



Constant Voltage Waterproof Decoders

PX0408-WP



Summary

Welcome to use PX series DMX512/RDM decoder & driver. PX series adopt the advanced micro-computer control technology and converted the DMX512,RDM/2009 digital signal widely used in international to the PWM control signal. 1-4 channels output for option and each channel able to achieve 256 gradations of controlling, and also it can be used as the connector of PC digital light controller and analog light modulator. It is mainly used for the controlling of buildings & lights applied LED.

Product Features

Compliant with DMX512/1990 and RDM/2009 international standard protocols

DMX address can be flexibly set via buttons

Equipped with a lamp color selection mechanism, capable of controlling fixtures with 1 to 4 basic colors

For convenient installation and use, the default address code is set to 1 upon factory shipment

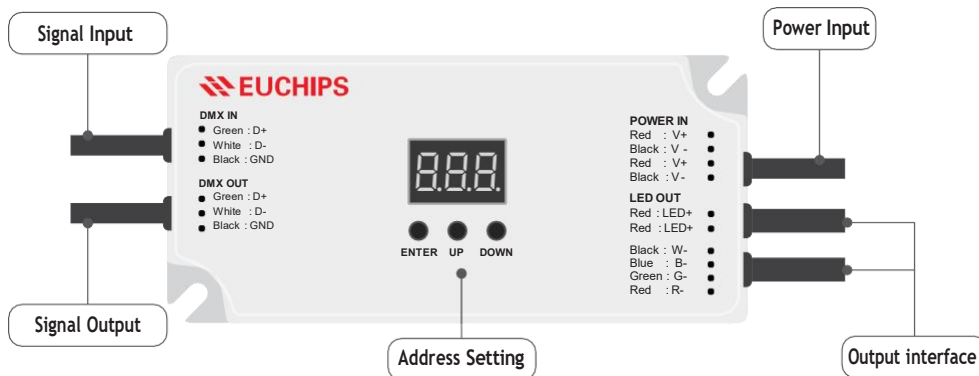
Waterproof housing design with an IP65 rating

Widely applicable for buildings, hotels, KTVs, residential spaces, and other venues

Technical Parameters

Model	PX0408-WP	Standby Power	<0.5W(24V)
Input Voltage	12-24V DC	Working temp.	-20℃~+50℃
Input signal	DMX512/RDM	Relative humidity	-40℃~85℃, 20%-90%RH (No condensation)
Output Voltage	12-24V	Material	PC
Output Current	8A	IP rating	IP65
Output Power	384W(12V) / 768W(24V)	Weight	607g
Output Channel	4CH	Switch cycle	50000h
Short circuit Protection	YES	Warranty Condition	5 years
Overcurrent Protection	YES	Dimension	148mm*68mm*36mm (L*W*H)
Pack Information	N.W: --- ±5%/PCS; --- PCS/Carton; ---kg(25.9 lb)±5%/Carton; Carton Size: ---x---x---mm(L*W*H)		

