



DMX 4-Channel Relay Board

Version 1.0 -2010 WD1493-H

Overview

The DMX Relay board provides up to 4- programmable Digital Outputs channels when connected to a DMX controlled network.

The board Base Address may be set between 1 and 505.

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

Setup

DMX 4-Ch Relay Board

5-Pin XLR Connectors / Wire Block Power Supply: 12VDC @ 0.5 Amp 5-1/2" W x 5-1/8" L x 1-3/8" H

Connections

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 your loads / devices to the relevant volt-free relay outputs 1-4. (See relay setup and application example pages for details). Each relay is rated at 10 Amps at 240V AC.

Settings - (See Pages on Control / Addressing)

Set the base address of Relay Output - No. 1 as follows: (when not in byte mode - see below) 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 Relay 1, in DMX Multiple Channel Control, the next relay would be address 49 for Relay 2, and the next 50 for Relay 3, etc. Use this same process for setting the base address in Single Channel Control but Byte Output Switch 10 is set to ON and a Control Byte Value Number is added to the DMX output for control of all the 8 Relays. (see pages on Addressing for more details on Byte - Binary addressing)

Control Syntax - (See Pages on Control / Addressing)

Byte Output switch (DIP Switch 10) set to **OFF**: (Multiple DMX control channels)

The output on a particular channel will go high (ON) when the DMX transmitted value for that channel exceeds 224. (243= OFF, 0% and 244= ON, 100%). Each relay 1-4 has it's own channel assigned with the base number + a relay position number added to determine the address for each relay output.

Byte Output switch (DIP Switch 10) set to **ON**: (Single DMX control channel)

The relay outputs act as a binary representation of the data on the base address channel -example, if the base address is set 15 (00001111) then relays 1 through 4 would be ON together, one or more relays can be grouped as a base start address and a single binary value added for each relay output control.

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 4-Ch DMX relay board.

The jumper next to the input power socket should be set to the V position when using mechanical relays and set to the 5 position when using the Solid State Relay Board version. (Default =V)

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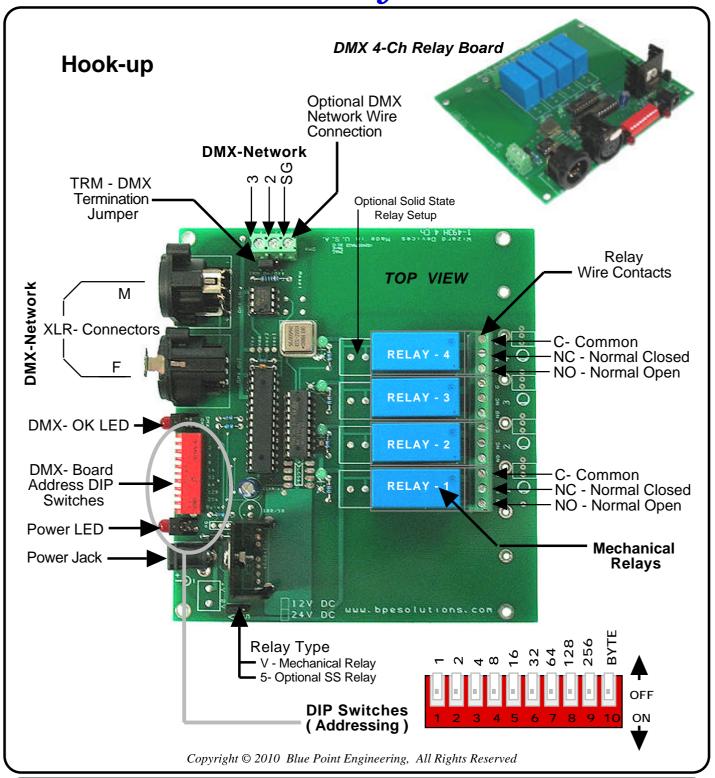
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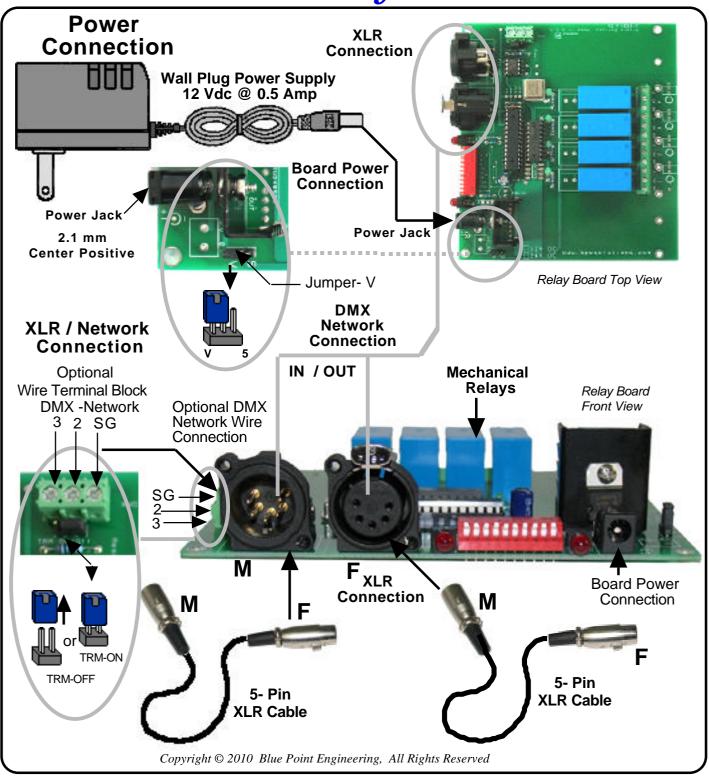
DMX 4-Channel Relay Board







