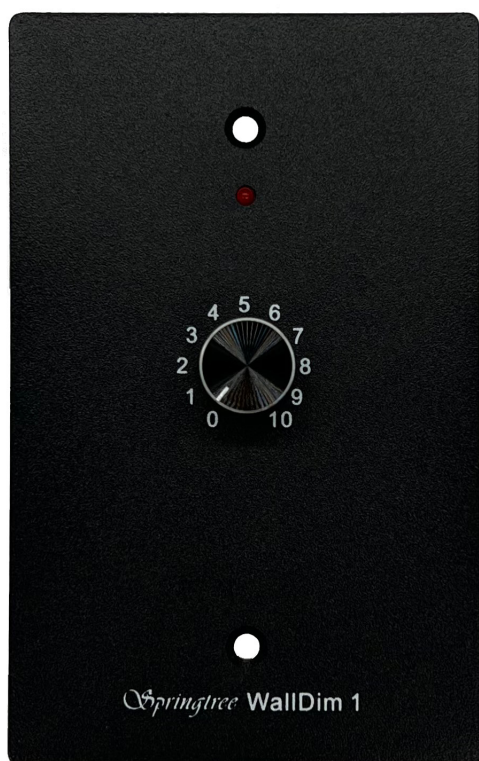




WallDim1 & WallDim5 DMX controllers



USER MANUAL AND INSTALLATION GUIDE

Table of Contents

1. Product Information

Description.....	3
Features.....	3

2. Installation

Power supply.....	4
Mounting.....	4
Connecting.....	4-5

3. Programming

Programming.....	6-8
------------------	-----

4. Technical Specifications

Dimensions.....	9
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4. Troubleshooting

Troubleshooting.....	10
Contact us.....	10

Product Information

Description

The WallDim1 and WallDim5 are stand alone, in-wall true DMX controllers. Fully addressable and ready to control one DMX channel on the WallDim1 or 5 consecutive channels with the WallDim5. No need for programming or additional consoles.

With the WallDim1 and WallDim5 you are ready to control any 1-5 DMX channel light or device right out of the box.

Features

- Self-contained 1 and 5 channel DMX control
- Stackable (Highest takes precedence)
- DMX IN and OUT



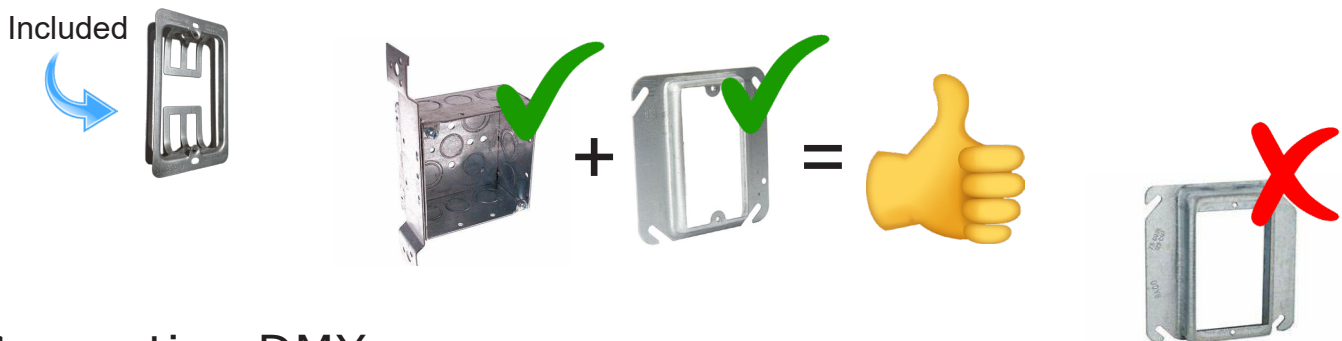
Installation

Power Supply

The Springtree WallDim1 and WallDim5 uses a standard 12V power supply (provided). Be sure to ground your unit to prevent damage. ***See “Connecting Power and Grounding” on page 5***

Mounting

The Dim1 and Dim5 come with a single gang mud ring but can also be mounted in a RACO 2 gang electrical box with a RACO 1 device mud ring cover seen below. ***Only the mud ring with tabs will fit.***

