

5 CHANNEL DMX DECODER

The 5 Channel DMX Decoder is used with DMX controllers to seamlessly operate color changing fixtures. Control multiple Static White or Static Color, Variable White, RGBW, RGBA and RGBWW fixtures. Save 27 built-in scenes and easily adjust speed and brightness. Choose from 8-bit or 16-bit color control. Test Mode allows manual testing — check specific color levels for troubleshooting without a controller. The 5 Channel DMX Decoder can be remotely programmed to set DMX addresses, modes and configurations or monitor sensors, usage and status messages.

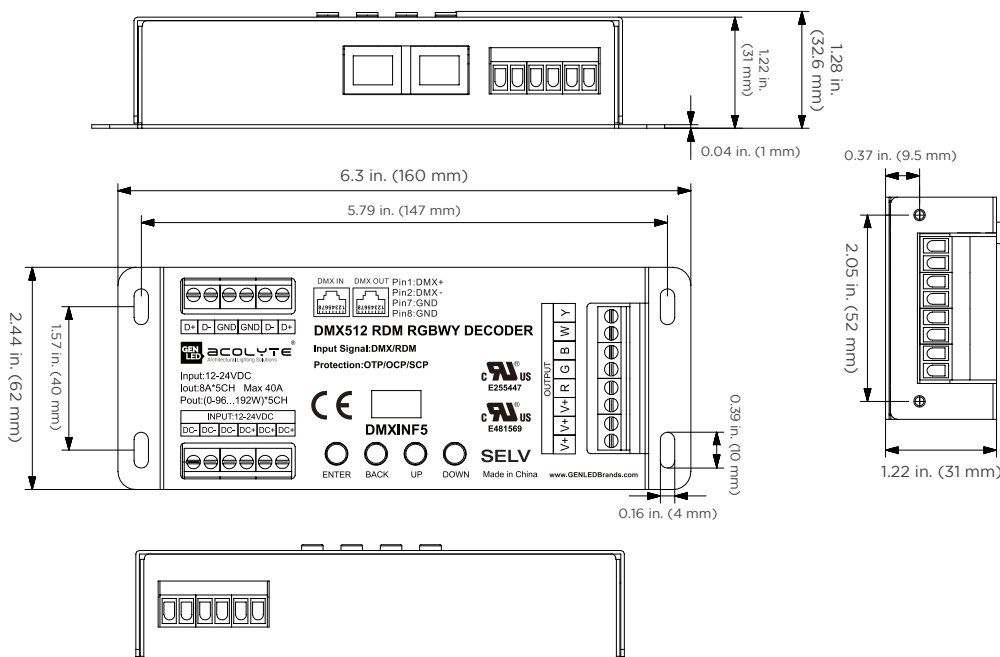
- 12-24 VDC power
- 8 A/channel output x 5 channels (up to 960 W)
- 2 DMX connection types: wire terminals and RJ45 (Ethernet)
- Crystal-clear OLED display screen
- 4 touch buttons
- 8-bit resolution (master mode support); 16-bit optional
- RDM (remote) capable programming
- Control multiple fixtures
- 27 built-in scenes (adjust speed, brightness)
- Adjust dimming and CCT
- Control RGB, RGBW, RGBA or RGBWW
- Linear/logarithmic dimming curve
- Short circuit, overload, overtemperature protections
- Daisy chain up to 32 interfaces (control up to 160 interfaces with signal amplifiers)
- Self-testing function
- Meets DMX512/1990, RDM/2009 protocols
- Requires DMX terminator at end of chain (when recoil effect occurs, over long distances)



IP20

DIMENSIONS

Width: 2.44 in (62 mm)
Length: 6.3 in (160 mm)
Height: 1.28 in (32.6 mm)



