

DMX 1-Channel Relay Board

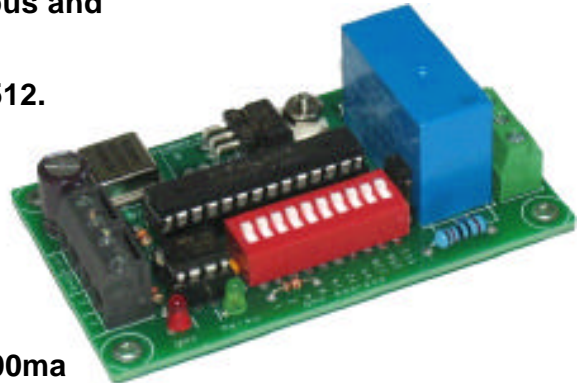
Version 1.1 -2010
WD1558

Overview

A single channel DMX switch for switching loads up to 10A
The DMX-switch operates on the standard DMX512 bus and requires 1 channel for operation.

The board Base Address may be set between 1 and 512.

Mechanical Relays Rated: 10 Amps @ 240V AC.
Board Requires 12 VDC @ 0.5 Amp Supply.



Setup

Connections

Power and DMX Signal - 4-way block:

Power:

Ground (-) and Power +V connection = +V 12V DC @ 500ma

DMX Network:

- 2 DMX Data - signal line connection (Black Wire)
- 3 DMX Data + signal line connection (White Wire)
- 3-Pin header - DMX termination resistor On/Off Jumper (**TRM**)

Relay Output Connection:

3-way Block - **NO**- Normal Open, **C**-Common Connection, **NC**- Normal Closed Connection
Load connections- single pole double throw contacts rated at **10A / 240V AC**

Settings - (See **DMX 512 Address Chart** for details)

Set the base address of Relay Output using the DIP switches 1 through 10, as follows:

Add the value of the address DIP switches set to the **ON** position to calculate the base address.

Example: DIP switches 16 and 32 set to **ON** position, the base address is now 48, this setting is used to determine the starting address output of the Relay (see pages on Addressing for more details on addressing)

Board defaults to address 1 if all address switches at OFF and to 512 if the address adds-up to more than 512.

DMX LED- **ON** when a suitable DMX signal is being received or a flashing LED when **NO** valid DMX signal stream is being received by the 1-Ch DMX relay board.

Relay LED

ON when the Relay is activated.

The board requires a 12V DC supply at 0.5 Amps.

Connect the relay board to the DMX network using 5-pin XLR connectors. If the DMX Relay board is the last item on the network, place a jumper over the pins marked TRM. This will improve the performance of the DMX network, acting as a DMX Network Termination.

Connect the loads / devices to the relevant volt-free relay output . (See relay setup and application example pages for details). Relay is rated at 10 Amps.

Control Syntax - (See Pages on Control / Addressing)

The output channel will go high (**ON**) when the DMX transmitted value is selected.

Value - 0 = Relay OFF (0%) Value - 255 = Relay ON (100%)

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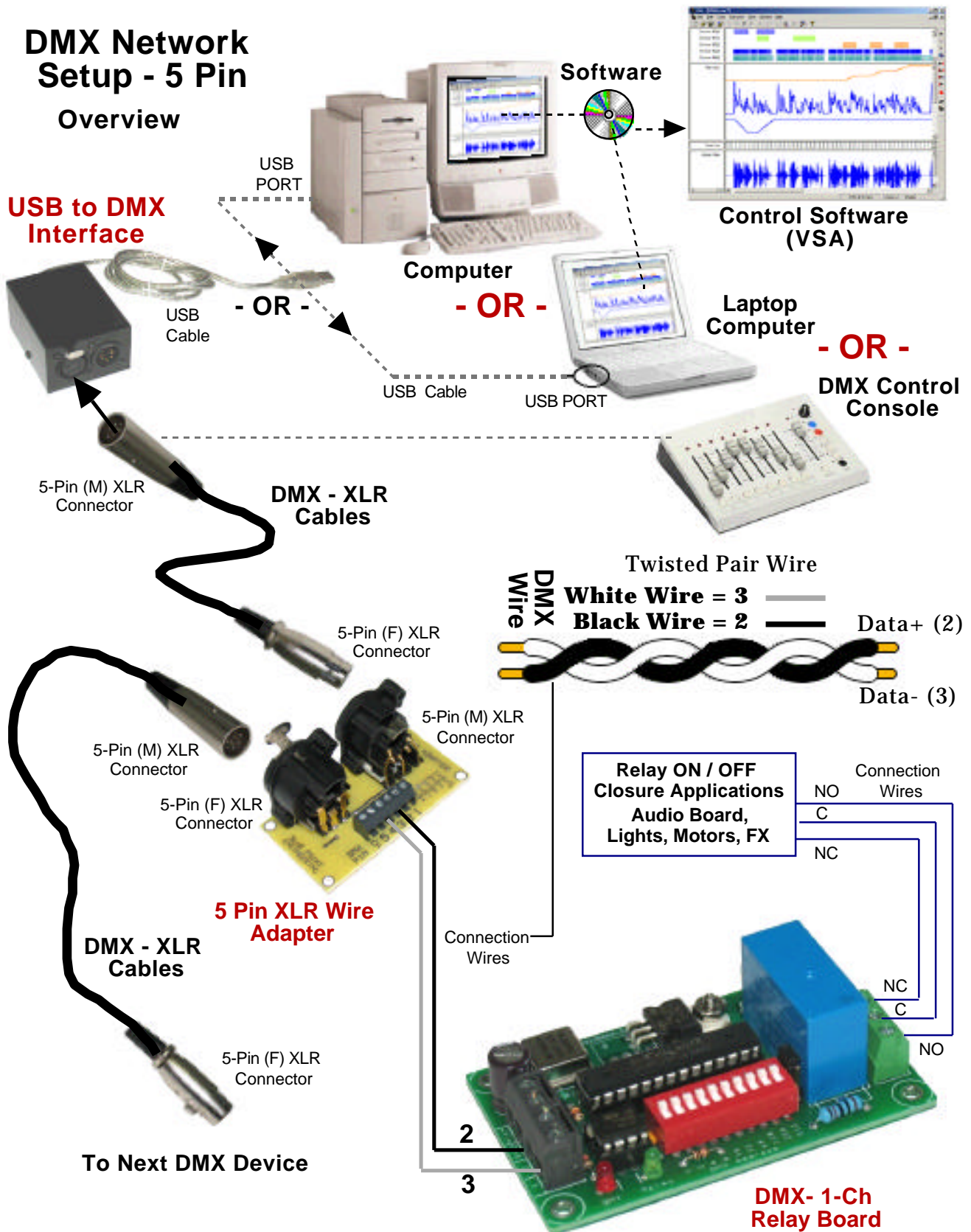
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DMX 1-Channel Relay Board