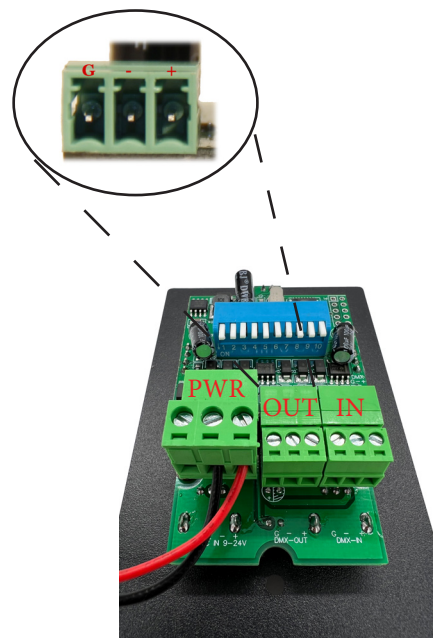
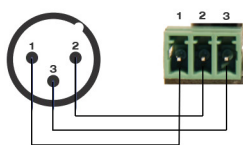


Connecting DMX

Connect as shown below. Power in is to the left. DMX out is in the center and DMX in is to the right. Attention audio people: DMX is backwards from audio. Pin 2 is negative and pin 3 is positive. Most of the time pin 2 will be a white or red wire. Pin 3 will always be black.

DMX Wiring

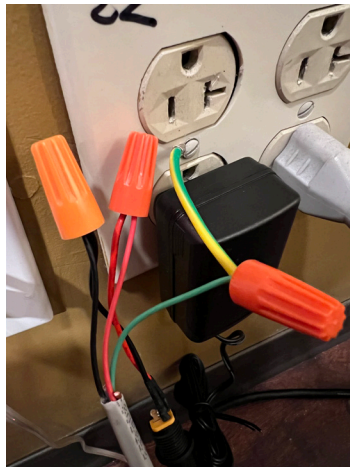
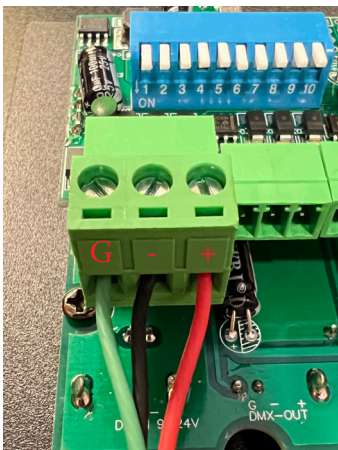
- Pin 1 = Ground
- Pin 2 = Negative
- Pin 3 = Positive (Hot)



Installation - cont.

Connecting Power and Grounding

The WallDim1 and WallDim5 comes with a short power whip that connects to the 12v power supply that is provided. If there is power close simply connect the WallDim1 or WallDim5 to the power supply. If power is not nearby, power can be extended with 18 gauge low voltage cable.