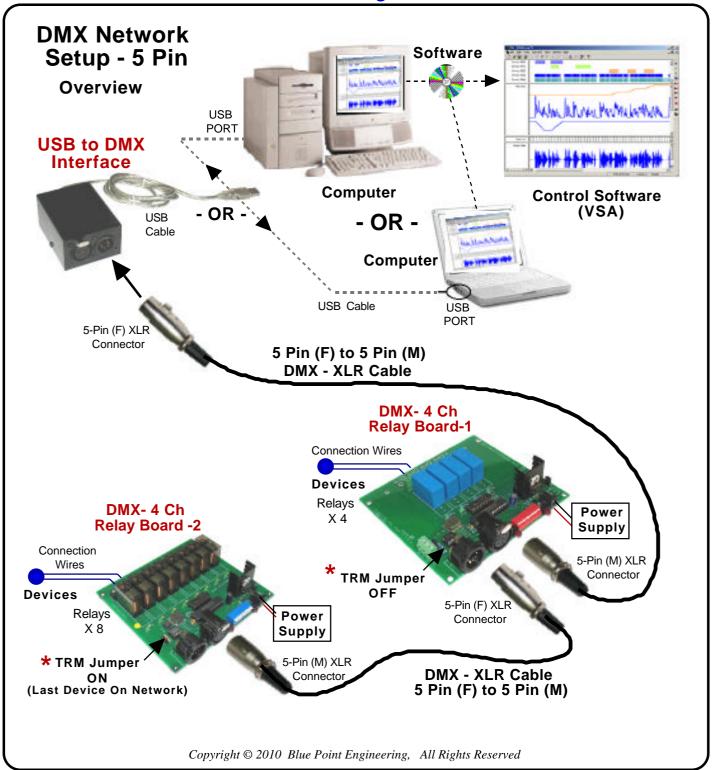
DMX 4-Channel Relay Board







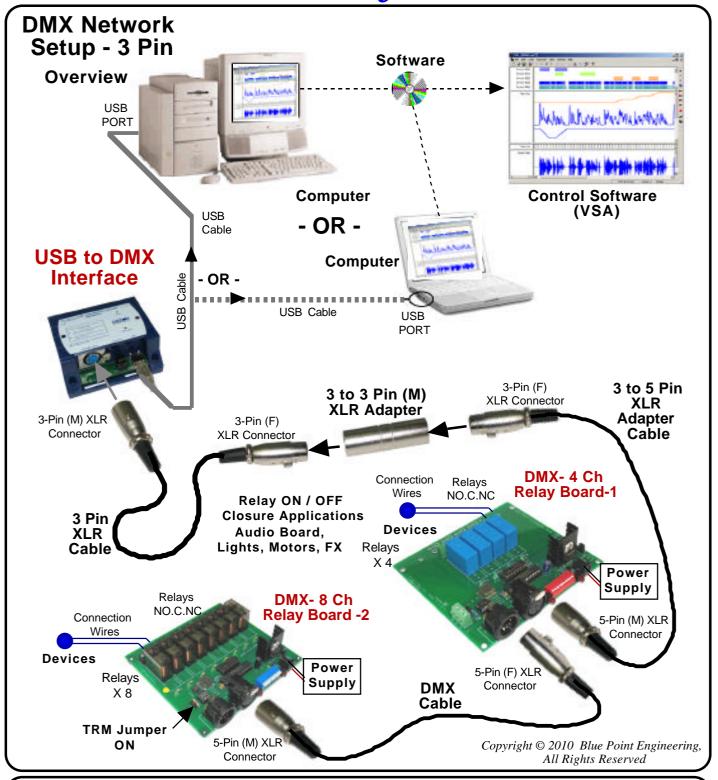
DMX 4-Channel Relay Board







DMX 4-Channel Relay Board



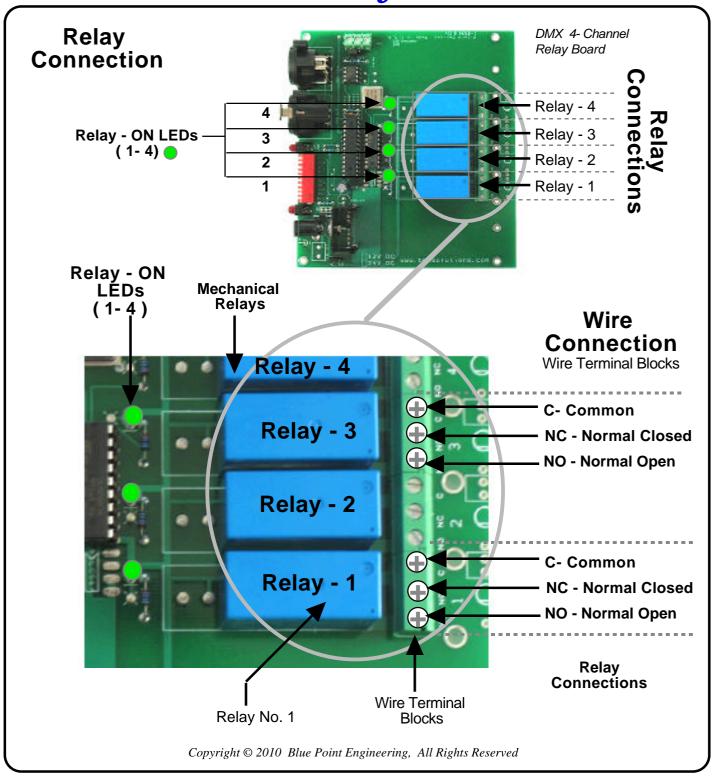
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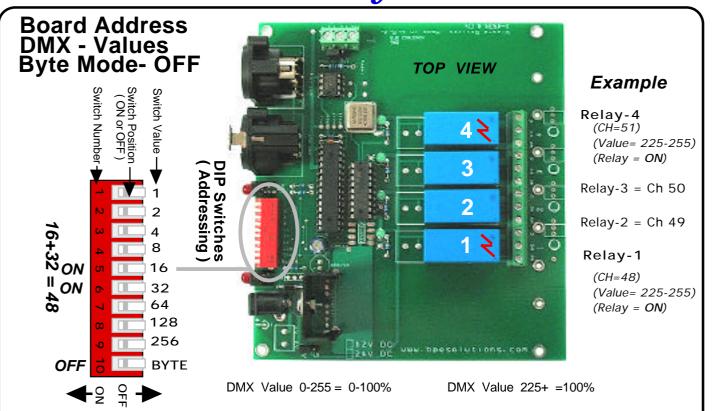


DMX 4-Channel Relay Board





DMX 4-Channel Relay Board



Setting the base address of Relay Outputs when not in byte mode - Switch 10 set to OFF

Add the value of the address DIP switches set to the ${\bf ON}$ 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 Relay 1, the next relay would be address 49 for Relay 2, and the next 50 for Relay 3 and 51 for Relay 4.

Control Syntex - (See DMX512 Chart Chart for Values)

Byte Output switch (DIP Switch 10) set to OFF: (Multiple DMX control channels)

The output on a particular channel will go high (ON) when the DMX transmitted value for that channel exceeds 224. **0= OFF (0%) and 225= ON (100%)**

Example

Dlp Switch 5 and 6 ON = Base Address 48 = Relay No.1 (Relay 1- Base Address starting at 48)

Byte Output Switch 10 = OFF

Relay 1 ON at DMX value 225+ RELAY - 1

Relay 1 OFF at DMX value 0-224

Dlp Switch 5 and 6 ON = Base Address 48 + 3 = 51 = Relay No.4 (Relay 1- Base Address Plus next 3 Relays)

Byte Output Switch 10 = OFF

Relay 4 ON at DMX value 225+ RELAY - 4

Relay 4 OFF at DMX value 0-224

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Ch - Switches

Pointing the Way to Solutions!