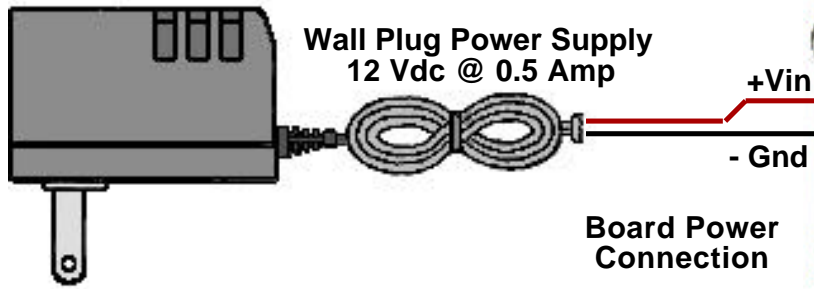
Technical T

DMX Network Setup - 5 Pin Overview

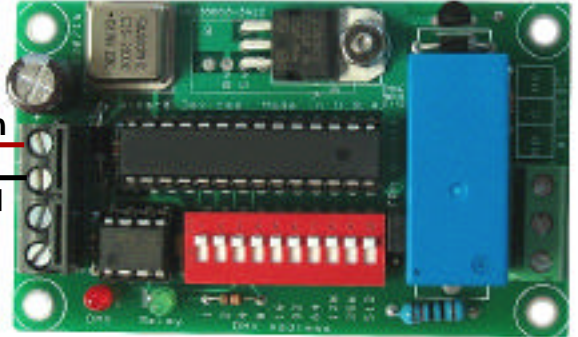


DMX 1-Channel Relay Board

Power Connection

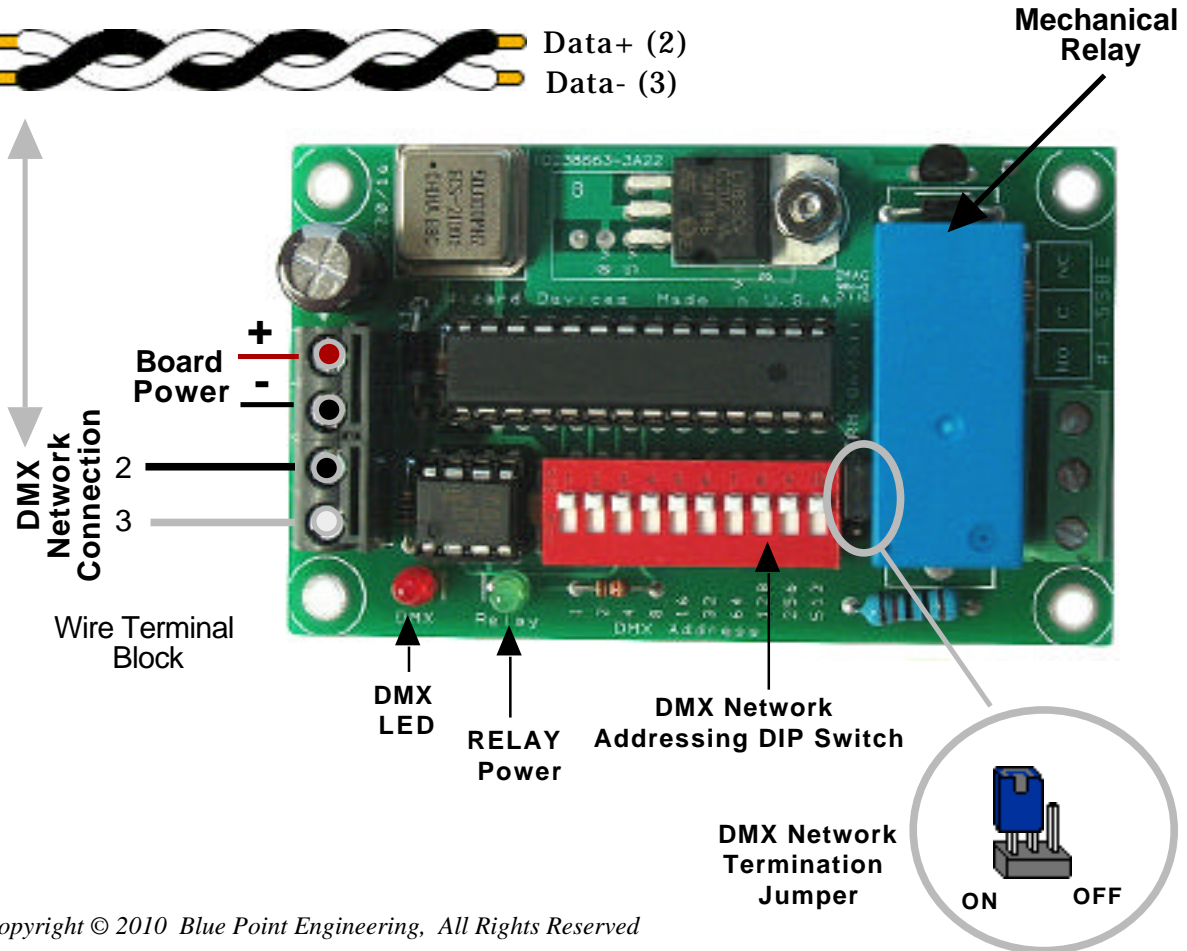


Relay Board Top View



XLR / Network Connection

DMX Wire
Black Wire = 2 ——— Twisted Pair Wire
White Wire = 3 ——— Twisted Pair Wire



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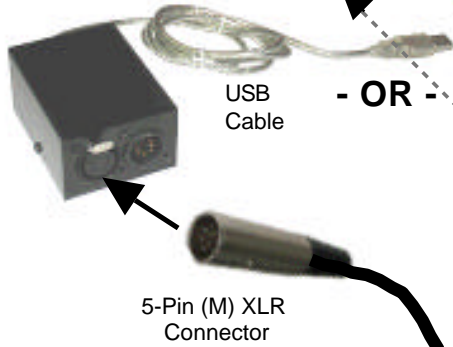
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DMX 1-Channel Relay Board

DMX Network Setup 5 Pin to Wire End Overview

USB to DMX Interface



USB PORT

- OR -

Computer

- OR -

Computer

USB Cable

USB PORT

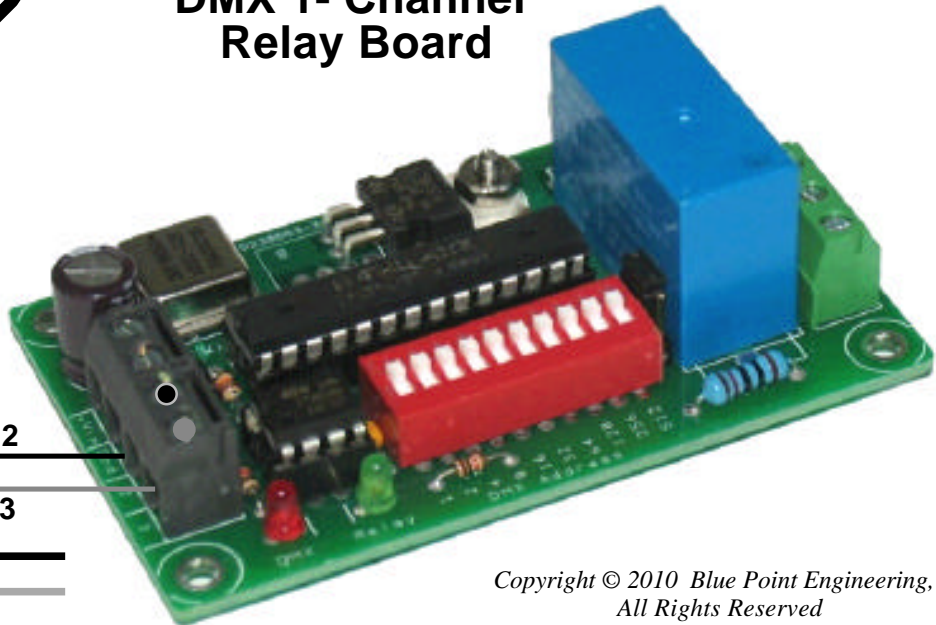
Control Software (VSA)

DMX Control Console

- OR -

DMX - XLR Cable

DMX 1- Channel Relay Board



DMX Wire IN
Data+ (2)
Data- (3)

2

3

DMX Wire

Black Wire = 2
White Wire = 3

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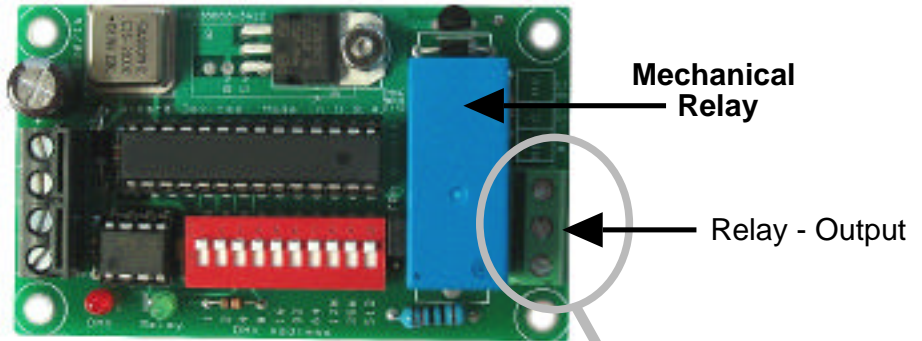
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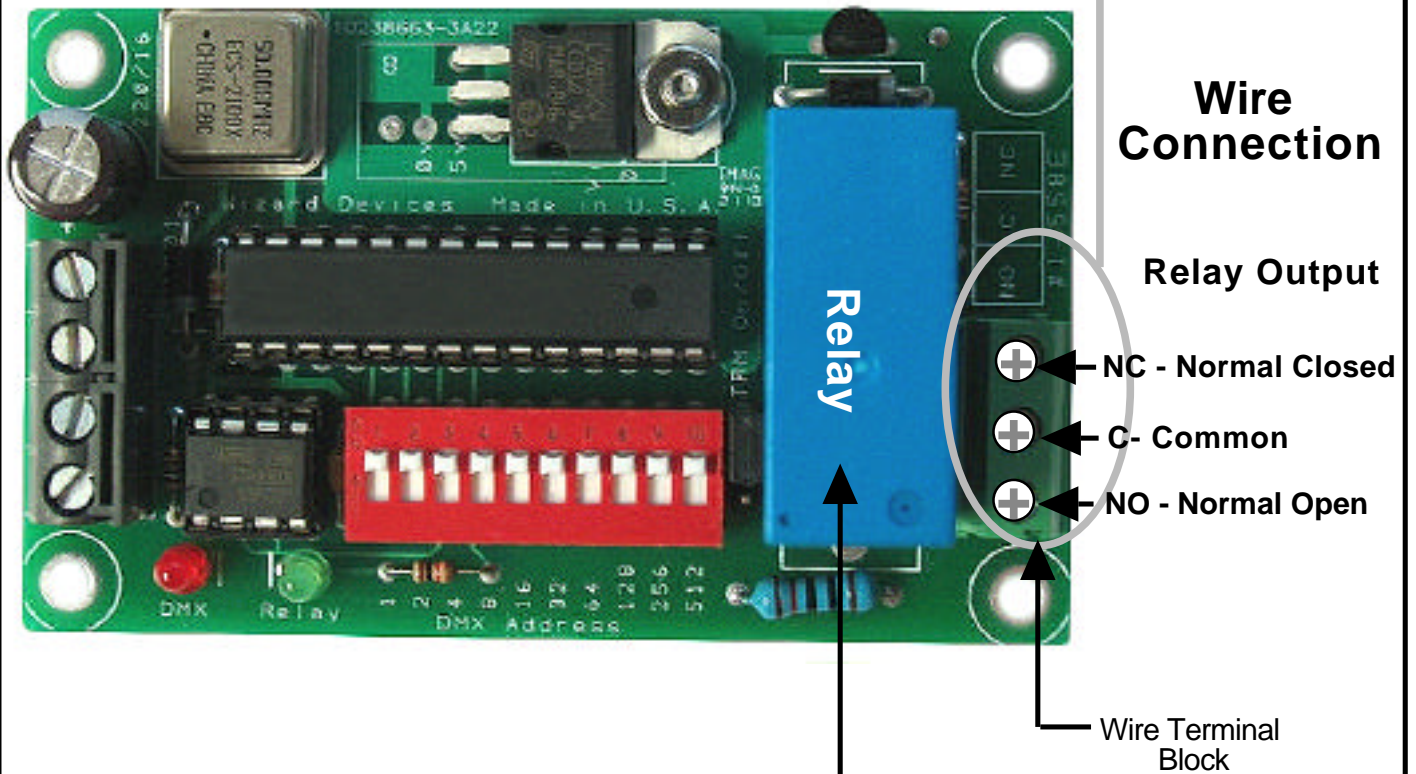
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DMX 1-Channel Relay Board