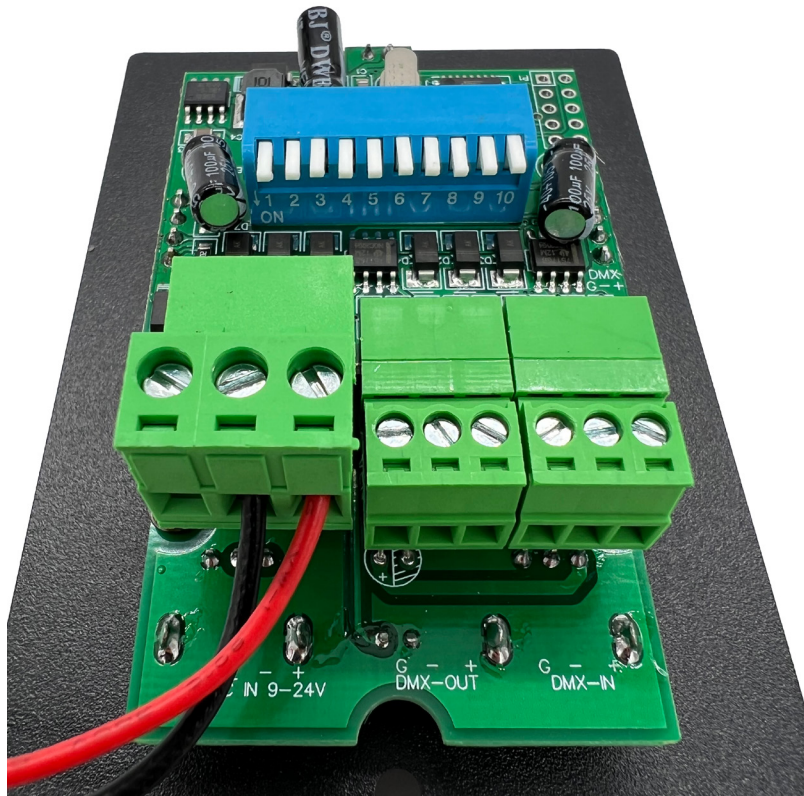


The Springtree WallDim1 and Wall-Dim5 should be grounded in order to prevent static shock damage. Using a short 18 gauge whip the WallDim units can be grounded to the outlet that is providing power.

Programming - DMX dip switches

Dip Switches

The WallDim1 and WallDim 5 DMX addressing is done via dip switches on the back. The WallDim unit should be addressed to whatever DMX channel you would like to control. For example to control DMX address 001 the dip switch #1 should be turned on. For DMX address 005 the dip switches #1 and #3 should be on. Refer to the dip switch chart on the following pages for more addressing.



Dip	1	2	3	4	5	6	7	8	9	10
Value	1	2	4	8	16	32	64	128	256	512

Programming - DMX dip switches cont.

