

User Manual: Squared Modular Series 24x12W RGBAW+UV (6in1)

Manual | Modular Series 24x12W RGBAW+UV (6in1)

Caution!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires! Keep this device away from rain and moisture! Make sure it is grounded when using it! Unplug mains lead before opening the housing! For your own safety, please read this user manual carefully before you initial start-up.

Introduction

Thank you for having chosen „Modular Series 24x12W RGBAW+UV (6in1)“. You will see you acquired a powerful and versatile device. Unpack your item. Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

Safety instructions

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual. Always disconnect from the mains, when the device is not in use or before cleaning it. Keep away children and amateurs from the device! There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Features

Three operation modes: DMX 512 protocol, auto and master/slave and operating in various modes to form different led effects

DMX-512 connection / connection between fixtures Occupation of the XLR-connection:

If you are using controllers with this occupation, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.

Building a serial DMX-chain:

Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

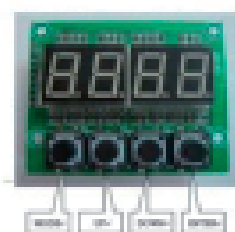
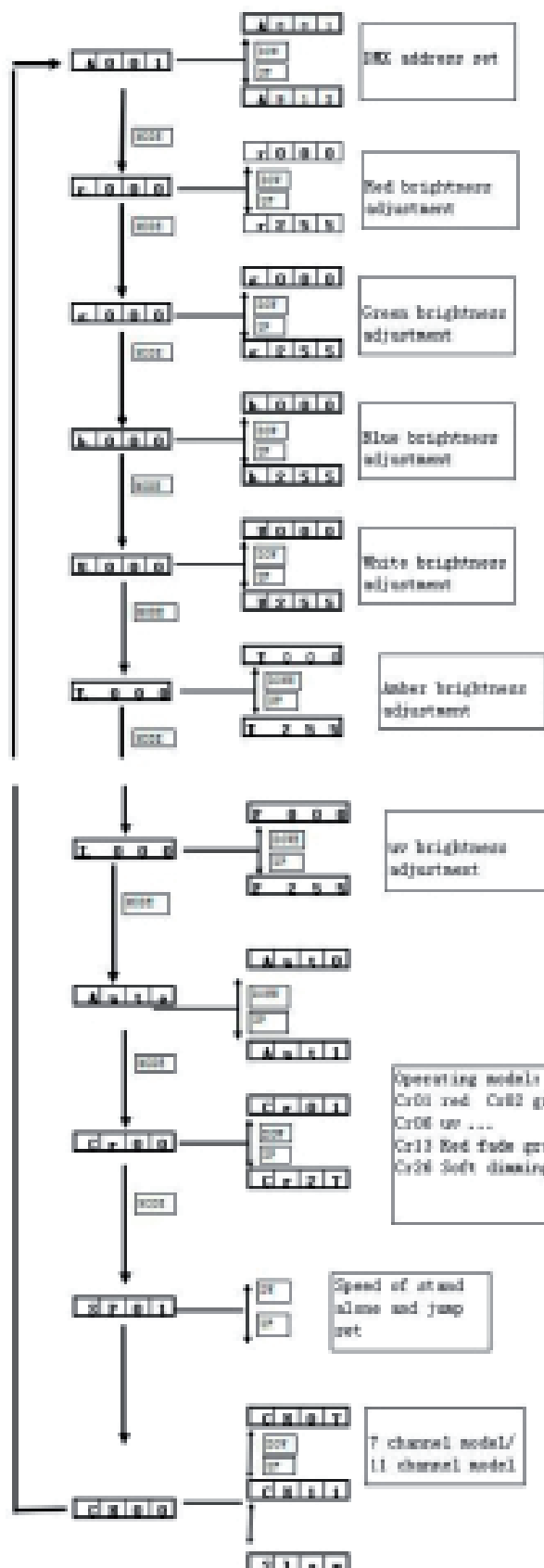
Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder 2 a 120 resistor between Signal (–) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

Connection with the mains

Connect the device to the mains with the enclosed power supply cable

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Control menu map



Every time you correct your data, you must press "Enter" button, then you will see the signal of "—". It means you have successfully saved the data.

Operating models
Cr00 red Cr02 green Cr03 blue Cr04 white Cr05 silver
Cr06 un ...
Cr12 Red fade gradually eliminate other ...
Cr04 Soft dimming changes Cr07 Color transmission

Speed of stand
alone and jump
jet

7 channel model/
11 channel model

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Operation

Projector DMX starting address selection

The LED DISPLAY on the rear side of the base allows you to assign the DMX fixture address, which is defined as the first channel from which the item will respond to the controller. If you set, for example, the address to channel 7, the item will use the channel 7 to 15 for control.

All fixtures should be given a DMX starting address when using a DMX signal, so that the correct fixture responds to the correct control signals. This digital starting address is the channel number from which the fixture starts to listen to the digital control information sent out from the DMX controller. The allocation of this starting address is achieved by setting the correct number on the display located on the base of the device.

You can set the same starting address for all fixtures or a group of fixtures, or make different address for each fixture individually.