Relay Connection



Wire Connection



**Mechanical Relays Rated:
10 Amps @ 240V AC.**

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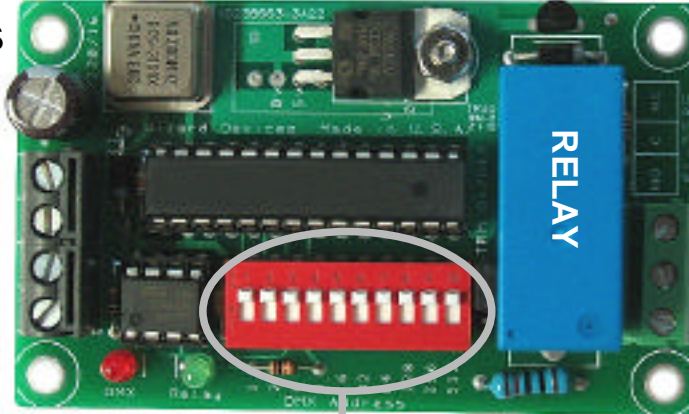
DMX 1-Channel Relay Board

Version 1.1 -2010

Board Address DMX - Values

Mechanical Relays Rated:
10 Amps @ 240V AC.

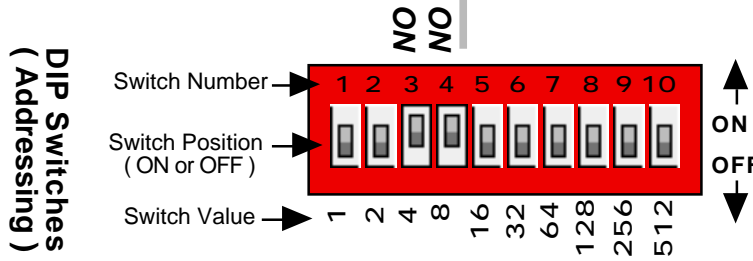
Board Requires 12 VDC
@ 0.5 Amp Supply.



Example

Relay
(CH=12)
(Value= 255)
(Relay = ON)

(CH=12)
(Value= 0)
(Relay = OFF)



DMX Value 0-255 = 0-100%
255= ON , 0= OFF

$4+8 = 12$

The DMX Relay board provides 1- programmable Digital Outputs channel when connected to a DMX controlled network.

The board Base Address may be set between 1 and 512.

Setting the base address of Relay Output

Add the value of the address DIP switches set to the ON position to calculate the base address.

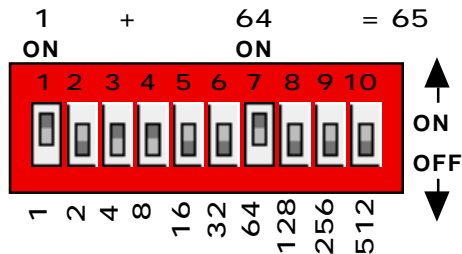
Example(CH): DIP switches 5 and 6 set to ON position, the base address is now 48, (16+32) this setting is used to determine the starting address output of the Relay.

Example

Dip Switch 1 and 7 ON = Base Address 65
Switch 1(1) + Switch 7(64) Total = 65
Relay ON at DMX value 255
Relay OFF at DMX value 0

Dip Switch 3 and 8 ON = Base Address 132
Switch 3(4) + Switch 8(128) Total = 132
Relay ON at DMX value 255
Relay OFF at DMX value 0

Dip Switch 2 and 5 ON = Base Address 18
Switch 2(2) + Switch 5(15) Total = 18
Relay ON at DMX value 255
Relay OFF at DMX value 0