ORDERING GUIDE

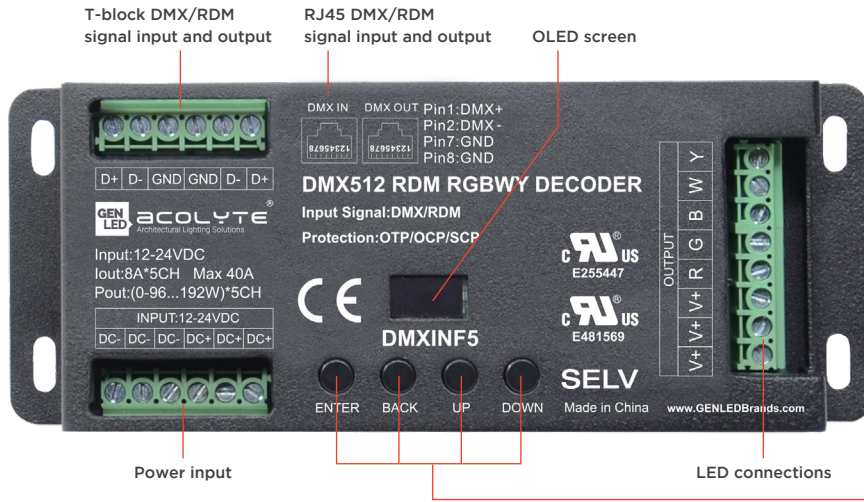
Category

DMXINF5

DMXINF5 - 5 Channel DMX Decoder

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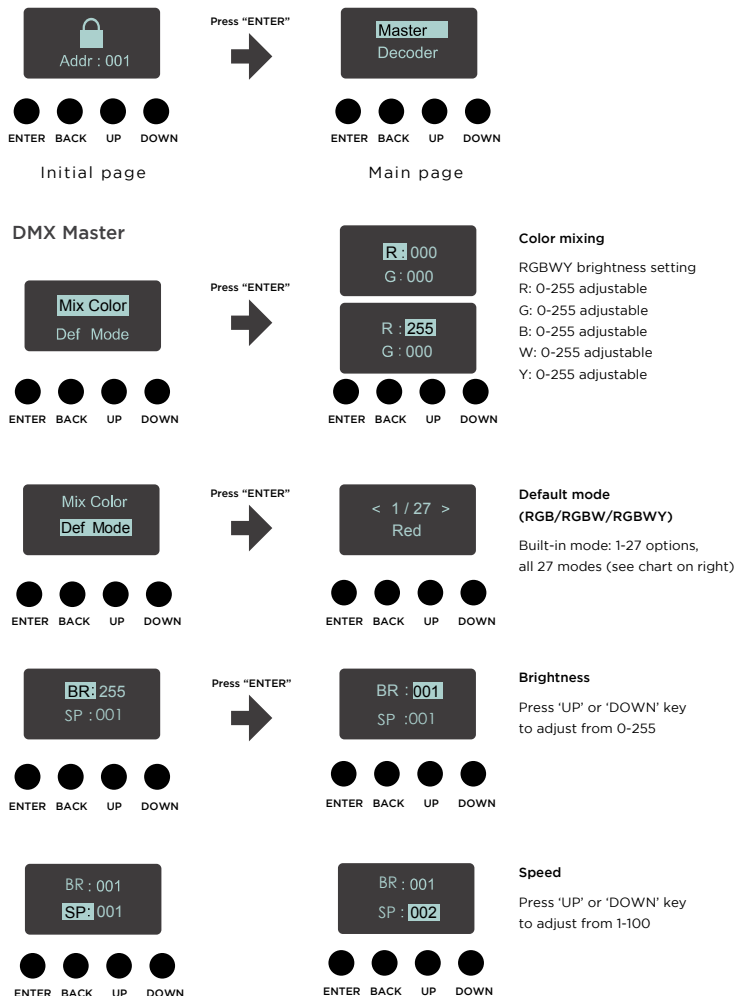
USER GUIDE



Button	Function
ENTER	Use cursor to select option from menu
BACK	Exit option and return to previous menu
UP	Move cursor up, or change options
DOWN	Move cursor down, or change options

OLED SCREEN DESCRIPTION

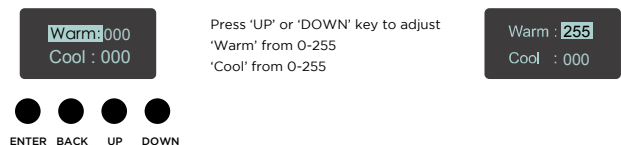
When powered on again, the 5 Channel DMX Interface restores the default initial page that shows current parameter information and working status. Press 'Enter' to go to the home page. If there are no operations within 1 minute, the OLED screen will restore the initial page.



