	3 B	117	6 6	203	9 1	289	B C	375	E 7	461
1 1	33	3 C	119	6 7	205	9 2	291	B D	377	E 8	463
1 2	35	3 D	121	6 8	207	9 3	293	B E	379	E 9	465
1 3	37	3 E	123	6 9	209	9 4	295	B F	381	E A	467
1 4	39	3 F	125	6 A	211	9 5	297	C 0	383	E B	469
1 5	41	4 0	127	6 B	213	9 6	299	C 1	385	E C	471
1 6	43	4 1	129	6 C	215	9 7	301	C 2	387	E D	473
1 7	45	4 2	131	6 D	217	9 8	303	C 3	389	E E	475
1 8	47	4 3	133	6 E	219	9 9	305	C 4	391	E F	477
1 9	49	4 4	135	6 F	221	9 A	307	C 5	393	F 0	479
1 A	51	4 5	137	7 0	223	9 B	309	C 6	395	F 1	481
1 B	53	4 6	139	7 1	225	9 C	311	C 7	397	F 2	483
1 C	55	4 7	141	7 2	227	9 D	313	C 8	399	F 3	485
1 D	57	4 8	143	7 3	229	9 E	315	C 9	401	F 4	487
1 E	59	4 9	145	7 4	231	9 F	317	C A	403	F 5	489
1 F	61	4 A	147	7 5	233	A 0	319	C B	405	F 6	491
2 0	63	4 B	149	7 6	235	A 1	321	C C	407	F 7	493
2 1	65	4 C	151	7 7	237	A 2	323	C D	409	F 8	495
2 2	67	4 D	153	7 8	239	A 3	325	C E	411	F 9	497
2 3	69	4 E	155	7 9	241	A 4	327	C F	413	F A	499
2 4	71	4 F	157	7 A	243	A 5	329	D 0	415	F B	501
2 5	73	5 0	159	7 B	245	A 6	331	D 1	417	F C	503
2 6	75	5 1	161	7 C	247	A 7	333	D 2	419	F D	505
2 7	77	5 2	163	7 D	249	A 8	335	D 3	421	F E	507
2 8	79	5 3	165	7 E	251	A 9	337	D 4	423	F F	509
2 9	81	5 4	167	7 F	253	A A	339	D 5	425		
2 A	83	5 5	169	8 0	255	A B	341	D 6	427		

(I) Partial Front section of Big Stik**(J) One screw front panel****(K) Panic and Worklight**

Panic and Worklight switches

(L) Worklight Assignment**Dimmer Test/Focus Switches**

The Big Stik is equipped with convenient test/focus (Figure I) switches for each dimmer circuit. When depressed, the dimmer is brought to full load and the button will light. To turn off, press the button again and the load will go to what is set by the control source. The button's light will extinguish.

Panic

The Big Stik dimmer is equipped with a Panic function. When activated, all dimmers go to full load. This feature is useful in troubleshooting and bringing all lights on. To turn on:

1. Unscrew the front panel (Figure J).
2. Locate the Panic switch (Figure L).
3. Toggle Panic switch to the "On" position (Figure I). When activated, the Panic light will turn on.

Depending on the installation, The Big Stik may be equipped with a remote Panic switch. Consult your representative for more details.

Worklights

The Big Stik is also equipped with a Worklight function. This function allows the user to easily bring on a specific set of lights manually from the dimmer to full.

To set and turn on the Worklights:

1. Unscrew the front panel (Figure J).
2. Locate and select the correct Worklight assigned dimmer switches using the diagram (Figure L).
3. Push the Worklight assigned dimmer switch to the "On" position.
4. Push the Worklight Switch and the light for the dimmer(s) should light up.

Troubleshooting

Symptom	Indicators	Causes	Remedy
System dead, no lights come on, regardless of controller settings.	No indicators are lit.	Unit is not powered.	Find main circuit breakers to Big Stik
	DMX indicator is not lit.	Control source is not talking to the dimmers.	Check to see if control source is on or improperly working.
	All correct lights are lit	Dimmer Breakers are off.	Turn on circuit breakers
		Analog source is not talking to the dimmer.	Check to see if control source is on or improperly working.
Some lights come on, but one or more will not.	One or more phase lights are brightly lit.	A phase is out.	Check main circuit breakers to Big Stik.
		Wiring is not connected securely or is improperly wired.	Call service technician.
	All correct lights are lit	Control board malfunctioning or blown SCR	Call service technician
Lights are on but cannot be controlled by the source	Panic indicator is lit	Panic is on and overriding the control source.	Turn off Panic.
Some lights are on but cannot be dimmed.	One or more Test/Focus indicators are lit	Test/Focus switches are on	Turn off Test/Focus switches
	Worklight indicator is lit.	Worklight is on	Turn off Worklight.
Lights will go out and come back on after some time	Overtemp indicator is lit	The unit is overheating.	Shut down and remove any obstructions from off the front of the unit. If the problem persists contact the factory.

Service

EDI offers a 24 hour Service/Support Network.

For technical questions about this product or operational assistance, ask for Customer Service at:

Telephone:.....1-800-547-2690


FAX:.....1-503-629-9877

Internet.....www.edionline.com

Internet E-Mail:.....service@edionline.com

If your Big Stik needs repair, call: 1-503-645-5533 for a Return Materials Authorization number. A shipping address will be furnished.

This dimmer is a product of:

 **Electronics
Diversified, Inc.** 1675 N.W. Cornelius Pass Road, Hillsboro, Oregon 97214 USA

Attention Big Stik Owners!

Please return this registration card immediately.

Your prompt attention to this matter will ensure your receiving up-dated technical information for this product as it becomes available. Please complete all information. Look for acknowledgement of your registration within 6-8 weeks.

Name: _____

Title: _____

Activation Date: _____

Facility and/or Company: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Fax: _____

E-mail: _____

Web site: _____

CUT ALONG DOTTED LINE



Mail To:
EDI User Manual Registration
1675 NW Cornelius Pass Road
Hillsboro, Oregon 97214

or FAX to: (503) 629-9877