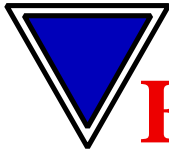


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DMX 512 Address Chart

Chart A - US
Standard DMX 512

Ch - Switches	Ch - Switches	Ch - Switches	Ch - Switches	Ch - Switches
1 = 1	53 = 1, 3, 5, 6	105 = 1, 4, 6, 7	157 = 1, 3, 4, 5, 8	209 = 1, 5, 7, 8
2 = 2	54 = 2, 3, 5, 6	106 = 2, 4, 6, 7	158 = 2, 3, 4, 5, 8	210 = 2, 5, 7, 8
3 = 1, 2	55 = 1, 2, 3, 5, 6	107 = 1, 2, 4, 6, 7	159 = 1, 2, 3, 4, 5, 8	211 = 1, 2, 5, 7, 8
4 = 3	56 = 4, 5, 6	108 = 3, 4, 6, 7	160 = 6, 8	212 = 3, 5, 7, 8
5 = 1, 3	57 = 1, 4, 5, 6	109 = 1, 3, 4, 6, 7	161 = 1, 6, 8	213 = 1, 3, 5, 7, 8
6 = 2, 3	58 = 2, 4, 5, 6	110 = 2, 3, 4, 6, 7	162 = 2, 6, 8	214 = 2, 3, 5, 7, 8
7 = 1, 2, 3	59 = 1, 2, 4, 5, 6	111 = 1, 2, 3, 4, 6, 7	163 = 1, 2, 6, 8	215 = 1, 2, 3, 5, 7, 8
8 = 4	60 = 3, 4, 5, 6	112 = 5, 6, 7	164 = 3, 6, 8	216 = 4, 5, 7, 8
9 = 1, 4	61 = 1, 3, 4, 5, 6	113 = 1, 5, 6, 7	165 = 1, 3, 6, 8	217 = 1, 4, 5, 7, 8
10 = 2, 4	62 = 2, 3, 4, 5, 6	114 = 2, 5, 6, 7	166 = 2, 3, 6, 8	218 = 2, 4, 5, 7, 8
11 = 1, 2, 4	63 = 1, 2, 3, 4, 5, 6	115 = 1, 2, 5, 6, 7	167 = 1, 2, 3, 6, 8	219 = 1, 2, 4, 5, 7, 8
12 = 3, 4	64 = 7	116 = 3, 5, 6, 7	168 = 4, 6, 8	220 = 3, 4, 5, 7, 8
13 = 1, 3, 4	65 = 1, 7	117 = 1, 3, 5, 6, 7	169 = 1, 4, 6, 8	221 = 1, 3, 4, 5, 7, 8
14 = 2, 3, 4	66 = 2, 7	118 = 2, 3, 5, 6, 7	170 = 2, 4, 6, 8	222 = 2, 3, 4, 5, 7, 8
15 = 1, 2, 3, 4	67 = 1, 2, 7	119 = 1, 2, 3, 5, 6, 7	171 = 1, 2, 4, 6, 8	223 = 1, 2, 3, 4, 5, 7, 8
16 = 5	68 = 3, 7	120 = 4, 5, 6, 7	172 = 3, 4, 6, 8	224 = 6, 7, 8
17 = 1, 5	69 = 1, 3, 7	121 = 1, 4, 5, 6, 7	173 = 1, 3, 4, 6, 8	225 = 1, 6, 7, 8
18 = 2, 5	70 = 2, 3, 7	122 = 2, 4, 5, 6, 7	174 = 2, 3, 4, 6, 8	226 = 2, 6, 7, 8
19 = 1, 2, 5	71 = 1, 2, 3, 7	123 = 1, 2, 4, 5, 6, 7	175 = 1, 2, 3, 4, 6, 8	227 = 1, 2, 6, 7, 8
20 = 3, 5	72 = 4, 7	124 = 3, 4, 5, 6, 7	176 = 5, 6, 8	228 = 3, 6, 7, 8
21 = 1, 3, 5	73 = 1, 4, 7	125 = 1, 3, 4, 5, 6, 7	177 = 1, 5, 6, 8	229 = 1, 3, 6, 7, 8
22 = 2, 3, 5	74 = 2, 4, 7	126 = 2, 3, 4, 5, 6, 7	178 = 2, 5, 6, 8	230 = 2, 3, 6, 7, 8
23 = 1, 2, 3, 5	75 = 1, 2, 4, 7	127 = 1, 2, 3, 4, 5, 6, 7	179 = 1, 2, 5, 6, 8	231 = 1, 2, 3, 6, 7, 8
24 = 4, 5	76 = 3, 4, 7	128 = 8	180 = 3, 5, 6, 8	232 = 4, 6, 7, 8
25 = 1, 4, 5	77 = 1, 3, 4, 7	129 = 1, 8	181 = 1, 3, 5, 6, 8	233 = 1, 4, 6, 7, 8
26 = 2, 4, 5	78 = 2, 3, 4, 7	130 = 2, 8	182 = 2, 3, 5, 6, 8	234 = 2, 4, 6, 7, 8
27 = 1, 2, 4, 5	79 = 1, 3, 4, 7	131 = 1, 2, 8	183 = 1, 2, 3, 5, 6, 8	235 = 1, 2, 4, 6, 7, 8
28 = 3, 4, 5	80 = 5, 7	132 = 3, 8	184 = 4, 5, 6, 8	236 = 3, 4, 6, 7, 8
29 = 1, 3, 4, 5	81 = 1, 5, 7	133 = 1, 3, 8	185 = 1, 4, 5, 6, 8	237 = 1, 3, 4, 6, 7, 8
30 = 2, 3, 4, 5	82 = 2, 5, 7	134 = 2, 3, 8	186 = 2, 4, 5, 6, 8	238 = 2, 3, 4, 6, 7, 8
31 = 1, 2, 3, 4, 5	83 = 1, 2, 5, 7	135 = 1, 2, 3, 8	187 = 1, 2, 4, 5, 6, 8	239 = 1, 2, 3, 4, 6, 7, 8
32 = 6	84 = 3, 5, 7	136 = 4, 8	188 = 3, 4, 5, 6, 8	240 = 5, 6, 7, 8
33 = 1, 6	85 = 1, 3, 5, 7	137 = 1, 4, 8	189 = 1, 3, 4, 5, 6, 8	241 = 1, 5, 6, 7, 8
34 = 2, 6	86 = 2, 3, 5, 7	138 = 2, 4, 8	190 = 2, 3, 4, 5, 6, 8	242 = 2, 5, 6, 7, 8
35 = 1, 2, 6	87 = 1, 2, 3, 5, 7	139 = 1, 2, 4, 8	191 = 1, 2, 3, 4, 5, 6, 8	243 = 1, 2, 5, 6, 7, 8
36 = 3, 6	88 = 4, 5, 7	140 = 3, 4, 8	192 = 7, 8	244 = 3, 5, 6, 7, 8
37 = 1, 3, 6	89 = 1, 4, 5, 7	141 = 1, 3, 4, 8	193 = 1, 7, 8	245 = 1, 3, 5, 6, 7, 8
38 = 2, 3, 6	90 = 2, 4, 5, 7	142 = 2, 3, 4, 8	194 = 2, 7, 8	246 = 2, 3, 5, 6, 7, 8
39 = 1, 2, 3, 6	91 = 1, 2, 4, 5, 7	143 = 1, 2, 3, 4, 8	195 = 1, 2, 7, 8	247 = 1, 2, 3, 5, 6, 7, 8
40 = 4, 6	92 = 3, 4, 5, 7	144 = 5, 8	196 = 3, 7, 8	248 = 4, 5, 6, 7, 8
41 = 1, 4, 6	93 = 1, 3, 4, 5, 7	145 = 1, 5, 8	197 = 1, 3, 7, 8	249 = 1, 4, 5, 6, 7, 8
42 = 2, 4, 6	94 = 2, 3, 4, 5, 7	146 = 2, 5, 8	198 = 2, 3, 7, 8	250 = 2, 4, 5, 6, 7, 8
43 = 1, 2, 4, 6	95 = 1, 2, 3, 4, 5, 7	147 = 1, 2, 5, 8	199 = 1, 2, 3, 7, 8	251 = 1, 2, 4, 5, 6, 7, 8
44 = 3, 4, 6	96 = 6, 7	148 = 3, 5, 8	200 = 4, 7, 8	252 = 3, 4, 5, 6, 7, 8
45 = 1, 3, 4, 6	97 = 1, 6, 7	149 = 1, 3, 5, 8	201 = 1, 4, 7, 8	253 = 1, 3, 4, 5, 6, 7, 8
46 = 2, 3, 4, 6	98 = 2, 6, 7	150 = 2, 3, 5, 8	202 = 2, 4, 7, 8	254 = 2, 3, 4, 5, 6, 7, 8
47 = 1, 2, 3, 4, 6	99 = 1, 2, 6, 7	151 = 1, 2, 3, 5, 8	203 = 1, 2, 4, 7, 8	255 = 1, 2, 3, 4, 5, 6, 7, 8
48 = 5, 6	100 = 3, 6, 7	152 = 4, 5, 8	204 = 3, 4, 7, 8	256 = 9
49 = 1, 5, 6	101 = 1, 3, 6, 7	153 = 1, 4, 5, 8	205 = 1, 3, 4, 7, 8	257 = 1, 9
50 = 2, 5, 6	102 = 2, 3, 6, 7	154 = 2, 4, 5, 8	206 = 2, 3, 4, 7, 8	258 = 2, 9
51 = 1, 2, 5, 6	103 = 1, 2, 3, 6, 7	155 = 1, 2, 4, 5, 8	207 = 1, 2, 3, 4, 7, 8	259 = 1, 2, 9
52 = 3, 5, 6	104 = 4, 6, 7	156 = 3, 4, 5, 8	208 = 5, 7, 8	260 = 3, 9

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DMX 512 Address Chart Cont.

Ch - Switches

261 = 1, 3, 9
 262 = 2, 3, 9
 263 = 1, 2, 3, 9
 264 = 4, 9
 265 = 1, 4, 9
 266 = 2, 4, 9
 267 = 1, 2, 4, 9
 268 = 3, 4, 9
 269 = 1, 3, 4, 9
 270 = 2, 3, 4, 9
 271 = 1, 2, 3, 4, 9
 272 = 5, 9
 273 = 1, 5, 9
 274 = 2, 5, 9
 275 = 1, 2, 5, 9
 276 = 3, 5, 9
 277 = 1, 3, 5, 9
 278 = 2, 3, 5, 9
 279 = 1, 2, 3, 5, 9
 280 = 4, 5, 9
 281 = 1, 4, 5, 9
 282 = 2, 4, 5, 9
 283 = 1, 2, 4, 5, 9
 284 = 3, 4, 5, 9
 285 = 1, 3, 4, 5, 9
 286 = 2, 3, 4, 5, 9
 287 = 1, 2, 3, 4, 5, 9
 288 = 6, 9
 289 = 1, 6, 9
 290 = 2, 6, 9
 291 = 1, 2, 6, 9
 292 = 3, 6, 9
 293 = 1, 3, 6, 9
 294 = 2, 3, 6, 9
 295 = 1, 2, 3, 6, 9
 296 = 4, 6, 9
 297 = 1, 4, 6, 9
 298 = 2, 4, 6, 9
 299 = 1, 2, 4, 6, 9
 300 = 3, 4, 6, 9
 301 = 1, 3, 4, 6, 9
 302 = 2, 3, 4, 6, 9
 303 = 1, 2, 3, 4, 6, 9
 304 = 5, 6, 9
 305 = 1, 5, 6, 9
 306 = 2, 5, 6, 9
 307 = 1, 2, 5, 6, 9
 308 = 3, 5, 6, 9
 309 = 1, 3, 5, 6, 9
 310 = 2, 3, 5, 6, 9
 311 = 1, 2, 3, 5, 6, 9
 312 = 4, 5, 6, 9
 313 = 1, 4, 5, 6, 9
 314 = 2, 4, 5, 6, 9
 315 = 1, 2, 4, 5, 6, 9
 316 = 3, 4, 5, 6, 9
 317 = 1, 3, 4, 5, 6, 9
 318 = 2, 3, 4, 5, 6, 9
 329 = 1, 2, 3, 4, 5, 6, 9
 320 = 7, 9
 321 = 1, 7, 9