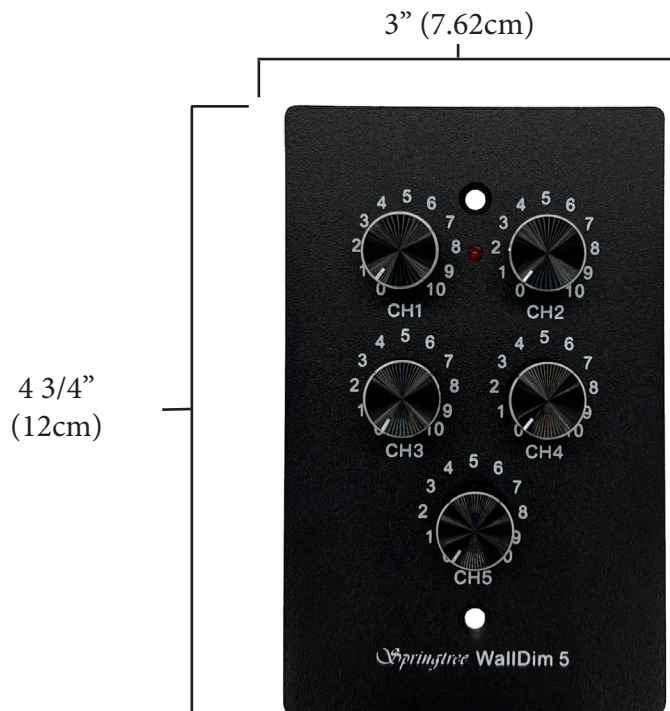
Ch#	Dip Switch On	Ch#	Dip Switch On	Ch#	Dip Switch On	Ch#	Dip Switch On
1	= 1	64	= 7	127	= 1, 2, 3, 4, 5, 6, 7	190	= 2, 3, 4, 5, 6, 8
2	= 2	65	= 1, 7	128	= 8	191	= 1, 2, 3, 4, 5, 6, 8
3	= 1, 2	66	= 2, 7	129	= 1, 8	192	= 7, 8
4	= 3	67	= 1, 2, 7	130	= 2, 8	193	= 1, 7, 8,
5	= 1, 3	68	= 3, 7	131	= 1, 2, 8	194	= 2, 7, 8,
6	= 2, 3	69	= 1, 3, 7	132	= 3, 8	195	= 1, 2, 7, 8
7	= 1, 2, 3	70	= 2, 3, 7	133	= 1, 3, 8	196	= 3, 7, 8
8	= 4	71	= 1, 2, 3, 7	134	= 2, 3, 8	197	= 1, 3, 7, 8
9	= 1, 4	72	= 4, 7	135	= 1, 2, 3, 8	198	= 2, 3, 7, 8
10	= 2, 4	73	= 1, 4, 7	136	= 4, 8	199	= 1, 2, 3, 7, 8
11	= 1, 2, 4	74	= 2, 4, 7	137	= 1, 4, 8	200	= 4, 7, 8,
12	= 3, 4	75	= 1, 2, 4, 7	138	= 2, 4, 8	201	= 1, 4, 7, 8
13	= 1, 3, 4	76	= 3, 4, 7	139	= 1, 2, 4, 8	202	= 2, 4, 7, 8
14	= 2, 3, 4	77	= 1, 3, 4, 7	140	= 3, 4, 8	203	= 1, 2, 4, 7, 8
15	= 1, 2, 3, 4	78	= 2, 3, 4, 7	141	= 1, 3, 4, 8	204	= 3, 4, 7, 8
16	= 5	79	= 1, 3, 4, 7	142	= 2, 3, 4, 8	205	= 1, 3, 4, 7, 8
17	= 1, 5	80	= 5, 7	143	= 1, 2, 3, 4, 8	206	= 2, 3, 4, 7, 8
18	= 2, 5	81	= 1, 5, 7	144	= 5, 8	207	= 1, 2, 3, 4, 7, 8
19	= 1, 2, 5	82	= 2, 5, 7	145	= 1, 5, 8	208	= 5, 7, 8
20	= 3, 5	83	= 1, 2, 5, 7	146	= 2, 5, 8	209	= 1, 5, 7, 8
21	= 1, 3, 5	84	= 3, 5, 7	147	= 1, 2, 5, 8	210	= 2, 5, 7, 8
22	= 2, 3, 5	85	= 1, 3, 5, 7	148	= 3, 5, 8	211	= 1, 2, 5, 7, 8
23	= 1, 2, 3, 5	86	= 2, 3, 5, 7	149	= 1, 3, 5, 8	212	= 3, 5, 7, 8
24	= 4, 5	87	= 1, 2, 3, 5, 7	150	= 2, 3, 5, 8	213	= 1, 3, 5, 7, 8
25	= 1, 4, 5	88	= 4, 5, 7	151	= 1, 2, 3, 5, 8	214	= 2, 3, 5, 7, 8
26	= 2, 4, 5	89	= 1, 4, 5, 7	152	= 4, 5, 8	215	= 1, 2, 3, 5, 7, 8
27	= 1, 2, 4, 5	90	= 2, 4, 5, 7	153	= 1, 4, 5, 8	216	= 4, 5, 7, 8
28	= 3, 4, 5	91	= 1, 2, 4, 5, 7	154	= 2, 4, 5, 8	217	= 1, 4, 5, 7, 8
29	= 1, 3, 4, 5	92	= 3, 4, 5, 7	155	= 1, 2, 4, 5, 8	218	= 2, 4, 5, 7, 8
30	= 2, 3, 4, 5	93	= 1, 3, 4, 5, 7	156	= 3, 4, 5, 8	219	= 1, 2, 4, 5, 7, 8
31	= 1, 2, 3, 4, 5	94	= 2, 3, 4, 5, 7	157	= 1, 3, 4, 5, 8	220	= 3, 4, 5, 7, 8
32	= 6	95	= 1, 2, 3, 4, 5, 7	158	= 2, 3, 4, 5, 8	221	= 1, 3, 4, 5, 7, 8
33	= 1, 6	96	= 6, 7	159	= 1, 2, 3, 4, 5, 8	222	= 2, 3, 4, 5, 7, 8