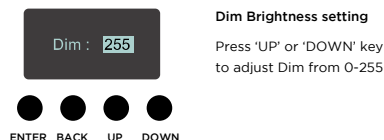
Default Mode (RGB/RGBW/RGBWY)

No.	Mode	No.	Mode
1	Red	15	GB Ramp
2	Green	16	RGB Ramp
3	Blue	17	ALL Ramp
4	Yellow	18	RG_Gradient
5	Cyan	19	RB_Gradient
6	Purple	20	GB_Gradient
7	White	21	RGB_Gradient
8	RG Jump	22	ALL_Gradient
9	RB Jump	23	RG_Chase
10	GB Jump	24	RB_Chase
11	RGB Jump	25	GB_Chase
12	ALL Jump	26	RGB_Chase
13	RG Ramp	27	ALL_Chase
14	RB Ramp		

Default Mode (Color Temperature)

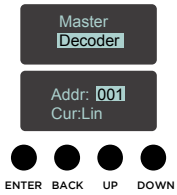


Default Mode (Dimming)



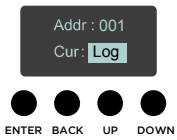
OLED SCREEN DESCRIPTION (CONTINUES)

DMX Decoder



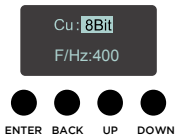
DMX Address setting

Press 'UP' or 'DOWN' key to set DMX address
Adjust from 1-512



Dimming Curve settings

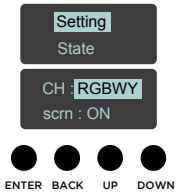
Press 'UP' or 'DOWN' key to set dimming curve
Choose 'Linear' or 'Log' (for logarithmic)



Resolution setting

Press 'UP' or 'DOWN' key to set resolution
Choose '8Bit' or '16Bit'

System setting



Output setting

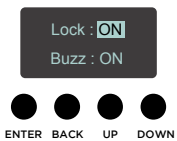
Press 'UP' or 'DOWN' key to set output channel
Choose from Dim, CT, RGB, RGBW, RGBWY

Screen On/Off settings: ON

When the scrn: OFF function is enabled, the screen will automatically turn off if there is no operation within 2 minutes.

Lock: ON

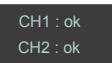
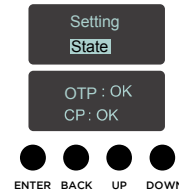
The screen will be locked if there is no operation within 1 minute. To unlock, press the 'Enter' key for 3 seconds.



Lock: ON

The screen will be locked if there is no operation within 1 minute. Choose '8Bit' or '16Bit'
To unlock, press the 'ENTER' key for 3 seconds.

System Status

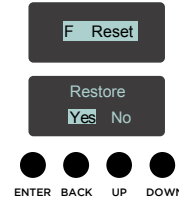


OTP/OCF/SCP Status

After wiring is complete, you can check the short circuit, overcurrent and overload protections on this page. If a fault occurs, the 'OK' will switch to 'Warn'

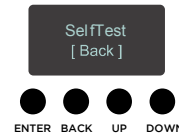
CP: Warn indicates a short circuit. After troubleshooting, power off and restart the decoder.

Factory Reset



Choose 'Yes' to restore factory setting.
Choose 'No' to cancel.