Ch - Switches

322 = 2, 7, 9
 323 = 1, 2, 7, 9
 324 = 3, 7, 9
 325 = 1, 3, 7, 9
 326 = 2, 3, 7, 9
 327 = 1, 2, 3, 7, 9
 328 = 4, 7, 9
 329 = 1, 4, 7, 9
 330 = 2, 4, 7, 9
 331 = 1, 2, 4, 7, 9
 332 = 3, 4, 7, 9
 333 = 1, 3, 4, 7, 9
 334 = 2, 3, 4, 7, 9
 335 = 1, 2, 3, 4, 7, 9
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 341 = 1, 3, 5, 7, 9
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 351 = 1, 2, 3, 4, 5, 7, 9
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 369 = 1, 5, 6, 7, 9
 370 = 2, 5, 6, 7, 9
 371 = 1, 2, 5, 6, 7, 9
 372 = 3, 5, 6, 7, 9
 373 = 1, 3, 5, 6, 7, 9
 374 = 2, 3, 5, 6, 7, 9
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 378 = 2, 4, 5, 6, 7, 9
 379 = 1, 2, 4, 5, 6, 7, 9
 380 = 3, 4, 5, 6, 7, 9
 381 = 1, 3, 4, 5, 6, 7, 9
 382 = 2, 3, 4, 5, 6, 7, 9

Ch - Switches

383 = 1, 2, 3, 4, 5, 6, 7, 9
 384 = 8, 9
 385 = 1, 8, 9
 386 = 2, 8, 9
 387 = 1, 2, 8, 9
 388 = 3, 8, 9
 389 = 1, 3, 8, 9
 390 = 2, 3, 8, 9
 391 = 1, 2, 3, 8, 9
 392 = 4, 8, 9
 393 = 1, 4, 8, 9
 394 = 2, 4, 8, 9
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 396 = 3, 4, 8, 9
 397 = 1, 3, 4, 8, 9
 398 = 2, 3, 4, 8, 9
 399 = 1, 2, 3, 4, 8, 9
 400 = 5, 8, 9
 401 = 1, 5, 8, 9
 402 = 2, 5, 8, 9
 403 = 1, 2, 5, 8, 9
 404 = 3, 5, 8, 9
 405 = 1, 3, 5, 8, 9
 406 = 2, 3, 5, 8, 9
 407 = 1, 2, 3, 5, 8, 9
 408 = 4, 5, 8, 9
 409 = 1, 4, 5, 8, 9
 410 = 2, 4, 5, 8, 9
 411 = 1, 2, 4, 5, 8, 9
 412 = 3, 4, 5, 8, 9
 413 = 1, 3, 4, 5, 8, 9
 414 = 2, 3, 4, 5, 8, 9
 415 = 1, 2, 3, 4, 5, 8, 9
 416 = 6, 8, 9
 417 = 1, 6, 8, 9
 418 = 2, 6, 8, 9
 419 = 1, 2, 6, 8, 9
 420 = 3, 6, 8, 9
 421 = 1, 3, 6, 8, 9
 422 = 2, 3, 6, 8, 9
 423 = 1, 2, 3, 6, 8, 9
 424 = 4, 6, 8, 9
 425 = 1, 4, 6, 8, 9
 426 = 2, 4, 6, 8, 9
 427 = 1, 2, 4, 6, 8, 9
 428 = 3, 4, 6, 8, 9
 429 = 1, 3, 4, 6, 8, 9
 430 = 2, 3, 4, 6, 8, 9
 431 = 1, 2, 3, 4, 6, 8, 9
 432 = 5, 6, 8, 9
 433 = 1, 5, 6, 8, 9
 434 = 2, 5, 6, 8, 9
 435 = 1, 2, 5, 6, 8, 9
 436 = 3, 5, 6, 8, 9
 437 = 1, 3, 5, 6, 8, 9
 438 = 2, 3, 5, 6, 8, 9
 439 = 1, 2, 3, 5, 6, 8, 9
 440 = 4, 5, 6, 8, 9
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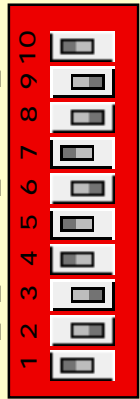
Ch - Switches

444 = 3, 4, 5, 6, 8, 9
 445 = 1, 3, 4, 5, 6, 8, 9
 446 = 2, 3, 4, 5, 6, 8, 9
 447 = 1, 2, 3, 4, 5, 6, 8, 9
 448 = 7, 8, 9
 449 = 1, 7, 8, 9
 450 = 2, 7, 8, 9
 451 = 1, 2, 7, 8, 9
 452 = 3, 7, 8, 9
 453 = 1, 3, 7, 8, 9
 454 = 2, 3, 7, 8, 9
 455 = 1, 2, 3, 7, 8, 9
 456 = 4, 7, 8, 9
 457 = 1, 4, 7, 8, 9
 458 = 2, 4, 7, 8, 9
 459 = 1, 2, 4, 7, 8, 9
 460 = 3, 4, 7, 8, 9
 461 = 1, 3, 4, 7, 8, 9
 462 = 2, 3, 4, 7, 8, 9
 463 = 1, 2, 3, 4, 7, 8, 9
 464 = 5, 7, 8, 9
 465 = 1, 5, 7, 8, 9
 466 = 2, 5, 7, 8, 9
 467 = 1, 2, 5, 7, 8, 9
 468 = 3, 5, 7, 8, 9
 469 = 1, 3, 5, 7, 8, 9
 470 = 2, 3, 5, 7, 8, 9
 471 = 1, 2, 3, 5, 7, 8, 9
 472 = 4, 5, 7, 8, 9
 473 = 1, 4, 5, 7, 8, 9
 474 = 2, 4, 5, 7, 8, 9
 475 = 1, 2, 4, 5, 7, 8, 9
 476 = 3, 4, 5, 7, 8, 9
 477 = 1, 3, 4, 5, 7, 8, 9
 478 = 2, 3, 4, 5, 7, 8, 9
 479 = 1, 2, 3, 4, 5, 7, 8, 9
 480 = 6, 7, 8, 9
 481 = 1, 6, 7, 8, 9
 482 = 2, 6, 7, 8, 9
 483 = 1, 2, 6, 7, 8, 9
 484 = 3, 6, 7, 8, 9
 485 = 1, 3, 6, 7, 8, 9
 486 = 2, 3, 6, 7, 8, 9
 487 = 1, 2, 3, 6, 7, 8, 9
 488 = 4, 6, 7, 8, 9
 489 = 1, 4, 6, 7, 8, 9
 490 = 2, 4, 6, 7, 8, 9
 491 = 1, 2, 4, 6, 7, 8, 9
 492 = 3, 4, 6, 7, 8, 9
 493 = 1, 3, 4, 6, 7, 8, 9
 494 = 2, 3, 4, 6, 7, 8, 9
 495 = 1, 2, 3, 4, 6, 7, 8, 9
 496 = 5, 6, 7, 8, 9
 497 = 1, 5, 6, 7, 8, 9
 498 = 2, 5, 6, 7, 8, 9
 499 = 1, 2, 5, 6, 7, 8, 9
 500 = 3, 5, 6, 7, 8, 9
 501 = 1, 3, 5, 6, 7, 8, 9
 502 = 2, 3, 5, 6, 7, 8, 9
 503 = 1, 2, 3, 5, 6, 7, 8, 9
 504 = 4, 5, 6, 7, 8, 9

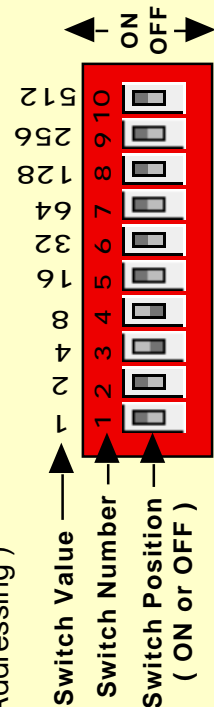
Ch - Switches

505 = 1, 4, 5, 6, 7, 8, 9
 506 = 2, 4, 5, 6, 7, 8, 9
 507 = 1, 2, 4, 5, 6, 7, 8, 9
 508 = 3, 4, 5, 6, 7, 8, 9
 509 = 1, 3, 4, 5, 6, 7, 8, 9
 510 = 2, 3, 4, 5, 6, 7, 8, 9
 511 = 1, 2, 3, 4, 5, 6, 7, 8, 9
 512 = 0