34	= 2, 6	97	= 1, 6, 7	160	= 6, 8	223	= 1, 2, 3, 4, 5, 7, 8
35	= 1, 2, 6	98	= 2, 6, 7	161	= 1, 6, 8	224	= 6, 7, 8
37	= 1, 3, 6	100	= 3, 6, 7	163	= 1, 2, 6, 8	226	= 2, 6, 7, 8
38	= 2, 3, 6	101	= 1, 3, 6, 7	164	= 3, 6, 8	227	= 1, 2, 6, 7, 8
39	= 1, 2, 3, 6	102	= 2, 3, 6, 7	165	= 1, 3, 6, 8	228	= 3, 6, 7, 8
40	= 4, 6	103	= 1, 2, 3, 6, 7	166	= 2, 3, 6, 8	229	= 1, 3, 6, 7, 8
41	= 1, 4, 6	104	= 4, 6, 7	167	= 1, 2, 3, 6, 8	230	= 2, 3, 6, 7, 8
42	= 2, 4, 6	105	= 1, 4, 6, 7	168	= 4, 6, 8	231	= 1, 2, 3, 6, 7, 8
43	= 1, 2, 4, 6	106	= 2, 4, 6, 7	169	= 1, 4, 6, 8	232	= 4, 6, 7, 8
44	= 3, 4, 6	107	= 1, 2, 4, 6, 7	170	= 2, 4, 6, 8	233	= 1, 4, 6, 7, 8
45	= 1, 3, 4, 6	108	= 3, 4, 6, 7	171	= 1, 2, 4, 6, 8	234	= 2, 4, 6, 7, 8
46	= 2, 3, 4, 6	109	= 1, 3, 4, 6, 7	172	= 3, 4, 6, 8	235	= 1, 2, 4, 6, 7, 8
47	= 1, 2, 3, 4, 6	110	= 2, 3, 4, 6, 7	173	= 1, 3, 4, 6, 8	236	= 3, 4, 6, 7, 8
48	= 5, 6	111	= 1, 2, 3, 4, 6, 7	174	= 2, 3, 4, 6, 8	237	= 1, 3, 4, 6, 7, 8
49	= 1, 5, 6	112	= 5, 6, 7	175	= 1, 2, 3, 4, 6, 8	238	= 2, 3, 4, 6, 7, 8
50	= 2, 5, 6	113	= 1, 5, 6, 7	176	= 5, 6, 8	239	= 1, 2, 3, 4, 6, 7, 8
51	= 1, 2, 5, 6	114	= 2, 5, 6, 7	177	= 1, 5, 6, 8	240	= 5, 6, 7, 8
52	= 3, 5, 6	115	= 1, 2, 5, 6, 7	178	= 2, 5, 6, 8	241	= 1, 5, 6, 7, 8
53	= 1, 3, 5, 6	116	= 3, 5, 6, 7	179	= 1, 2, 5, 6, 8	242	= 2, 5, 6, 7, 8
54	= 2, 3, 5, 6	117	= 1, 3, 5, 6, 7	180	= 3, 5, 6, 8	243	= 1, 2, 5, 6, 7, 8
55	= 1, 2, 3, 5, 6	118	= 2, 3, 5, 6, 7	181	= 1, 3, 5, 6, 8	244	= 3, 5, 6, 7, 8
56	= 4, 5, 6	119	= 1, 2, 3, 5, 6, 7	182	= 2, 3, 5, 6, 8	245	= 1, 3, 5, 6, 7, 8
57	= 1, 4, 5, 6	120	= 4, 5, 6, 7	183	= 1, 2, 3, 5, 6, 8	246	= 2, 3, 5, 6, 7, 8
58	= 2, 4, 5, 6	121	= 1, 4, 5, 6, 7	184	= 4, 5, 6, 8	247	= 1, 2, 3, 5, 6, 7, 8
59	= 1, 2, 4, 5, 6	122	= 2, 4, 5, 6, 7	185	= 1, 4, 5, 6, 8	248	= 4, 5, 6, 7, 8
60	= 3, 4, 5, 6	123	= 1, 2, 4, 5, 6, 7	186	= 2, 4, 5, 6, 8	249	= 1, 4, 5, 6, 7, 8
61	= 1, 3, 4, 5, 6	124	= 3, 4, 5, 6, 7	187	= 1, 2, 4, 5, 6, 8	250	= 2, 4, 5, 6, 7, 8
62	= 2, 3, 4, 5, 6	125	= 1, 3, 4, 5, 6, 7	188	= 3, 4, 5, 6, 8	251	= 1, 2, 4, 5, 6, 7, 8
63	= 1, 2, 3, 4, 5, 6	126	= 2, 3, 4, 5, 6, 7	189	= 1, 3, 4, 5, 6, 8	252	= 3, 4, 5, 6, 7, 8