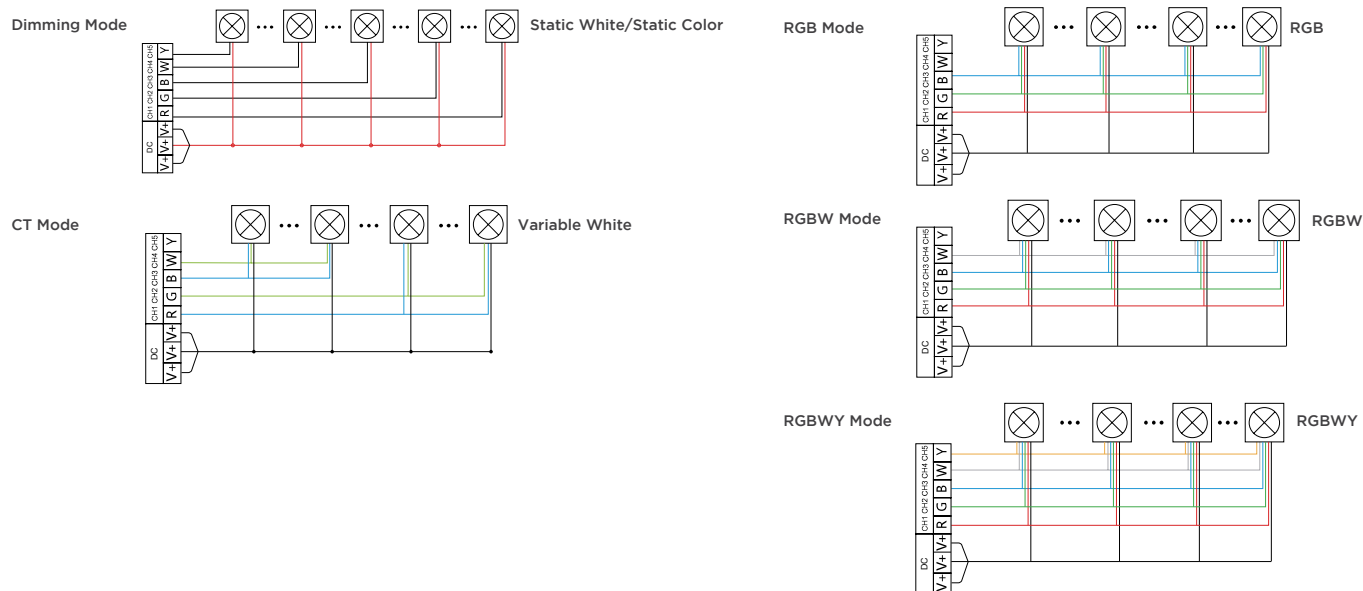
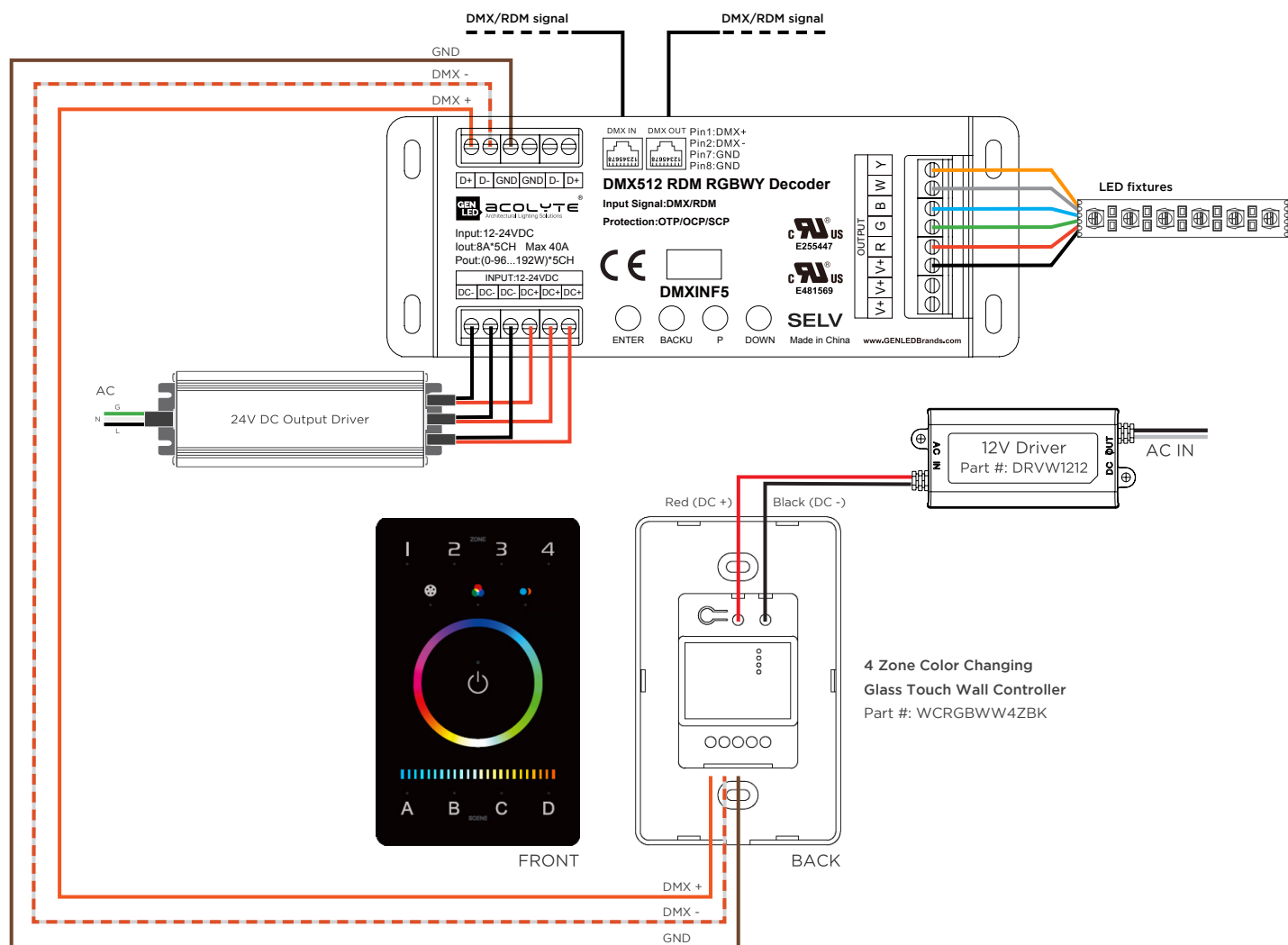
Self-testing