Example
 Address
 422
 Address = 422
 Switch ON = 2, 3, 6, 8, 9

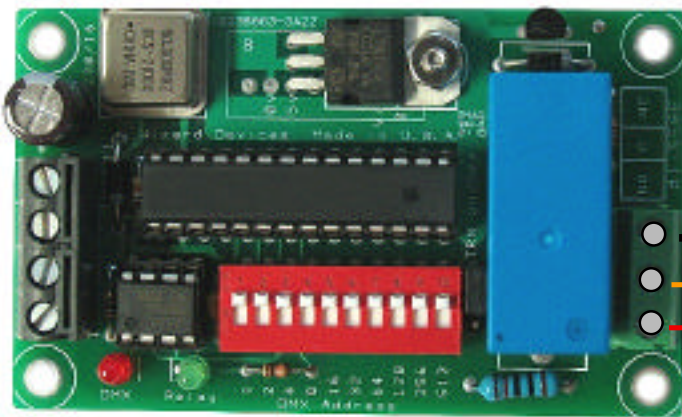
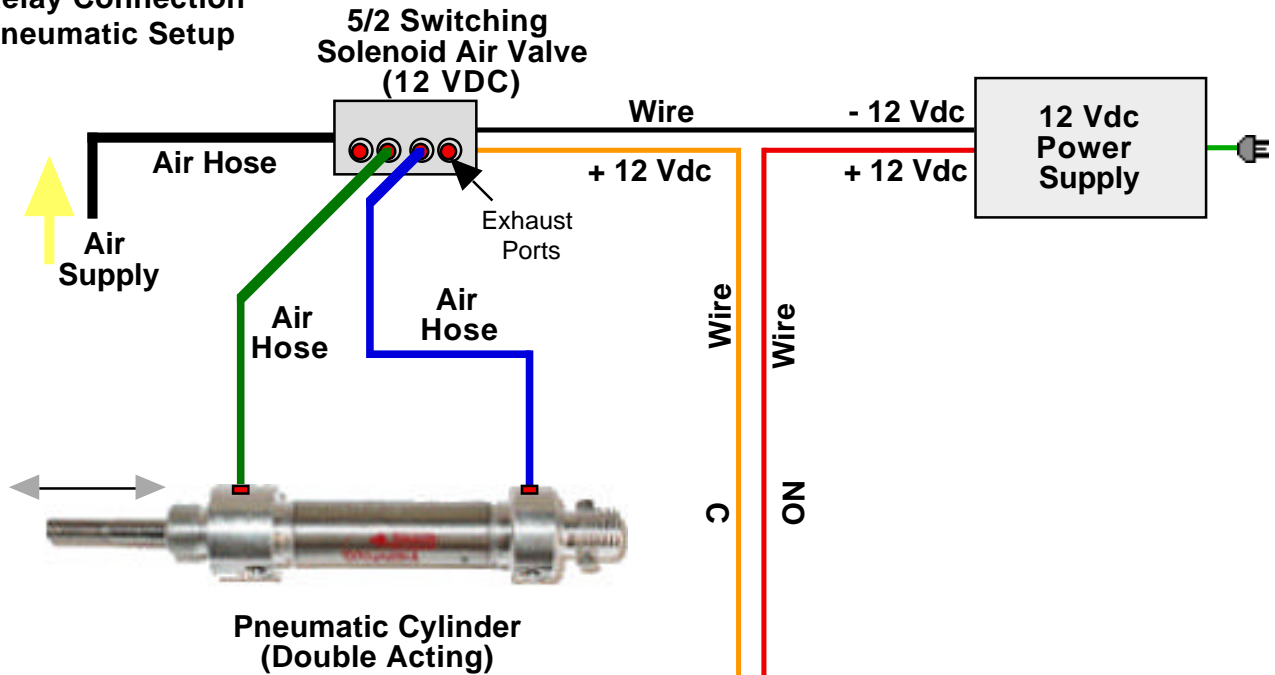


DIP Switches
 (Addressing)



DMX 1-Channel Relay Board

Applications
Relay Connection
Pneumatic Setup



DMX-1 Channel Relay Board

Relay Connection

- NC - Normal Closed (Not Used)
- ← C- Common
- ← NO - Normal Open

Wire Terminal Blocks

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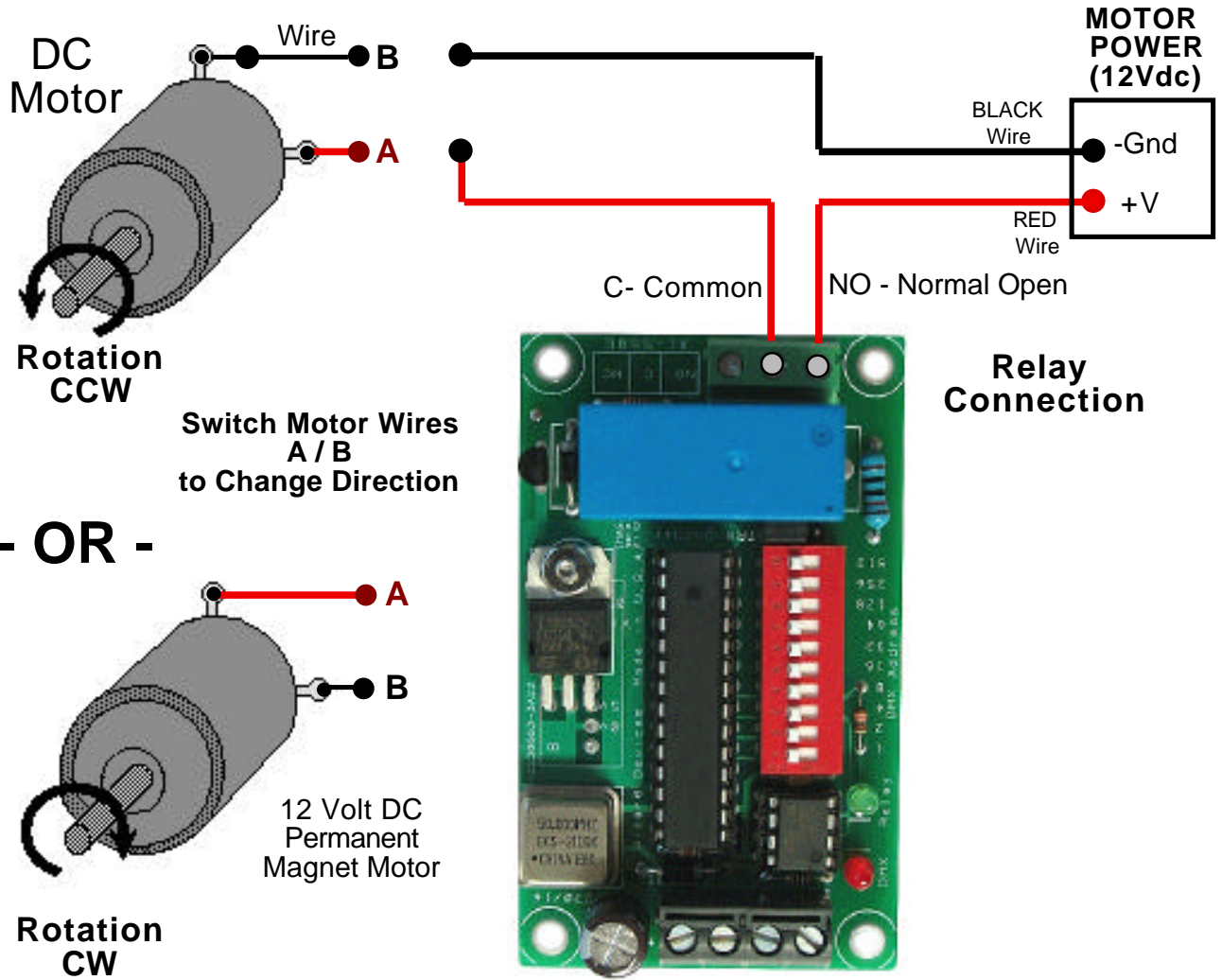
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DMX 1-Channel Relay Board

