User Guide
RGB LED Wall Washers

NOTE

The purpose of this user guide is to explain the necessary steps for use of X30T RGB LED Wall Washer, and to assure peak performance of product. It is intended for use as reference by a fully qualified electrician or technician. This document should never be considered a substitute for any provision of a regulation or state or local code.

Please read this manual to fully understand and safely use this product. Specifications are subject to change without notice.

GETTING STARTED

This guide contains important information about installing and operating X30T RGB LED Wall Washer

Included in this Box
X30T RGB LED Wall Washer, 1 Pcs
User Guide, 1 Set

Additional Items Needed
Control System: RGB DMX Controller
Signal Amplifier: Master Signal Amplifier

Unpacking
• Unpack and carefully examine the product.
• Report any damage and save all packing materials if any part of the apparatus was damaged during shipping
• Do not attempt to use this apparatus if it is damaged.

Cautions
• *Warning* : Risk of electric shock! Ensure that the power supply is off when wiring or soldering the device during installation
• The device should be installed and operated by a qualified electrician or technician in accordance with relevant local codes.
• Do not use sharp tools near or on the surface of the device
• Suggested continuous working time is around 8 hours. Never use for more than 12 consecutive hours.

User Responsibilities
The responsibility of complying with all state and local laws, ordinances, and regulations in regards to the installation, maintenance, and operation of the device lies with the buyer and handler of the device.
These parties may include, but are not limited to the contractor, installer, purchaser, owner, and user of the product

Note: The instructions and precautions set forth in this user guide are not necessarily inclusive of or relevant to all applications as LED World Inc. cannot anticipate all possible situations.

PLANNING THE INSTALLATION

This device installation requires planning to ensure timely installation with minimal complications and down time.

Planning Suggestions

Consult an electrical inspector when reviewing all wiring plans.
Create a layout plan blueprint, per a lighting designer's or architect's recommendations.
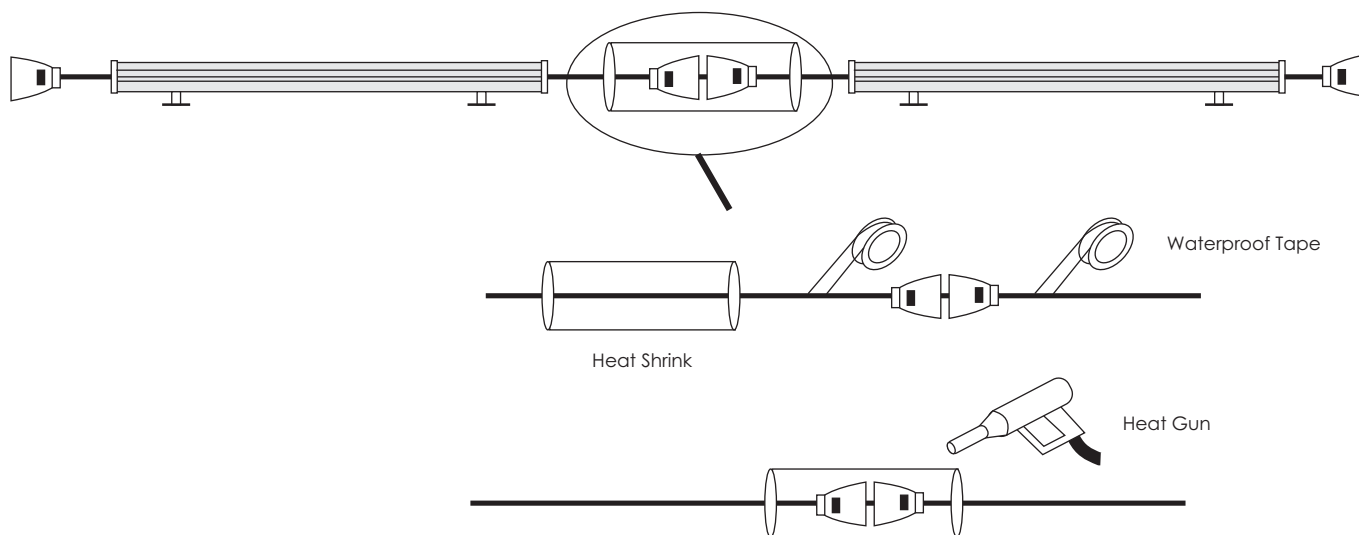
Installation Considerations

When creating your installation plan, consider the following:

- **Location of the device** : X30T RGB LED Wall Washer is suitable for only dry, wet and damp environments.
- **Control System** : X30T RGB LED Wall Washer can be controlled by our RGB DMX Controller (LT-840). Synchronous color changing might be considered before installing
- **Lighting Distance :** The maximum lighting distance for X30T RGB LED Wall Washer is around 15 meters (49 feet)
- **Maximum Series-wound Length :** 100 meters (328 feet). Master Signal Amplifier is needed at every 100 meters (328 feet).

