DMX CO2 Jet Instructions

Thank you for purchasing Salvin's DMX CO2 Jet. When used within specifications, the DMX CO2 Jet should add years of excitement to your productions, nightclub, or events.

The Salvin DMX CO2 Jet has two modes of operation:

DMX Mode – Jet is activated by a DMX controller. Power is always supplied to the power cord.

LOCAL Mode – Jet is activated when power is supplied to the power cord. Jet is deactivated when power is no longer supplied to the power cord.

Configuring the DMX CO2 Jet for your desired mode of control

LOCAL Mode: To use the DMX CO2 Jet in Local mode, all that you need to do is flip the rocker switch to the LOCAL position (as shown in figure 1). Once the rocker switch is positioned in this mode, all other configuration switches become irrelevant. The DMX CO2 Jet will now operate the same as all previous generations of the Salvin CO2 Jet – Apply power to the power cord, the CO2 Jet is activated – The Jet is deactivated when power is no longer supplied to the power cord.

Figure 1

DMX Mode: To use the DMX CO2 Jet in DMX mode, you will need to do a little bit of configuring. For starters, you need to flip the rocker switch to the DMX position (as shown in figure 2).

Figure 2

DMX Addressing: The next bit of configuration is to set the DMX512 address on the dipswitches (as shown in figure 3). This is done using the standard "binary" addressing technique as used on many DMX512 lighting and effects fixtures. There is a guide imprinted on the DMX CO2 Jet to remind you of the values of each switch. Refer to the index for a table listing dipswitch positions for each address.

Figure 3

Note: If you are using address "1", dipswitch #1 can be set to "ON" or "OFF". The unit is setup so that when all dipswitches are "OFF" the address equals "1". The unit can be set either way for address "1"

IMPORTANT NOTE: When using DMX Mode, Dipswitch #10 must be set to "OFF". If dipswitch #10 is set to "ON", DMX control will not function properly.

DMX Mode LED Indicators: The DMX CO2 Jet provides two LED indicators that highlight normal operation when the unit is configured to be used in DMX mode:

Green (Power): This LED lights to indicate that the DMX CO2 Jet has power.

Red (DMX Status): This LED indicates the status of the DMX input.

- With no DMX present, the LED flashes about once per second.

- When the DMX CO2 Jet is receiving valid DMX packets, the LED flashes at a much faster rate, many times per second.

- If a valid DMX stream is not sensed after a period of ~150ms, the LED will revert to a slow 1 second flash, and the DMX CO2 Jet will not fire.

Chart A - US Standard DMX 512 Chart - Most Fixture, See Chart B For Exceptions

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
36	= 3, 6	99	= 1, 2, 6, 7	162	= 2, 6, 8	225	= 1, 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

Ch#	Dip Switch On	Ch#	Dip Switch On	Ch#	Dip Switch On	Ch#	Dip Switch On
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