Application
Motor Control



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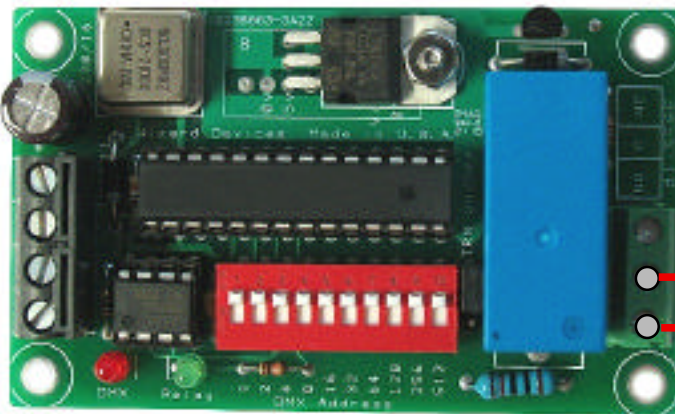
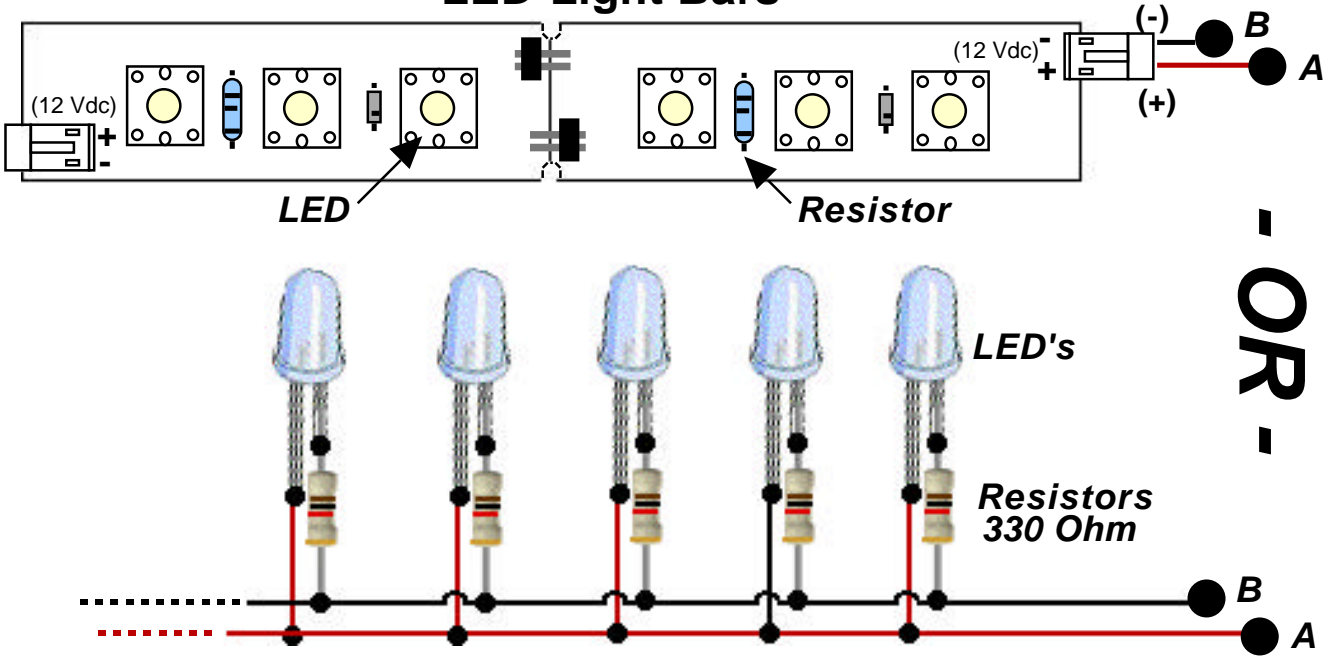
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DMX 1-Channel Relay Board

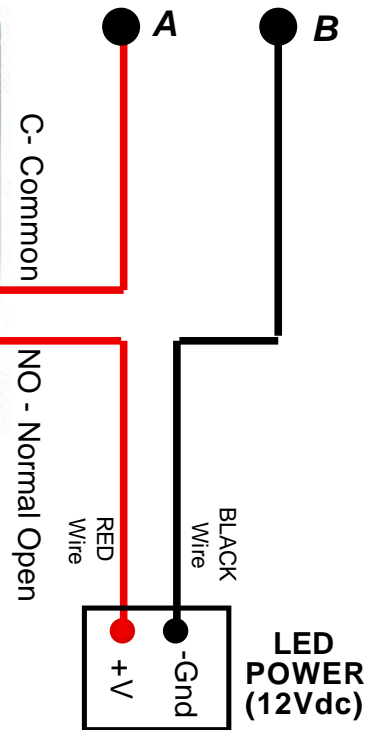
Applications

LED-Light Bars



Relay Connection

Relay to LED Bar, and Single LED's



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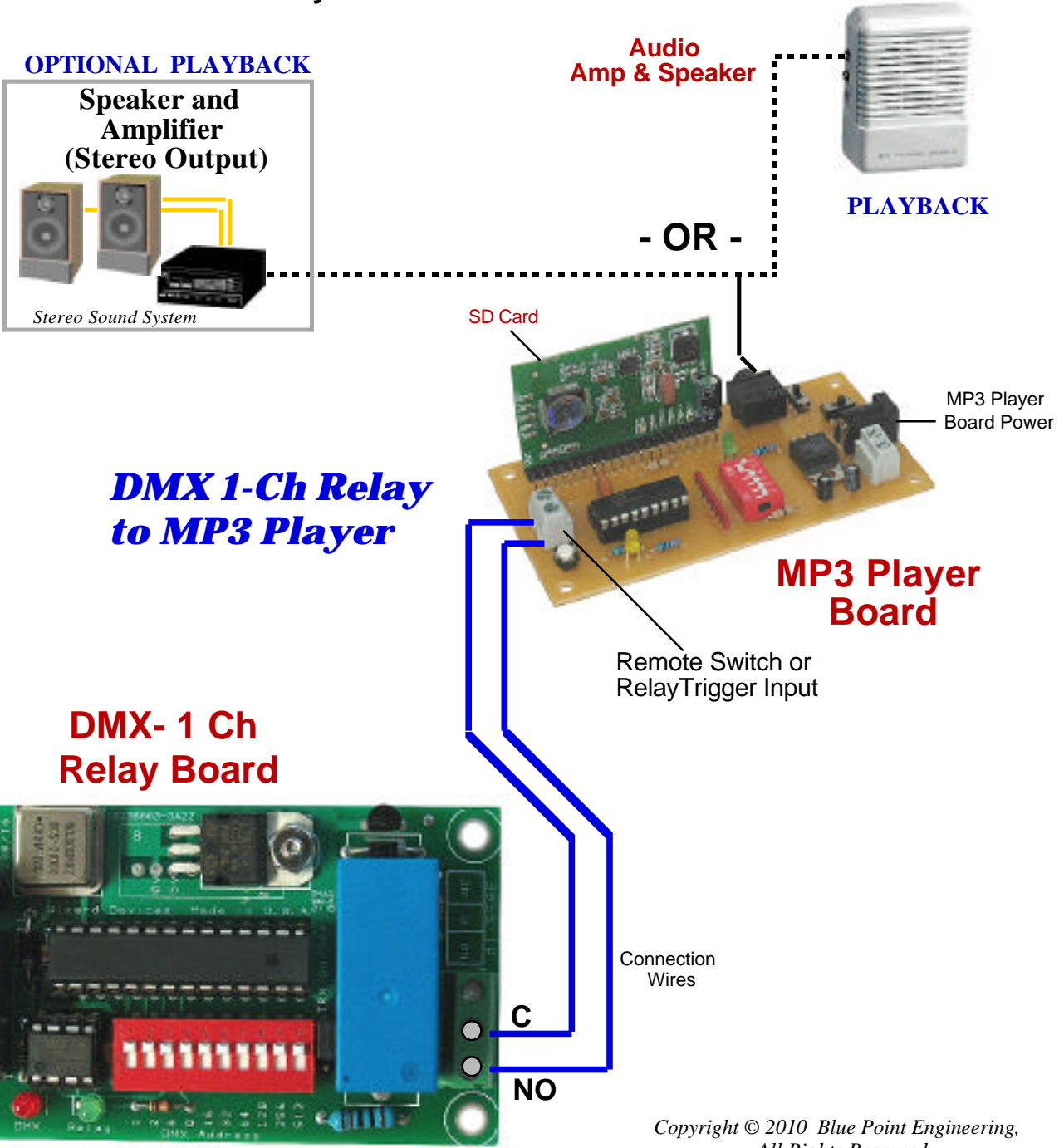
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DMX 1-Channel Relay Board

