

# CONNECTION INSTRUCTIONS

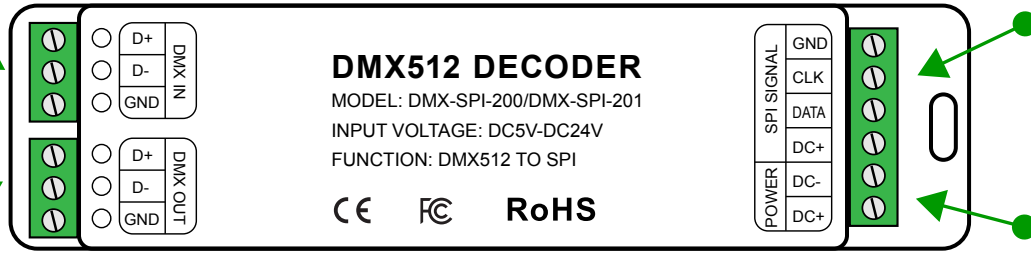
# DMX to Digital SPI Decoder with Adjustable IC

**DMX Signal Input**  
from last DMX Driver  
or Main DMX Controller

**LED Digital Output**  
DC+, Data, Clock, GND

**DMX Signal Connection**

D+ = DMX+  
D- = DMX-  
GND = GROUND

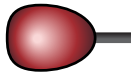
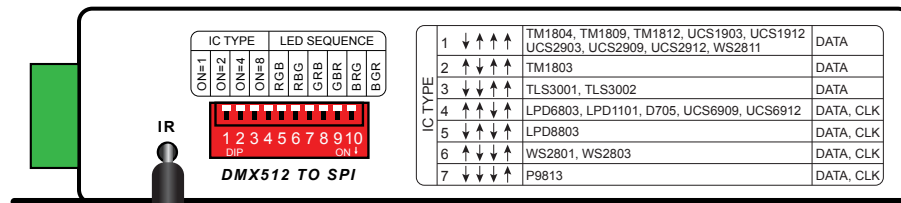


**DMX Signal Output**  
going to next DMX Driver  
or if connecting last driver  
plug in Terminator

**DC Power Input**  
5VDC, 12VDC, or 24VDC  
Constant Voltage

**IR Input**

Use the IR Sensor  
for use with Infrared  
Remote Control



**RGB Sequence**

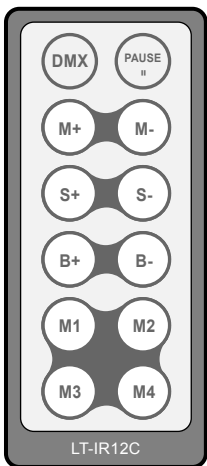
No.	Dip Switch 5-10	CH 1, 2, 3
1	5: R, 6: G, 7: B, 8: R, 9: G, 10: B	R, G, B
2	5: R, 6: B, 7: G, 8: R, 9: G, 10: B	R, B, G
3	5: G, 6: R, 7: B, 8: R, 9: G, 10: B	G, R, B
4	5: G, 6: B, 7: R, 8: R, 9: G, 10: B	G, B, R
5	5: B, 6: R, 7: G, 8: R, 9: G, 10: B	B, R, G
6	5: B, 6: G, 7: R, 8: R, 9: G, 10: B	B, G, R

**IC Type Dip Code Selection**

No.	Dip Switch 1-4	Compatible IC Types	Output
1	1: ↑, 2: ↓, 3: ↓, 4: ↓	TM1804, TM1809, TM1812, UCS1903, UCS1912, UCS2903, UCS2909, UCS2912, WS2811	DATA
2	1: ↑, 2: ↓, 3: ↓, 4: ↓	TM1803	DATA
3	1: ↑, 2: ↓, 3: ↓, 4: ↓	TLS3001, TLS3002	DATA
4	1: ↑, 2: ↓, 3: ↓, 4: ↓	LPD6803, LPD1101, D705, UCS6909, UCS6912	DATA, CLK
5	1: ↑, 2: ↓, 3: ↓, 4: ↓	LPD8803	DATA, CLK
6	1: ↑, 2: ↓, 3: ↓, 4: ↓	WS2801, WS2803	DATA, CLK
7	1: ↑, 2: ↓, 3: ↓, 4: ↓	P9813	DATA, CLK

**NOTE:** Decoder defaults to starting DMX Address 1, this can not be changed.

**IR REMOTE**



- DMX** DMX ON/OFF
- DMX** DMX ON/OFF
- PAUSE** PAUSE SCENE
- M+** MODE UP
- M-** MODE DOWN
- S+** SPEED UP
- S-** SPEED DOWN
- B+** BRIGHTNESS UP
- B-** BRIGHTNESS DOWN
- M1** DIY MODE1
- M2** DIY MODE2
- M3** DIY MODE3
- M4** DIY MODE4

**Built In Color Changing Modes**

No.	Color Effect	No.	Color Effect	No.	Color Effect
1	Static Red	13	7 Color Fade	26	R-Y Smooth Chase
2	Static Green	14	RGB Fade In/Out	27	R-P Smooth Chase
3	Static Blue	15	7 Color Fade In/Out	28	G-Y Smooth Chase
4	Static Yellow	16	RGB Solid Chase	29	G-C Smooth Chase
5	Static Purple	17	7 Color Solid Chase	30	B-P Smooth Chase
6	Static Cyan	18	RGB Chase 8px	31	B-C Smooth Chase
7	Static White	19	7 Color Chase 8px	32	R-Y-G Smooth Chase
8	RGB Jump	20	White Trail Chase	33	R-P-B Smooth Chase
9	7 Color Jump	21	RGB Trail Chase	34	Static Green
10	RGB Strobe	23	7 Color Trail Chase	35	7 Color Smooth Chase
11	7 Color Strobe	24	R-W Smooth Chase		
12	RGB Fade	25	G-W Smooth Chase		