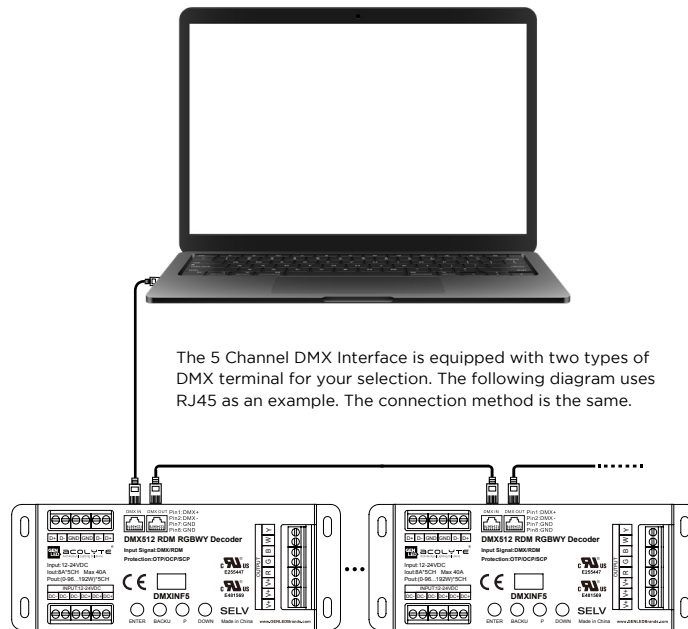
Quick self-testing

Press 'BACK' for 3 seconds on any page

WIRING DIAGRAM



CONNECTION

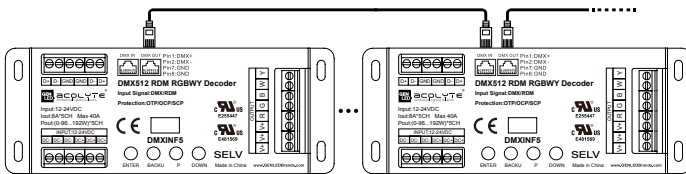


The 5 Channel DMX Interface is equipped with two types of DMX terminal for your selection. The following diagram uses RJ45 as an example. The connection method is the same.

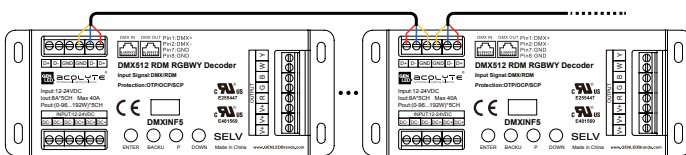
An amplifier is needed when more than 32 interfaces are connected. Signal amplification should not exceed 5 continuous amplifiers.

If a recoil effect occurs (due to a longer signal line or bad line quality), please try to connect a 0.25 W 90-120 ohm terminal resistor at the end of each line.

Connection diagram for 2 types of DMX/RDM terminals



RJ45 connected in parallel



T-block connected in parallel

Address setting tables

Mode	DIM	CCT	RGB	RGBW	RGBWY
Address Quantity	1	2	3	4	5
Resolution	8 bit	8 bit	8 bit	8 bit	8 bit
Channel	1	001	001 Dim	001	001
	2	001	002 CCT	002	002
	3	001	001 Dim	003	003
	4	001	002 CCT	003	004
	5	001	--	003	004

Mode	DIM	CCT	RGB	RGBW	RGBWY
Address Quantity	1	2	3	4	5
Resolution	16 bit	16 bit	16 bit	16 bit	16 bit
Channel	1	001	001 Dim	001	001
		002	002	002	002
	2	001	003 CCT	003	003
		002	004	004	004
	3	001	001 Dim	005	005
		002	002	006	006
	4	001	003 CCT	005	007
		002	004	006	008
	5	001	--	005	009
		002	--	006	010