DMX 512 Chart - US Standard

Chart A - US Standard DMX 512

Ch - Switches	Ch - Switches	Ch - Switches
1 = 1	53 = 1, 3, 5, 6	105 = 1, 4, 6, 7
2 = 2	54 = 2, 3, 5, 6	106 = 2, 4, 6, 7
3 = 1, 2	55 = 1, 2, 3, 5, 6	107 = 1, 2, 4, 6, 7
4 = 3	56 = 4, 5, 6	108 = 3, 4, 6, 7
5 = 1, 3 6 = 2, 3	57 = 1, 4, 5, 6	109 = 1, 3, 4, 6, 7
6 = 2, 3 7 = 1, 2, 3	58 = 2, 4, 5, 6 59 = 1, 2, 4, 5, 6	110 = 2, 3, 4, 6, 7 111 = 1, 2, 3, 4, 6, 7
8 = 4	60 = 3, 4, 5, 6	112 = 5, 6, 7
9 = 1, 4	61 = 1, 3, 4, 5, 6	113 = 1, 5, 6, 7
10 = 2, 4	62 = 2, 3, 4, 5, 6	114 = 2, 5, 6, 7
11 = 1, 2, 4	63 = 1, 2, 3, 4, 5, 6	115 = 1, 2, 5, 6, 7
12 = 3, 4	64 = 7	116 = 3, 5, 6, 7
13 = 1, 3, 4	65 = 1, 7	117 = 1, 3, 5, 6, 7
14 = 2, 3, 4	66 = 2, 7	118 = 2, 3, 5, 6, 7
15 = 1, 2, 3, 4	67 = 1, 2, 7	119 = 1, 2, 3, 5, 6, 7
16 = 5	68 = 3, 7	120 = 4, 5, 6, 7
17 = 1, 5	69 = 1, 3, 7	121 = 1, 4, 5, 6, 7
18 = 2, 5	70 = 2, 3, 7	122 = 2, 4, 5, 6, 7
19 = 1, 2, 5	71 = 1, 2, 3, 7	123 = 1, 2, 4, 5, 6, 7
20 = 3, 5	72 = 4, 7	124 = 3, 4, 5, 6, 7
21 = 1, 3, 5 22 = 2, 3, 5	73 = 1, 4, 7	125 = 1, 3, 4, 5, 6, 7
23 = 1, 2, 3, 5	74 = 2, 4, 7 75 = 1, 2, 4, 7	126 = 2, 3, 4, 5, 6, 7 127 = 1, 2, 3, 4, 5, 6, 7
24 = 4, 5	76 = 3, 4, 7	128 = 8
25 = 1, 4, 5	77 = 1, 3, 4, 7	129 = 1, 8
26 = 2, 4, 5	78 = 2, 3, 4, 7	130 = 2, 8
27 = 1, 2, 4, 5	79 = 1, 3, 4, 7	131 = 1, 2, 8
28 = 3, 4, 5	80 = 5, 7	132 = 3, 8
29 = 1, 3, 4, 5	81 = 1, 5, 7	133 = 1, 3, 8
30 = 2, 3, 4, 5	82 = 2, 5, 7	134 = 2, 3, 8
31 = 1, 2, 3, 4, 5	83 = 1, 2, 5, 7	135 = 1, 2, 3, 8
32 = 6	84 = 3, 5, 7	136 = 4, 8
33 = 1, 6	85 = 1, 3, 5, 7	137 = 1, 4, 8
34 = 2, 6	86 = 2, 3, 5, 7	138 = 2, 4, 8
35 = 1, 2, 6 36 = 3, 6	87 = 1, 2, 3, 5, 7 88 = 4, 5, 7	139 = 1, 2, 4, 8 140 = 3, 4, 8
37 = 1, 3, 6	89 = 1, 4, 5, 7	141 = 1, 3, 4, 8
38 = 2, 3, 6	90 = 2, 4, 5, 7	142 = 2, 3, 4, 8
39 = 1, 2, 3, 6	91 = 1, 2, 4, 5, 7	143 = 1, 2, 3, 4, 8
40 = 4, 6	92 = 3, 4, 5, 7	144 = 5, 8
41 = 1, 4, 6	93 = 1, 3, 4, 5, 7	145 = 1, 5, 8
42 = 2, 4, 6	94 = 2, 3, 4, 5, 7	146 = 2, 5, 8
43 = 1, 2, 4, 6	95 = 1, 2, 3, 4, 5, 7	147 = 1, 2, 5, 8
44 = 3, 4, 6,	96 = 6, 7	148 = 3, 5, 8
45 = 1, 3, 4, 6	97 = 1, 6, 7	149 = 1, 3, 5, 8
46 = 2, 3, 4, 6	98 = 2, 6, 7	150 = 2, 3, 5, 8
47 = 1, 2, 3, 4, 6	99 = 1, 2, 6, 7	151 = 1, 2, 3, 5, 8
48 = 5, 6 49 = 1, 5, 6	100 = 3, 6, 7 101 = 1, 3, 6, 7	152 = 4, 5, 8 153 = 1, 4, 5, 8
49 = 1, 5, 6 50 = 2, 5, 6	101 = 1, 3, 6, 7	154 = 2, 4, 5, 8
51 = 1, 2, 5, 6	102 = 2, 3, 6, 7	155 = 1, 2, 4, 5, 8
52 - 3 5 6	104 = 4 6 7	156 = 3 4 5 8