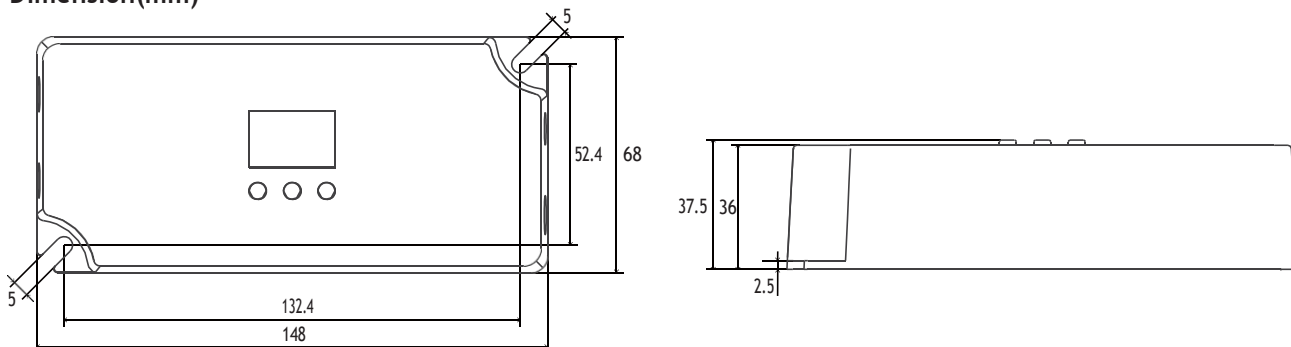
Interface Description

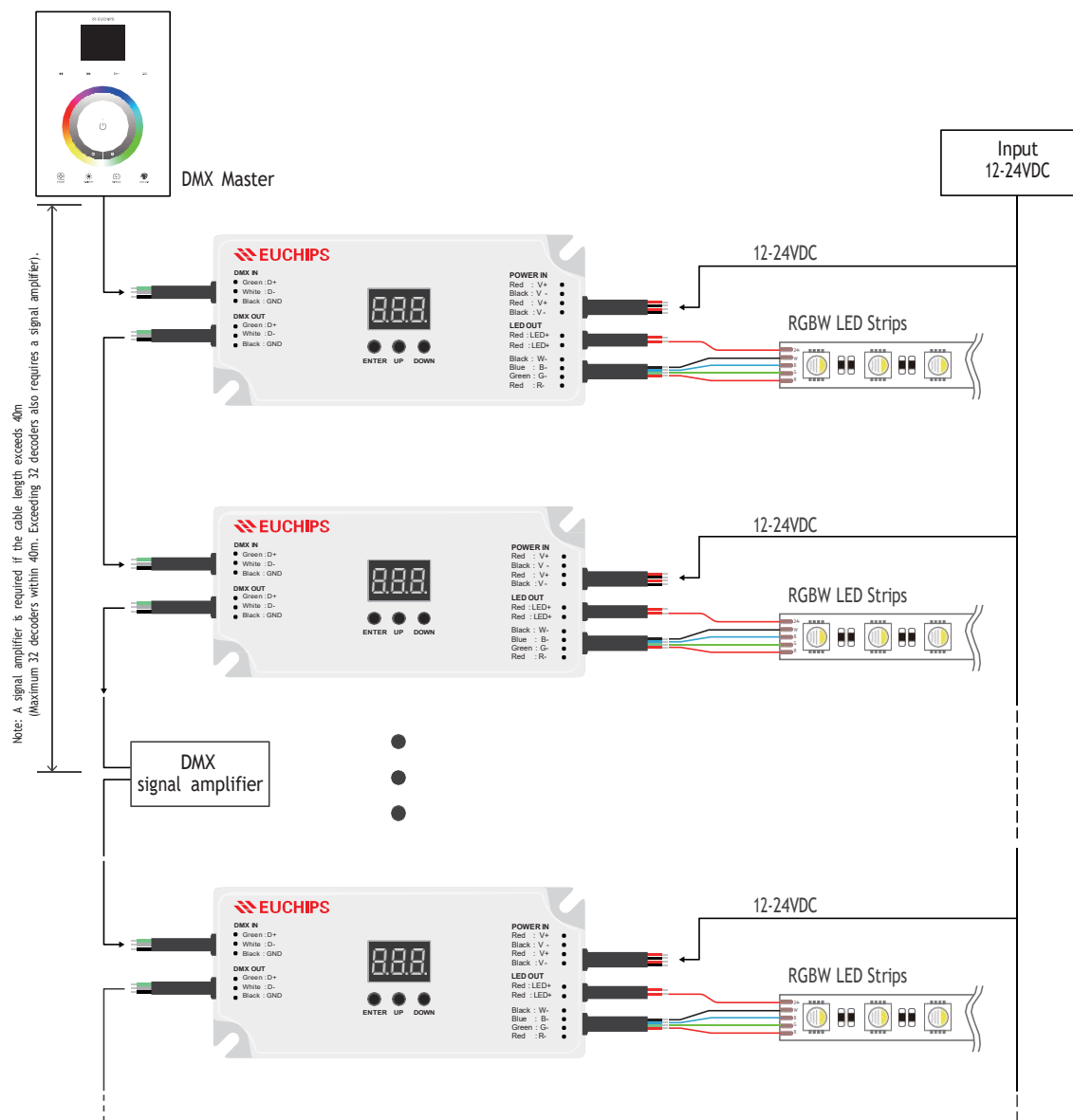


Address Setting Instructions

1. In decoder mode, the address is displayed. Press UP or DOWN briefly to increase or decrease the address by one; press and hold to increase or decrease by 5 digits initially.
2. In decoder mode, press and hold the ENTER key to enter the dimming curve mode, displaying C-d/L, which indicates a linear/logarithmic dimming curve (switchable with the UP and DOWN keys). At this point, press the ENTER key briefly to switch to the frequency mode, displaying F-X (1:400Hz, 2:1kHz, 3:2kHz, 4:3kHz, 5:4kHz). Press the ENTER key briefly again to toggle between the dimming curve and frequency modes. Press and hold the ENTER key or wait for 30 seconds without operation to return to the address display.
3. In decoder mode, press the ENTER key briefly to enter the custom mode selection, displaying P-X (1: R on, 2: G on, 3: B on, 4: W on, 5: all on, 6: overall jump, 7: overall flicker, 8: overall gradient). At this point, press and hold the ENTER key to enter the brightness adjustment mode, displaying L-X (10 brightness levels, 0 for off, 9 for maximum brightness). Then, press the ENTER key briefly to enter the speed adjustment mode, displaying S-X (with 10 levels). Press the ENTER key briefly again to toggle between the brightness adjustment and speed adjustment modes. Press and hold the ENTER key or wait for 30 seconds without operation to return to the custom mode selection.
4. Enter screen-off mode after 1 minute without operation. Hold the ENTER key for 3 seconds to relight.

Dimension(mm)





Note: A signal amplifier is required if the cable length exceeds 40m
(Maximum 32 decoders within 40m. Exceeding 32 decoders also requires a signal amplifier).