If you set the same address, all the units will start to listen to the same control signal from the same channel number. In other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set a different address, each unit will start to listen to the channel number you have set, based on the quantity of control channels of the unit. That means changing the settings of one channel will affect only the selected fixture.

In the case of the fixture, which is 9 channels fixture when you select the standard channel mode, you should set the starting address of the first unit to 1, the second unit to 17(16+1), the third unit to 33(16+17), and so on.

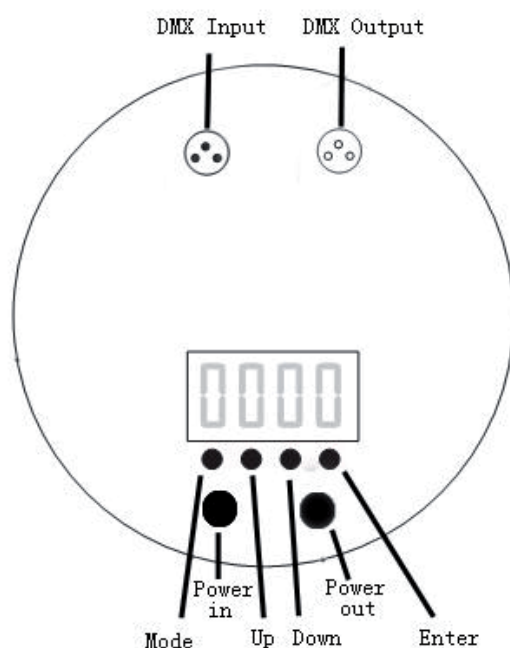
Control Board

The Control Board offers several features: you can simply set the starting address, switch on and off the lamp, run the pre-programmed program or make a reset.

The main menu is accessed by pressing the Mode-button until the display starts flashing. Browse through the menu by pressing the Up-button or Down-button. Press the Enter-button in order to select the desired menu. You can change the selection by pressing the Up-button or Down-button.

Confirm every selection by pressing the Enter-button. You can leave every mode by pressing the Mode-button. The functions provided are described in the following sections.

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DMX Controlling:

After having addressed all items, you may now start operating these via your lighting controller. After switching on, the item will automatically detect whether DMX 512 data is received or not.

Channel modes: DMX Table

11 Channel mode	Function	Function Control
CH1	Dimmer	0: shut 1-255: dimming
CH2	Strobe	0-19: strobe shut; 20-255: strobe speed from slow to fast
CH3	Red	0: shut 1-255: dimming
CH4	Green	0: shut 1-255: dimming
CH5	Blue	0: shut 1-255: dimming
CH6	White	0: shut 1-255: dimming
CH7	Amber	0: shut 1-255: dimming
CH8	UV	0: shut 1-255: dimming
CH9	CT	0-10: OFF 11-255: 3000K-8000K
CH10	Color mixing	0-9: OFF 10-255: The color wheel (Rainbow effect)
CH11	Color Macro	0-5: OFF 6-7: Orange 8-13: UV 129-255: Color Macro

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CH3	Green	0: shut 1-255: dimming
CH4	Blue	0: shut 1-255: dimming
CH5	White	0: shut 1-255: dimming
CH6	Amber	0: shut 1-255: dimming
CH7	UV	0: shut 1-255: dimming

6 channel mode , the dimmer default number is 255, no strobe , no macro-function

Set DMX address

Display the DMX 512 value of each channel. With this function you can display the DMX 512 value of each channel. The display automatically shows the channel with a value changing.

Auto Program

With this function, you can run the internal program. You can select the desired program under. You can set the number of steps under . You can edit the individual scenes under . With this function, you can run the individual scenes either automatically, i.e. with 7 the adjusted Step-Time.

Synchronization & master /slave mode

Take some items and connect them by DMX cables, disconnect the items from DMX controller, the items will work synchronously, one as master, the others as slave.

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Specifications

Physical	Length: 25cm Width: 22cm Height: 35cm Weight: 4.5kg
Dynamic effects Color mixing	RGBWAUV Electronic dimming: 0-100% linear dimming Strobe and pulse effects 0-25 times/second ,flicker free Electronic „shutter“ effect: instant open and blackout
Control and Programming	Control options: DMX, stand alone DMX channels: 7/11CH White balance control: RGBAUUV adjustment DMX address setting: control panel with LCD display Protocol: DMX 512
Optics	Light source: 24 *12W 6 in 1 RGBWAUV led lamps Minimum LED lifetime: 50 000 hours
Construction	Housing: High-impact ,flame-retardant , excellent Color: black Protection rating: IP20
Installation	Mounting: Adjustment bracket, surface or truss mount Orientation: Any Location: Outdoor/indoor use
Connections	AC power in/thru: Neutrik Powercon DMX data in/thru: 3-pin XLR
Electrical	AC power in/thru: 100v-240v nomial, 50/60 Hz Rated power: 320w
Thermal	Cooling: Forced air (temperature-regulated, low noise) Maximum ambient temperature (Ta max): 40 centigrade (104 F) Minimum ambient temperature (Ta min): 0 centigrade (32 F)
Included items	Power cable 1.5m (4.9 ft) Mounting bracket
Remark:	All information is subject to change without prior notice.



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