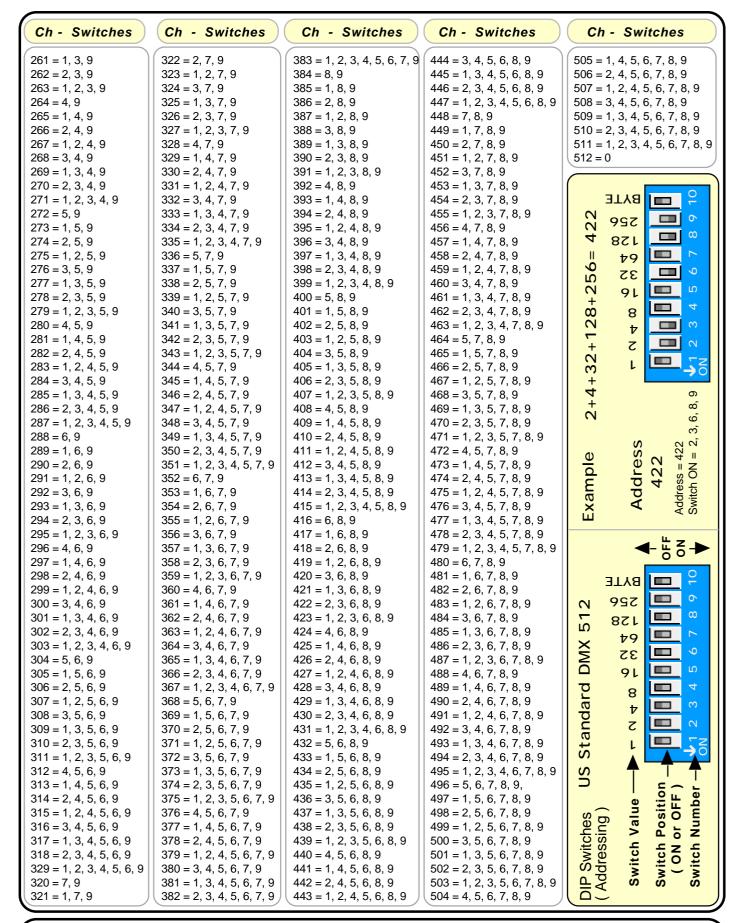
Ch - Switches	
157 = 1, 3, 4, 5, 8 158 = 2, 3, 4, 5, 8 159 = 1, 2, 3, 4, 5, 8 160 = 6, 8	
161 = 1, 6, 8 162 = 2, 6, 8 163 = 1, 2, 6, 8 164 = 3, 6, 8	
165 = 1, 3, 6, 8 166 = 2, 3, 6, 8 167 = 1, 2, 3, 6, 8 168 = 4, 6, 8	
169 = 1, 4, 6, 8 170 = 2, 4, 6, 8 171 = 1, 2, 4, 6, 8 172 = 3, 4, 6, 8	
173 = 1, 3, 4, 6, 8 174 = 2, 3, 4, 6, 8 175 = 1,2, 3, 4, 6, 8 176 = 5, 6, 8	
177 = 1, 5, 6, 8 178 = 2, 5, 6, 8 179 = 1, 2, 5, 6, 8 180 = 3, 5, 6, 8 181 = 1, 3, 5, 6, 8	
182 = 2, 3, 5, 6, 8 183 = 1, 2, 3, 5, 6, 8 184 = 4, 5, 6, 8 185 = 1, 4, 5, 6, 8	
186 = 2, 4, 5, 6, 8 187 = 1, 2, 4, 5, 6, 8 188 = 3, 4, 5, 6, 8 189 = 1, 3, 4, 5, 6, 8	
190 = 2, 3, 4, 5, 6, 8 191 = 1, 2, 3, 4, 5, 6, 192 = 7, 8 193 = 1, 7, 8,	8
194 = 2, 7, 8, 195 = 1, 2, 7, 8 196 = 3, 7, 8 197 = 1, 3, 7, 8	
198 = 2, 3, 7, 8 199 = 1, 2, 3, 7, 8 200 = 4, 7, 8, 201 = 1, 4, 7, 8	
202 = 2, 4, 7, 8 203 = 1, 2, 4, 7, 8 204 = 3, 4, 7, 8 205 = 1, 3, 4, 7, 8 206 = 2, 3, 4, 7, 8	
206 = 2, 3, 4, 7, 8 207 = 1, 2, 3, 4, 7, 8 208 = 5, 7, 8	

						\leq	
209 = 1, 5	. 7.	8					١
210 = 2, 5							П
211 = 1, 2			Ω				П
			O				П
212 = 3, 5			_				П
213 = 1, 3							П
214 = 2, 3	8, 5,	7,	8				П
215 = 1, 2	2, 3,	5,	7,	8			П
216 = 4, 5	, 7,	8					П
217 = 1, 4	, 5,	7,	8				П
218 = 2, 4							П
219 = 1, 2	. 4.	5.	7.	8			П
220 = 3, 4	5	7	8	-			П
221 = 1, 3				8			П
221 = 1, 3 222 = 2, 3							П
222 – 2, 3), 1 ,) つ	J, ⊿	, 5	7	0		П
223 = 1, 2	., J,	4,	ΰ,	Ι,	0		П
224 = 6, 7		c					П
225 = 1, 6							П
226 = 2, 6	, /,	8	_				П
227 = 1, 2	, 6,	7,	8				П
228 = 3, 6	5, 7,	8					П
229 = 1, 3							П
230 = 2, 3							П
231 = 1, 2	2, 3,	6,	7,	8			П
232 = 4, 6							П
233 = 1, 4			8				П
234 = 2, 4	, 6,	7,	8				П
235 = 1, 2	. 4.	6.	7.	8			П
236 = 3, 4	. 6.	7.	8				П
237 = 1, 3				8			П
238 = 2, 3	, ., l 4	6	7	8			П
239 = 1, 2	, ¬,	٥, م	6	7	Q		П
239 = 1, 2 240 = 5, 6	., J,	σ,	Ο,	٠,	U		П
			0				П
241 = 1, 5	ο, ο,	7,	Ö				П
242 = 2, 5	, 6,	7,	8	_			П
243 = 1, 2	, 5,	6,	7,	8			П
244 = 3, 5				_			П
245 = 1, 3	5, 5,	6,	7,	8			П
246 = 2, 3	5, 5,	6,	7,	8			П
247 = 1, 2				7,	8		П
248 = 4, 5							П
249 = 1, 4	, 5,	6,	7,	8			П
250 = 2, 4 251 = 1, 2	, 5,	6,	7,	8			П
251 = 1, 2	2, 4,	5,	6,	7,	8		П
252 = 3, 4							
253 = 1, 3					8		
254 = 2, 3							П
257 = 2, 3 255 = 1, 2	, ,	4	5	6	7	8	П
256 = 1, 2 256 = 9	., 0,	т,	Ο,	Ο,	٠,	J	П
							П
257 = 1, 9							П
258 = 2, 9							П
259 = 1, 2							П
260 = 3, 9							ı

156 = 3, 4, 5, 8

104 = 4, 6, 7

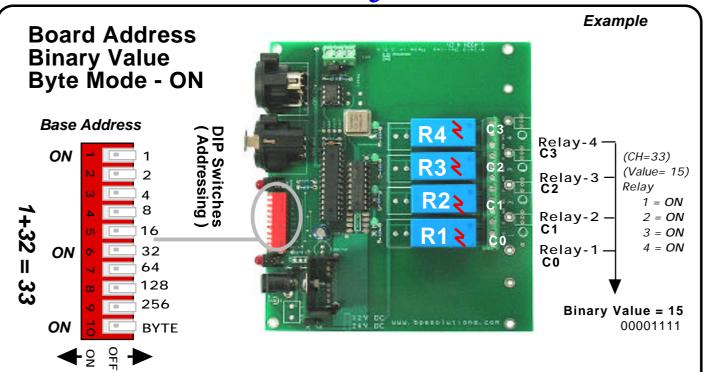
52 = 3, 5, 6







DMX 4-Channel Relay Board



Setting the base address of Relay Outputs when in byte mode - Switch 10 set to ON Add the value of the address DIP switches set to the ON position to calculate the base address. Example: DIP switches 6 and 1 set to ON position, the base address is now 33. (Single DMX control channel)

Control Syntex - (See Binary Chart for Values)

The DMX output values now act as a binary representation of the data on the base address channel. Example, if the base address is set to 33 and the value (Binary) on DMX channel 33 is 240 (Example: 11110000 in binary) then relays 1 through 4 are OFF.

Example

RELAY - 1-4 = ON

If the base address is set to 33 and the dmx value (Binary) on DMX channel 33 is15 then relays 1 through 4 would be ON

00001111 Binary Value

RELAY - 1,3 = ON, 2,4 = OFF

If the base address is set to 33 and the dmx value (Binary) on DMX channel 33 is 162 (10100010) then relays 1,3 would be ON and relays 2,4 OFF.