Applications
MP3 / Sound Board Playback



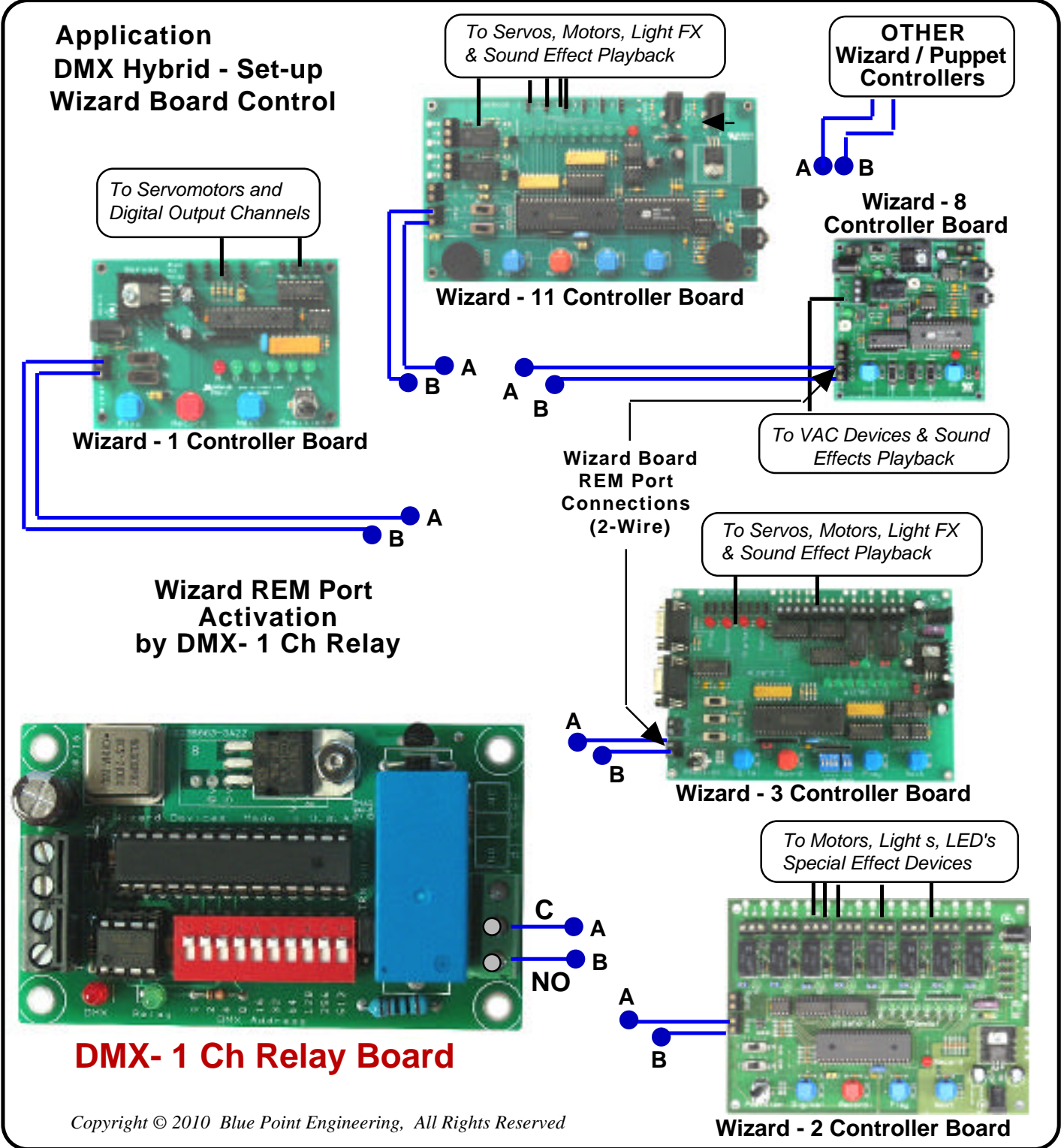
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DMX 1-Channel Relay Board



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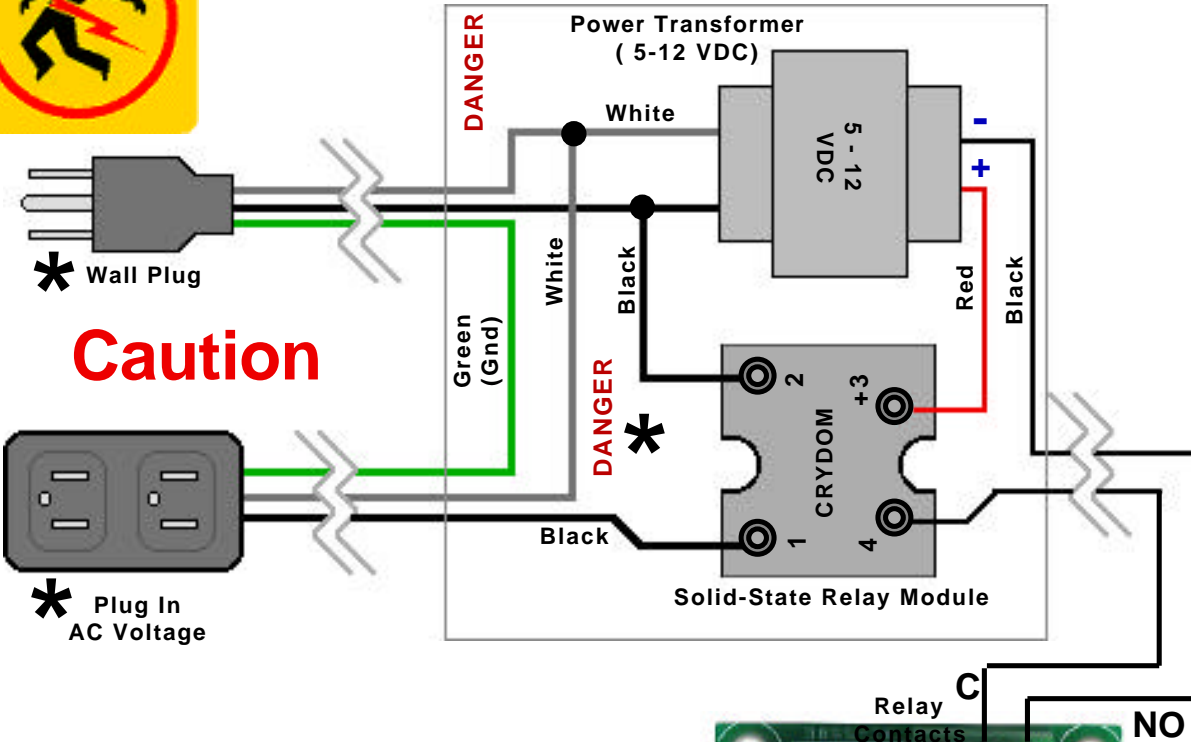
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DMX 1-Channel Relay Board



* Use caution when working with AC Voltage. Touching or incorrectly wiring this circuit could cause serious personal injury or damage to equipment.



Caution

Application
Large AC Power Control

Caution
AC Powered
Devices

**DMX-1 Ch
Relay Board**



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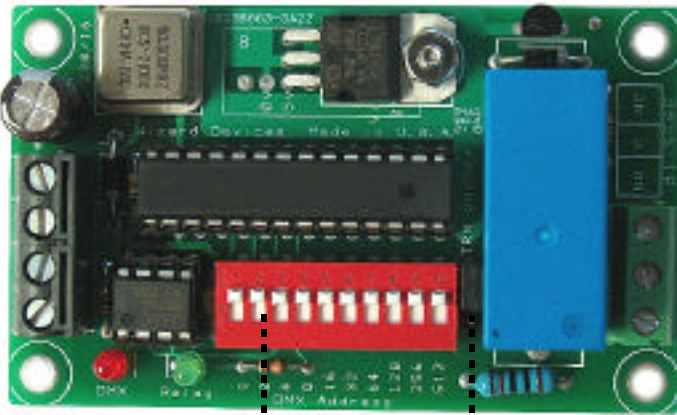
DMX 1-Channel Relay Board

Version 1.1 -2010

Notes / Worksheet:

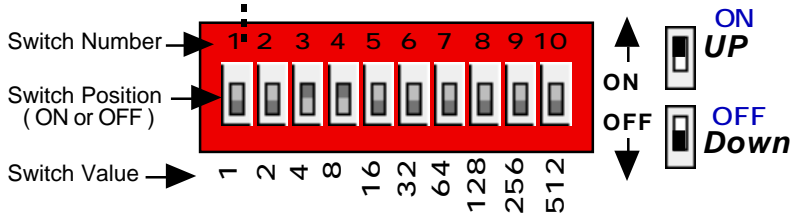
DMX RELAY BOARD NO: _____

DMX RELAY BOARD Application: _____



TRM = (ON / OFF)

Switch Positions (UP / Down)



DMX Value 0-255 = 0-100%
255= ON , 0= OFF

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Addressing	Output Application
Relay -1	_____

1 = Relay ON
0 = Relay OFF

Value	0	1
	OFF	ON

SW-1	_____	_____
SW-2	_____	_____
SW-3	_____	_____
SW-4	_____	_____
SW-5	_____	_____
SW-6	_____	_____
SW-7	_____	_____
SW-8	_____	_____
SW-9	_____	_____
SW-10	_____	_____

Addressing	DMX	Position
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