User Guide

3 Channel High Voltage LED Strip DMX Decoder
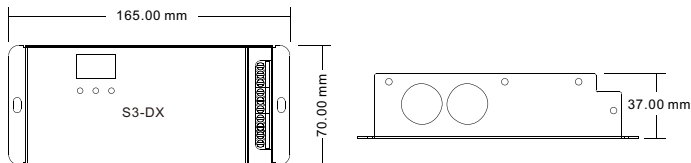
Feature

● 3 channel high voltage LED strip DMX decoder and RF 2.4G controller with digital display.

● DMX mode / Stand-alone RGB mode / RF mode.

● Standard DMX512 compliant interface, DMX address display, set DMX address freely.

● RDM bi-direction communication function.

● Under Stand-alone RGB mode (no need RF remote), have one static adjustable color mode and 30 kinds mode, include static color, jump, flash or gradual change style, adjustable speed and brightness.

● Under RF mode, full compatibility with a variety of RGB, single color dimming or color temperature remote.

● Adopt 2.4GHz wireless technology, can accept up to 10 remote control.

● Can be WiFi controlled by APP installed on IOS or Android mobile devices while working with WiFi-Relay controller.

● 1/3 DMX channel decode optional.

● High or low PWM frequency optional.

● Log or linear dimming curve optional.

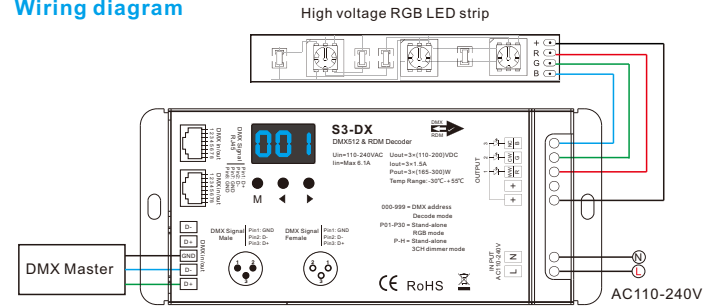● Three kinds of DMX signal input method, have XLR3 and RJ45 port.

Technical parameter

Model	Name	Input voltage	Output voltage	Output current	Output power
S3-DX	DMX decoder and RF controller	110-240VAC	110-200VDC	3CH,1.5A/CH	3x(165-300)W

Dimension

Wiring diagram

High voltage RGB LED strip

AC110-240V

Operation

System parameter setting

● Long press M and ◄ key for 2s, prepare for setup system parameter: decode mode, output PWM frequence, output brightness curve, automatic blank screen. short press M key to switch four item.

● Decode mode: short press ◄ or ▶ key to switch one-channel decode("d-1") and three-channel decode("d-3").

● Output PWM frequence: short press ◄ or ▶ key to switch 500Hz("F-L") or 2KHz("F-H").

● Output brightness curve: short press ◄ or ▶ key to switch linear curve("C-L") or logarithmic curve("C-E").

● Automatic blank screen: short press ◄ or ▶ key to switch enable ("bon") or disable("boF") automatic blank screen.

● Long press M key for 2s or timeout 10s, quit system parameter setting.

DMX mode

● Short press M key, when display 001~999, enter DMX mode.

● Press ◄ or ▶ key to change DMX decode address(001~999), long press for fast adjustment.

● If there is a DMX signal input, will enter DMX mode automatically.

DMX mode
(001~999)

Stand-alone
RGB mode
(P01~P30)

Stand-alone RGB mode

● Short press M key, when display P-H or P01-P30, enter stand-alone RGB mode.

● Press ◄ or ▶ key to change static adjustable mode(P-H) and 30 dynamic mode(P01~P30).

● When run static adjustable mode, can adjust three channel brightness respectively. Long press M key for 2s, prepare for setup three channel brightness. Short press M key switch three channel dimming(100~1FF, 200~2FF, 300~3FF), press ◄ or ▶ key adjust each channel brightness.

● When run 30 dynamic mode, can adjust each mode speed and brightness. Long press M key for 2s, prepare for setup speed and brightness. Short press M key to switch two item. Mode speed: 1-10 level speed(S-1, S-9, S-F). Mode brightness: 1-10 level brightness(b-1, b-9, b-F).

● Enter stand-alone RGB mode only when DMX signal is disconnected or lost.

Speed
(8 level)

Brightness
(10 level,100%)