RELAY - 2,4 = ON, 1,3 = OFF

If the base address is set to 33 and the dmx value (Binary) on DMX channel 33 is 85 (01010101) then relays 2,4 would be ON and relays 1,3 OFF.

RELAYS - 1-4 = AII OFF

If the base address is set to 33 and the dmx value (Binary) on DMX channel 33 is 0 (00000000) then relays 1 through 8 would be OFF.

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DMX 8-Channel Relay Board

Binary Value Chart

8=R8 7=R7 6=R6 5=R5 4=R4 3=R3 2=R2 Page 1 of 2

CHANNELS 8-1 or RELAYS 8-1								
O=OFF	O=OFF R8 R7 R6 R5 R4 R3 R2 R1							
1=ON								

| Channel 8-1 Digit |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| 00000000 = 0 | 00110011 = 51 | 01100110 = 102 | 10011001 = 153 | 11001100 = 204 |
| 00000001 = 1 | 00110100 = 52 | 01100111 = 103 | 10011010 = 154 | 11001101 = 205 |
| 00000010 = 2 | 00110101 = 53 | 01101000 = 104 | 10011011 = 155 | 11001110 = 206 |
| 00000011 = 3 | 00110110 = 54 | 01101001 = 105 | 10011100 = 156 | 11001111 = 207 |
| 00000100 = 4 | 00110111 = 55 | 01101010 = 106 | 10011101 = 157 | 11010000 = 208 |
| 00000101 = 5 | 00111000 = 56 | 01101011 = 107 | 10011110 = 158 | 11010001 = 209 |
| 00000110 = 6 | 00111001 = 57 | 01101100 = 108 | 10011111 = 159 | 11010010 = 210 |
| 00000111 = 7 | 00111010 = 58 | 01101101 = 109 | 10100000 = 160 | 11010011 = 211 |
| 00001000 = 8 | 00111011 = 59 | 01101110 = 110 | 10100001 = 161 | 11010100 = 212 |
| 00001001 = 9 | 00111100 = 60 | 01101111 = 111 | 10100010 = 162 | 11010101 = 213 |
| 00001010 = 10 | 00111101 = 61 | 01110000 = 112 | 10100011 = 163 | 11010110 = 214 |
| 00001011 = 11 | 00111110 = 62 | 01110001 = 113 | 10100100 = 164 | 11010111 = 215 |
| 00001100 = 12 | 00111111 = 63 | 01110010 = 114 | 10100101 = 165 | 11011000 = 216 |
| 00001101 = 13 | 01000000 = 64 | 01110011 = 115 | 10100110 = 166 | 11011001 = 217 |
| 00001110 = 14 | 01000001 = 65 | 01110100 = 116 | 10100111 = 167 | 11011010 = 218 |
| 00001111 = 15 | 01000010 = 66 | 01110101 = 117 | 10101000 = 168 | 11011011 = 219 |
| 00010000 = 16 | 01000011 = 67 | 01110110 = 118 | 10101001 = 169 | 11011100 = 220 |
| 00010001 = 17 | 01000100 = 68 | 01110111 = 119 | 10101010 = 170 | 11011101 = 221 |
| 00010010 = 18 | 01000101 = 69 | 01111000 = 120 | 10101011 = 171 | 11011110 = 222 |
| 00010011 = 19 | 01000110 = 70 | 01111001 = 121 | 10001100 = 172 | 11011111 = 223 |
| 00010100 = 20 | 01000111 = 71 | 01111010 = 122 | 10101101 = 173 | 11100000 = 224 |
| 00010101 = 21 | 01001000 = 72 | 01111011 = 123 | 10101110 = 174 | 11100001 = 225 |
| 00010110 = 22 | 01001001 = 73 | 01111100 = 124 | 10101111 = 175 | 11100010 = 226 |
| 00010111 = 23 | 01001010 = 74 | 01111101 = 125 | 10110000 = 176 | 11100011 = 227 |
| 00011000 = 24 | 01001011 = 75 | 01111110 = 126 | 10110001 = 177 | 11100100 = 228 |
| 00011001 = 25 | 01001100 = 76 | 01111111 = 127 | 10110010 = 178 | 11100101 = 229 |
| 00011010 = 26 | 01001101 = 77 | 10000000 =128 | 10110011 = 179 | 11100110 = 230 |
| 00011011 = 27 | 01001110 = 78 | 10000001 = 129 | 10110100 = 180 | 11100111 = 231 |
| 00011100 = 28 | 01001111 = 79 | 10000010 = 130 | 10110101 = 181 | 11101000 = 232 |
| 00011101 = 29 | 01010000 = 80 | 10000011 = 131 | 10110110 = 182 | 11101001 = 233 |
| 00011110 = 30 | 01010001 = 81 | 10000100 = 132 | 10110111 = 183 | 11101010 = 234 |
| 00011111 = 31 | 01010010 = 82 | 10000101 = 133 | 10111000 = 184 | 11101011 = 235 |
| 00100000 = 32 | 01010011 = 83 | 10000110 = 134 | 10111001 = 185 | 11101100 = 236 |
| 00100001 = 33 | 01010100 = 84 | 10000111 = 135 | 10111010 = 186 | 11101101 = 237 |
| 00100010 = 34 | 01010101 = 85 | 10001000 = 136 | 10111011 = 187 | 11101110 = 238 |
| 00100011 = 35 | 01010110 = 86 | 10001001 = 137 | 10111100 = 188 | 11101111 = 239 |
| 00100100 = 36 | 01010111 = 87 | 10001010 = 138 | 10111101 = 189 | 11110000 = 240 |
| 00100101 = 37 | 01011000 = 88 | 10001011 = 139 | 10111110 = 190 | 11110001 = 241 |
| 00100110 = 38 | 01011001 = 89 | 10001100 = 140 | 10111111 = 191 | 11110010 = 242 |



DMX 8-Channel Relay Board

Binary Value Chart - Cont. Page 2 of 2

	_
00100111	= 39
00101000	= 40
00101001	= 41
00101010	= 42
00101011	= 43
00101100	= 44
00101101	= 45
00101110	= 46
00101111	= 47
00110000	= 48
00110001	= 49
00110010	= 50

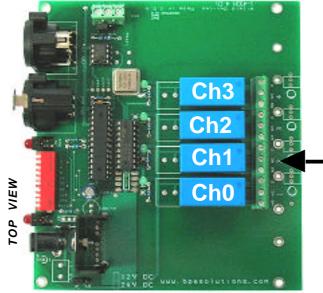
01011010	=	90
01011011	Ш	91
01011100	Ш	92
01011101	Ш	93
01011110	Ш	94
01011111	=	95
01100000	=	96
01100001	Ш	97
01100010	Ш	98
01100011	Ш	99
01100100	ı	100
01100101	= 1	101

10	001101	=141
10	001110	=142
10	001111	=143
10	010000	=144
10	010001	=145
10	010010	=146
10	010011	=147
10	010100	=148
10	010101	=149
10	010110	=150
10	010111	=151
10	011000	=152