Programming - DMX dip switches cont.

253 = 1, 3, 4, 5, 6, 7, 8	318 = 2, 3, 4, 5, 6, 9	383 = 1, 2, 3, 4, 5, 6, 7, 9	448 = 7, 8, 9
254 = 2, 3, 4, 5, 6, 7, 8	329 = 1, 2, 3, 4, 5, 6, 9	384 = 8, 9	449 = 1, 7, 8, 9
255 = 1, 2, 3, 4, 5, 6, 7, 8	320 = 7, 9	385 = 1, 8, 9	450 = 2, 7, 8, 9
256 = 9	321 = 1, 7, 9	386 = 2, 8, 9	451 = 1, 2, 7, 8, 9
257 = 1, 9	322 = 2, 7, 9	387 = 1, 2, 8, 9	452 = 3, 7, 8, 9
258 = 2, 9	323 = 1, 2, 7, 9	388 = 3, 8, 9	453 = 1, 3, 7, 8, 9
259 = 1, 2, 9	324 = 3, 7, 9	389 = 1, 3, 8, 9	454 = 2, 3, 7, 8, 9
260 = 3, 9	325 = 1, 3, 7, 9	390 = 2, 3, 8, 9	455 = 1, 2, 3, 7, 8, 9
261 = 1, 3, 9	326 = 2, 3, 7, 9	391 = 1, 2, 3, 8, 9	456 = 4, 7, 8, 9
262 = 2, 3, 9	327 = 1, 2, 3, 7, 9	392 = 4, 8, 9	457 = 1, 4, 7, 8, 9
263 = 1, 2, 3, 9	328 = 4, 7, 9	393 = 1, 4, 8, 9	458 = 2, 4, 7, 8, 9
264 = 4, 9	329 = 1, 4, 7, 9	394 = 2, 4, 8, 9	459 = 1, 2, 4, 7, 8, 9
265 = 1, 4, 9	330 = 2, 4, 7, 9	395 = 1, 2, 4, 8, 9	460 = 3, 4, 7, 8, 9
266 = 2, 4, 9	331 = 1, 2, 4, 7, 9	396 = 3, 4, 8, 9	461 = 1, 3, 4, 7, 8, 9
267 = 1, 2, 4, 9	332 = 3, 4, 7, 9	397 = 1, 3, 4, 8, 9	462 = 2, 3, 4, 7, 8, 9
268 = 3, 4, 9	333 = 1, 3, 4, 7, 9	398 = 2, 3, 4, 8, 9	463 = 1, 2, 3, 4, 7, 8, 9
269 = 1, 3, 4, 9	334 = 2, 3, 4, 7, 9	399 = 1, 2, 3, 4, 8, 9	464 = 5, 7, 8, 9
270 = 2, 3, 4, 9	335 = 1, 2, 3, 4, 7, 9	400 = 5, 8, 9	465 = 1, 5, 7, 8, 9
271 = 1, 2, 3, 4, 9	336 = 5, 7, 9	401 = 1, 5, 8, 9	466 = 2, 5, 7, 8, 9
272 = 5, 9	337 = 1, 5, 7, 9	402 = 2, 5, 8, 9	467 = 1, 2, 5, 7, 8, 9
273 = 1, 5, 9	338 = 2, 5, 7, 9	403 = 1, 2, 5, 8, 9	468 = 3, 5, 7, 8, 9
274 = 2, 5, 9	339 = 1, 2, 5, 7, 9	404 = 3, 5, 8, 9	469 = 1, 3, 5, 7, 8, 9
275 = 1, 2, 5, 9	340 = 3, 5, 7, 9	405 = 1, 3, 5, 8, 9	470 = 2, 3, 5, 7, 8, 9
276 = 3, 5, 9	341 = 1, 3, 5, 7, 9	406 = 2, 3, 5, 8, 9	471 = 1, 2, 3, 5, 7, 8, 9
277 = 1, 3, 5, 9	342 = 2, 3, 5, 7, 9	407 = 1, 2, 3, 5, 8, 9	472 = 4, 5, 7, 8, 9
278 = 2, 3, 5, 9	343 = 1, 2, 3, 5, 7, 9	408 = 4, 5, 8, 9	473 = 1, 4, 5, 7, 8, 9
279 = 1, 2, 3, 5, 9	344 = 4, 5, 7, 9	409 = 1, 4, 5, 8, 9	474 = 2, 4, 5, 7, 8, 9
280 = 4, 5, 9	345 = 1, 4, 5, 7, 9	410 = 2, 4, 5, 8, 9	475 = 1, 2, 4, 5, 7, 8, 9