Page 2 of 2	
11000000	= 192
11000001	= 193
11000010	= 194
11000011	= 195
11000100	= 196
11000101	= 197
11000110	= 198
11000111	= 199
11001000	= 200
11001001	= 201
11001010	= 202
11001011	= 203
11001011	= 203

8=R8 7=R7 6=R6 5=R5 4=R4	
11110011	= 243
11110100	= 244
11110101	= 245
11110110	= 246
11110111	= 247
11111000	= 248
11111001	= 249
11111010	= 250
11111011	= 251
11111100	= 252
11111101	= 253
11111110	= 254
11111111	=255

	CHANNELS 3-0 or RELAYS 4-1						
			R4	R3	R2	R1	DMX - Relay
	0=0FF - 1=0N		0 or1	O or 1	O or 1	O or 1	Binary Value
			С3	C2	C1	CO	Channel / Port
			8	4	2	1	Decimal Value
Binary Action Channels / Ports					Bina	ry Val	ue
0= Channel / Port / Relay OFF			0 = All Channels / Ports OFF				
1= Channel /	Port / Relay ON		255 = All Channels / Ports ON				



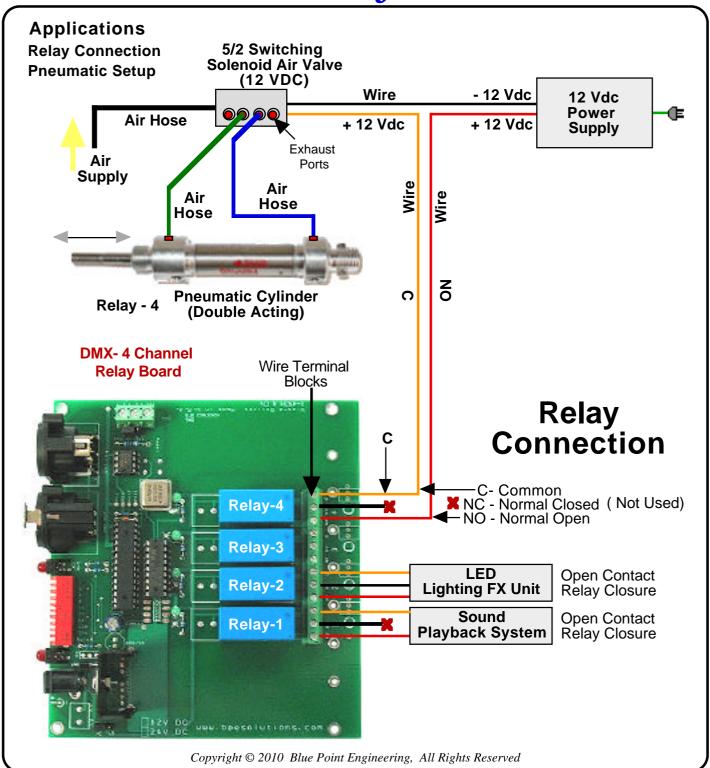
Relay No	Channel No	Decimal Value	Binary Value	Alpha Value
R-4	Ch3	8	0 or 1	D
R-3	Ch2	4	0 or 1	C
R-2	Ch1	2	0 or 1	В
R-1	Ch0	1	0 or 1	Α

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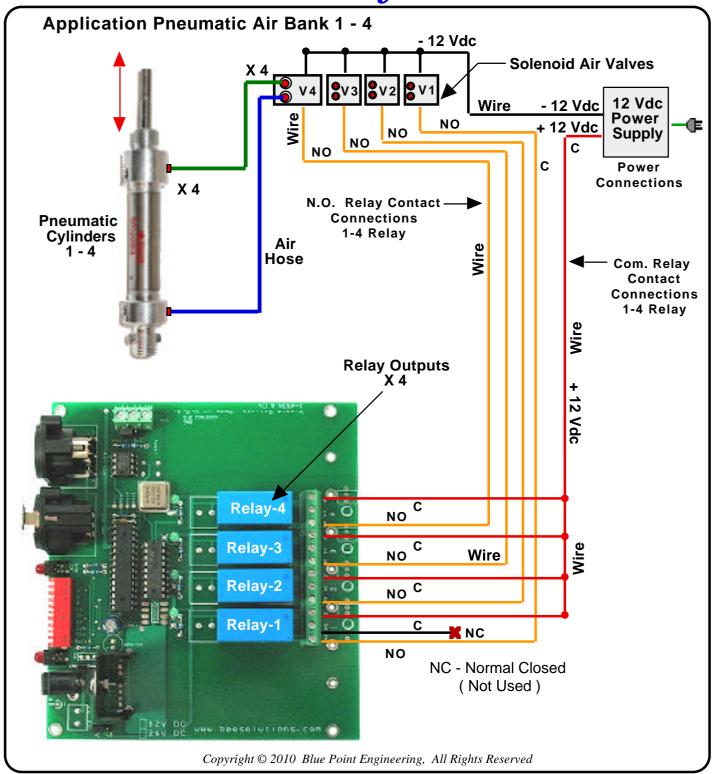
DMX 4-Channel Relay Board







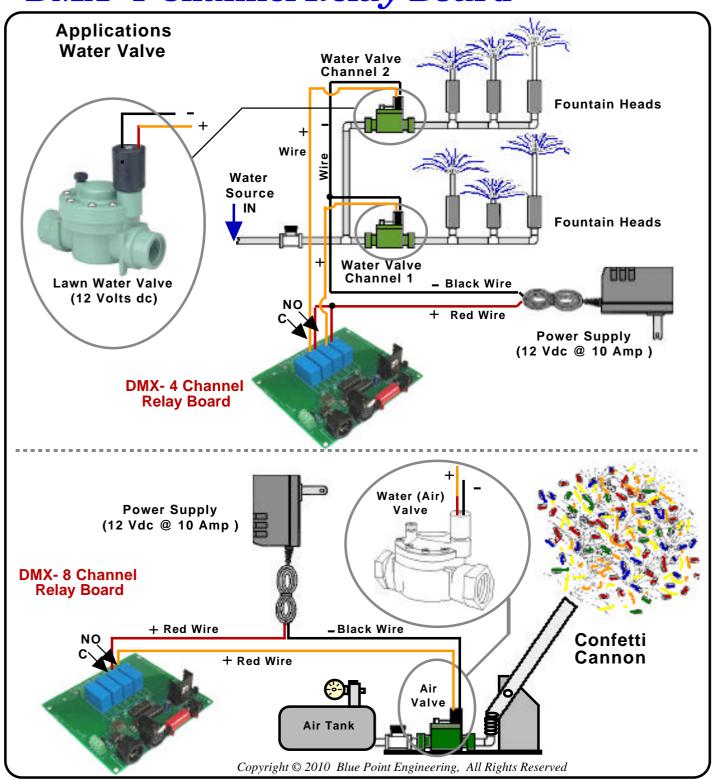
DMX 4-Channel Relay Board







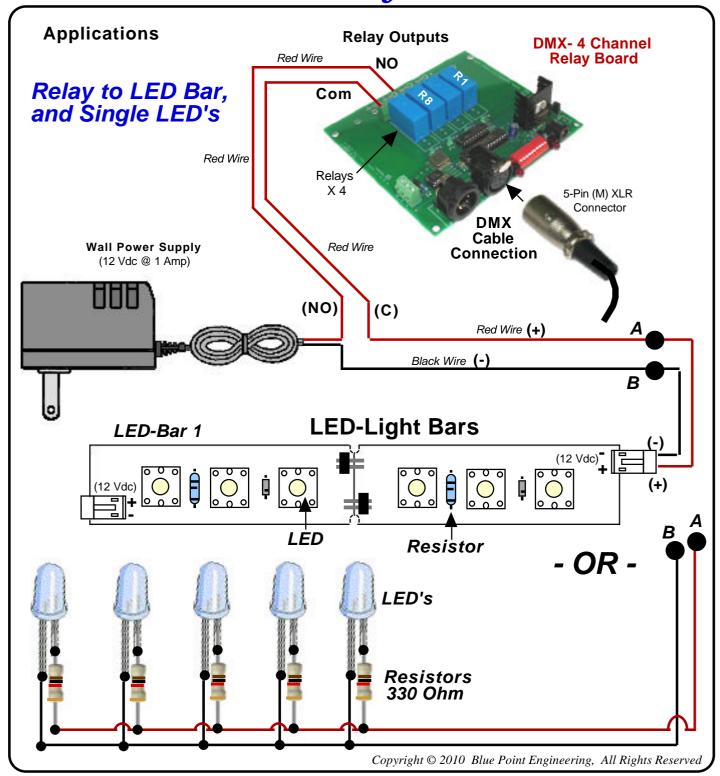
DMX 4-Channel Relay Board







DMX 4-Channel Relay Board







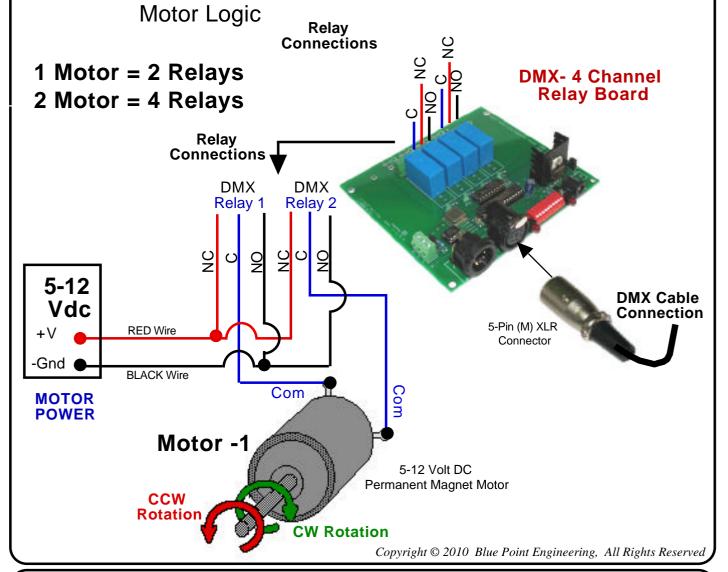
DMX 4-Channel Relay Board

DMX Relay / Switch Logic

	DMX Relay 1	DMX Relay 2	Motor Status
	OFF	OFF	STOP
Motor No. 1	OFF	ON	CCW
	ON	OFF	CW
	ON	ON	STOP

Relay Motor Control

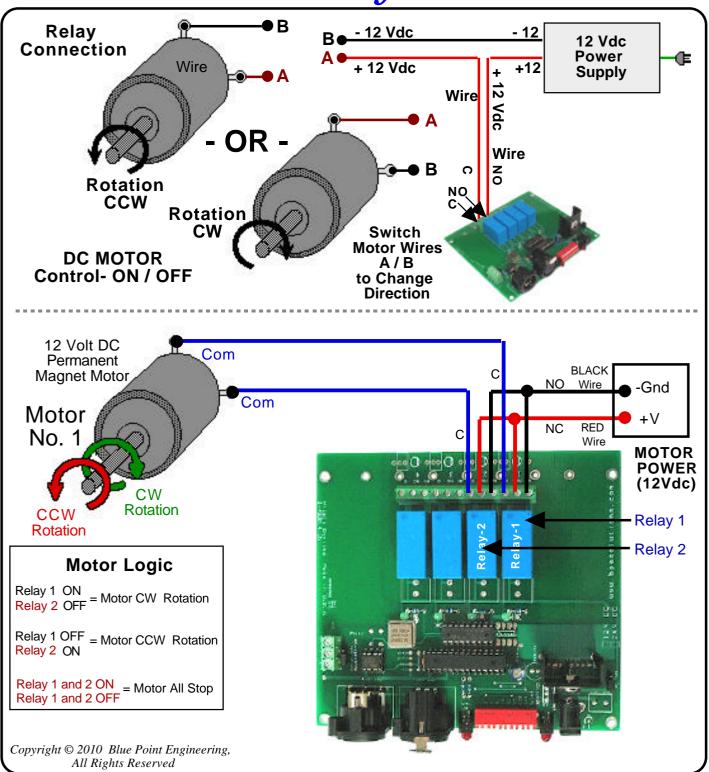
This design prevents the possibility of both relays from shorting back into the power supply when relays 1 and 2 are switched ON or OFF together at the same time.