281 = 1, 4, 5, 9	346 = 2, 4, 5, 7, 9	411 = 1, 2, 4, 5, 8, 9	476 = 3, 4, 5, 7, 8, 9
282 = 2, 4, 5, 9	347 = 1, 2, 4, 5, 7, 9	412 = 3, 4, 5, 8, 9	477 = 1, 3, 4, 5, 7, 8, 9
283 = 1, 2, 4, 5, 9	348 = 3, 4, 5, 7, 9	413 = 1, 3, 4, 5, 8, 9	478 = 2, 3, 4, 5, 7, 8, 9
284 = 3, 4, 5, 9	349 = 1, 3, 4, 5, 7, 9	414 = 2, 3, 4, 5, 8, 9	479 = 1, 2, 3, 4, 5, 7, 8, 9
285 = 1, 3, 4, 5, 9	350 = 2, 3, 4, 5, 7, 9	415 = 1, 2, 3, 4, 5, 8, 9	480 = 6, 7, 8, 9
286 = 2, 3, 4, 5, 9	351 = 1, 2, 3, 4, 5, 7, 9	416 = 6, 8, 9	481 = 1, 6, 7, 8, 9
287 = 1, 2, 3, 4, 5, 9	352 = 6, 7, 9	417 = 1, 6, 8, 9	482 = 2, 6, 7, 8, 9
288 = 6, 9	353 = 1, 6, 7, 9	418 = 2, 6, 8, 9	483 = 1, 2, 6, 7, 8, 9
289 = 1, 6, 9	354 = 2, 6, 7, 9	419 = 1, 2, 6, 8, 9	484 = 3, 6, 7, 8, 9
290 = 2, 6, 9	355 = 1, 2, 6, 7, 9	420 = 3, 6, 8, 9	485 = 1, 3, 6, 7, 8, 9
291 = 1, 2, 6, 9	356 = 3, 6, 7, 9	421 = 1, 3, 6, 8, 9	486 = 2, 3, 6, 7, 8, 9
292 = 3, 6, 9	357 = 1, 3, 6, 7, 9	422 = 2, 3, 6, 8, 9	487 = 1, 2, 3, 6, 7, 8, 9
293 = 1, 3, 6, 9	358 = 2, 3, 6, 7, 9	423 = 1, 2, 3, 6, 8, 9	488 = 4, 6, 7, 8, 9
294 = 2, 3, 6, 9	359 = 1, 2, 3, 6, 7, 9	424 = 4, 6, 8, 9	489 = 1, 4, 6, 7, 8, 9
295 = 1, 2, 3, 6, 9	360 = 4, 6, 7, 9	425 = 1, 4, 6, 8, 9	490 = 2, 4, 6, 7, 8, 9
296 = 4, 6, 9	361 = 1, 4, 6, 7, 9	426 = 2, 4, 6, 8, 9	491 = 1, 2, 4, 6, 7, 8, 9
297 = 1, 4, 6, 9	362 = 2, 4, 6, 7, 9	427 = 1, 2, 4, 6, 8, 9	492 = 3, 4, 6, 7, 8, 9
298 = 2, 4, 6, 9	363 = 1, 2, 4, 6, 7, 9	428 = 3, 4, 6, 8, 9	493 = 1, 3, 4, 6, 7, 8, 9
299 = 1, 2, 4, 6, 9	364 = 3, 4, 6, 7, 9	429 = 1, 3, 4, 6, 8, 9	494 = 2, 3, 4, 6, 7, 8, 9
300 = 3, 4, 6, 9	365 = 1, 3, 4, 6, 7, 9	430 = 2, 3, 4, 6, 8, 9	495 = 1, 2, 3, 4, 6, 7, 8, 9
301 = 1, 3, 4, 6, 9	366 = 2, 3, 4, 6, 7, 9	431 = 1, 2, 3, 4, 6, 8, 9	496 = 5, 6, 7, 8, 9
302 = 2, 3, 4, 6, 9	367 = 1, 2, 3, 4, 6, 7, 9	432 = 5, 6, 8, 9	497 = 1, 5, 6, 7, 8, 9
303 = 1, 2, 3, 4, 6, 9	368 = 5, 6, 7, 9	433 = 1, 5, 6, 8, 9	498 = 2, 5, 6, 7, 8, 9
304 = 5, 6, 9	369 = 1, 5, 6, 7, 9	434 = 2, 5, 6, 8, 9	499 = 1, 2, 5, 6, 7, 8, 9
305 = 1, 5, 6, 9	370 = 2, 5, 6, 7, 9	435 = 1, 2, 5, 6, 8, 9	500 = 3, 5, 6, 7, 8, 9