DMX 4-Channel Relay Board

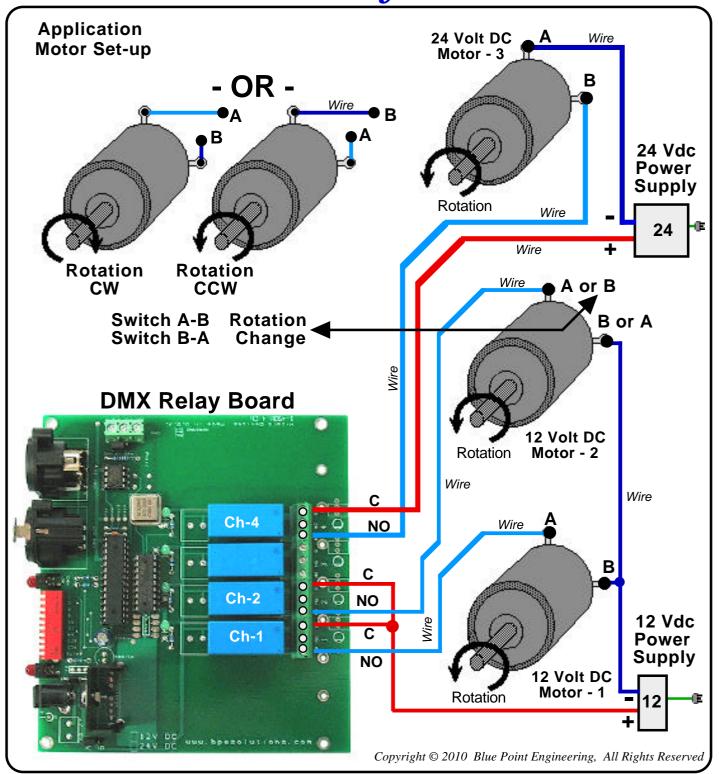








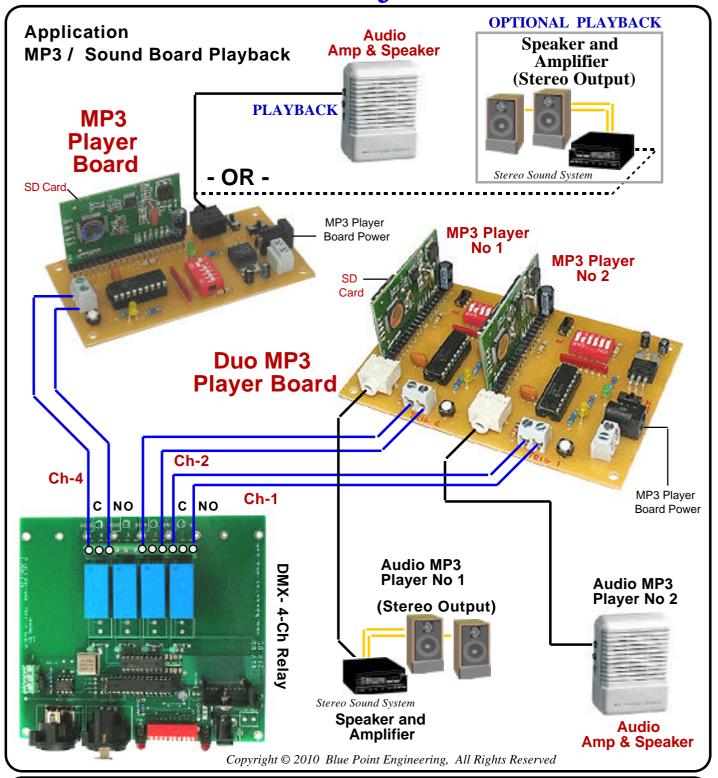
DMX 4-Channel Relay Board







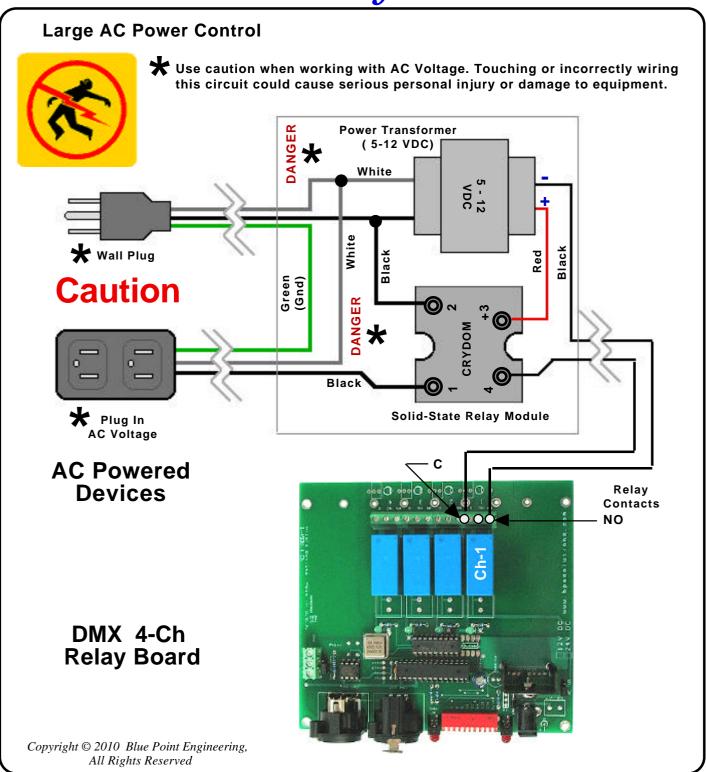
DMX 4-Channel Relay Board







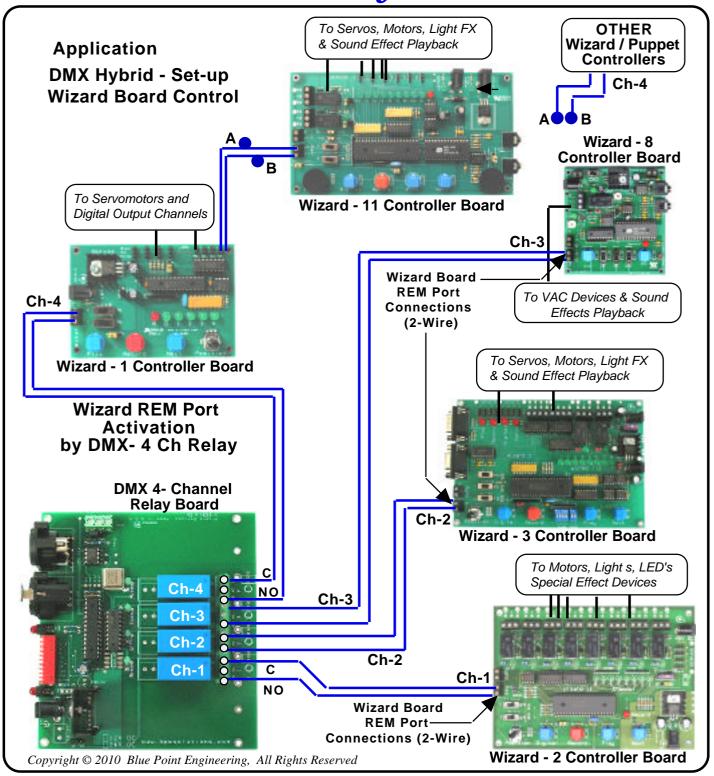
DMX 4-Channel Relay Board







DMX 4-Channel Relay Board







DMX 4-Channel Relay Board

DMX RELAY BOARD NO:			
DMX RELAY BOARD Application:			
TRM = (ON /OFF)			
	Addressing	Out P Applic	
Relay -4			
Relay -3	Relay -4		
	Relay -3		
Relay -2	Relay -2		
Relay -1	Relay -1		
	•		
			0 1
O LEFT DO UNE DECEMBER ON CONTROL FOR THE		1/0/	I
O LE 260 OC UMB. BROSERIUTIONS, CON	SW/ 4	Value	OFF ON
	SW-1 □ SW-2		OFF ON
	ш SW-2		OFF ON
Addressing 49 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SW-2 SW-3 SW-4 SW-5		OFF ON
1	SW-2 SW-3 SW-4 SW-5 OFF SW-6		OFF ON
Addressing 1 = Relay ON	SW-2 SW-3 SW-4 SW-5 OFF SW-6 ON SW-7 SW-8		OFF ON
Addressing 1 2 3 4 5 6 7 8 9	SW-2 SW-3 SW-4 SW-5 OFF SW-6		OFF ON