306 = 2, 5, 6, 9	371 = 1, 2, 5, 6, 7, 9	436 = 3, 5, 6, 8, 9	501 = 1, 3, 5, 6, 7, 8, 9
307 = 1, 2, 5, 6, 9	372 = 3, 5, 6, 7, 9	437 = 1, 3, 5, 6, 8, 9	502 = 2, 3, 5, 6, 7, 8, 9
308 = 3, 5, 6, 9	373 = 1, 3, 5, 6, 7, 9	438 = 2, 3, 5, 6, 8, 9	503 = 1, 2, 3, 5, 6, 7, 8, 9
309 = 1, 3, 5, 6, 9	374 = 2, 3, 5, 6, 7, 9	439 = 1, 2, 3, 5, 6, 8, 9	504 = 4, 5, 6, 7, 8, 9
310 = 2, 3, 5, 6, 9	375 = 1, 2, 3, 5, 6, 7, 9	440 = 4, 5, 6, 8, 9	505 = 1, 4, 5, 6, 7, 8, 9
311 = 1, 2, 3, 5, 6, 9	376 = 4, 5, 6, 7, 9	441 = 1, 4, 5, 6, 8, 9	506 = 2, 4, 5, 6, 7, 8, 9
312 = 4, 5, 6, 9	377 = 1, 4, 5, 6, 7, 9	442 = 2, 4, 5, 6, 8, 9	507 = 1, 2, 4, 5, 6, 7, 8, 9
313 = 1, 4, 5, 6, 9	378 = 2, 4, 5, 6, 7, 9	443 = 1, 2, 4, 5, 6, 8, 9	508 = 3, 4, 5, 6, 7, 8, 9
314 = 2, 4, 5, 6, 9	379 = 1, 2, 4, 5, 6, 7, 9	444 = 3, 4, 5, 6, 8, 9	509 = 1, 3, 4, 5, 6, 7, 8, 9
315 = 1, 2, 4, 5, 6, 9	380 = 3, 4, 5, 6, 7, 9	445 = 1, 3, 4, 5, 6, 8, 9	510 = 2, 3, 4, 5, 6, 7, 8, 9
316 = 3, 4, 5, 6, 9	381 = 1, 3, 4, 5, 6, 7, 9	446 = 2, 3, 4, 5, 6, 8, 9	511 = 1, 2, 3, 4, 5, 6, 7, 8, 9
317 = 1, 3, 4, 5, 6, 9	382 = 2, 3, 4, 5, 6, 7, 9	447 = 1, 2, 3, 4, 5, 6, 8, 9	512 = 0

Technical Specifications

Dimensions:



- Power: 12V
- Weight: .3 lbs
- Finish: Black or White Aluminum

Safety Precautions

- To reduce the risk of electrical shock or fire, do not expose this unit to moisture.
- Be sure that the local power outlet matches that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- This fixture is intended for indoor use ONLY!
- Keep this manual for as long as you own this product!

Troubleshooting

Lights not responding?

1. Check that the 12V power supply is plugged in and connected to the WallDim1 or WallDim5 unit.
2. Check that the DMX cables are connected properly and are wired correctly.
3. Check the dip switches. Is your fixture addressed the same as the WallDim1 or Wall-Dim5 unit?

Contact us

Springtree Media Group would like to thank you for choosing our company for your lighting needs! If you have any questions or concerns, please contact us.

Office hours:

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