Installation Steps

- Place X30T RGB LED Wall Washer at the required locations and aim them according to your lighting design
- Adjust the rotary angle to required angle
- Connect X30T RGB LED Wall Washer to each other. Signal Amplifiers are needed every 100 meters or 328 feet
- Finish waterproof treatment at every signal connector joint. (Please refer to picture below).

Waterproof Tape

Heat Shrink

Heat Gun

- Connect the DMX Console to the first X30T RGB LED Wall Washer
- Plug the first X30T RGB LED Wall Washer and DMX console into power outlets to power the system.

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RGB LED Wall Washer

Planning Suggestions
Consult an electrical inspector when reviewing all wiring plans.
Create a layout plan blueprint, per a lighting designer's or architect's recommendations.

Installation Considerations
- *Button Functions*

Button	Control Mode	Function	Example
8 8 8	DMX-Control	Displays the DMX address selected (valid DMX addresses from 001~512)	2 5 6
	Self-Control	Displays the color-changing mode and speed selected (P=self-control, X=mode, Y=speed)	P X Y
A	DMX-Control	Select a parameter for configuration	
	Self-Control	Select mode or speed for configuration	
B	DMX-Control	Set corresponding parameter	
	Self-Control	Set corresponding mode/speed	

- *How to change settings in DMX-Control mode*
  - Once the wall washer is connected to the DMX console, it will access DMX-Control mode.
  - Press button "A" to select a parameter for the DMX address.
  - Press button "B" to change the DMX address.
  - Valid DMX address range: 001~512. (Refer to the user guide of the DMX Console for more detailed
  - information on operating the DMX Console.)
  - Each wall washer occupies three DMX channels, including red, green, and blue. For example, the wall washer at DMX address 001 occupies channels 1, 2, and 3; the wall washer at DMX address 256 occupies channels 256, 257, and 258.X30T RGB LED Wall Washer can be controlled by our RGB DMX Controller (LT-840). Synchronous color changing might be considered before installing
- *How to access and set under Self-Control mode*
  - Press button "A" four times. This will access Self-Control mode and the letters "PXY" will be displayed.
  - Press button "A" once. The digital LED should start to flash and you will be given access to the corresponding setup (mode).
  - Press button "B" to change the corresponding setup (speed or brightness). The digital LED should display values 1 through 9.
  - Master/Slave Mode:
    - ☐ Choose one wall washer as the master and set its DMX address to 001
    - ☐ Choose other wall washers as slaves and assign them any DMX addresses except 001.
    - ☐ Press button "A" of the master wall washer four times to access Self-Control mode.
    - ☐ Change the mode of the master wall washer. All slave wall washers will work synchronously with the master.

P	X (mode)	Y (speed/brightness)
	1 (Static Red)	9 brightness levels, (brightest at 9)
	2 (Static Green)	9 brightness levels, (brightest at 9)
	3 (Static Yellow)	9 brightness levels, (brightest at 9)
	4 (Static Blue)	9 brightness levels, (brightest at 9)
	5 (Static Pink)	9 brightness levels, (brightest at 9)
	6 (Static Cyan)	9 brightness levels, (brightest at 9)
	7 (Static White)	9 brightness levels, (brightest at 9)
	8 (Multi-Color jumping)	9 speed levels, (fastest at 9)
	9 (Multi-Color fading)	9 speed levels, (fastest at 9)
	A (Multi-Color flashing)	9 speed levels, (fastest at 9)

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- *How to exit the selected mode?*

Press a button of your choosing and wait for around 10 seconds for the device to exit from selected mode. The digital LED will stop flashing and the wall washer will retain the currently the selected mode and parameter.

Wiring Diagram

DMX Controller (HUEDA™)

Power Input

DMX Data Output

Class 2 Low Voltage Driver

L
N
G
V+
V-

AC Power 50/60Hz

DMX In

DMX Out

RGB Wall Washer

AC Power 120V 60Hz

DMX In

DMX Out

AC Power 120V 60Hz

DMX In

DMX Out

RGB Wall Washer

AC Power 120V 60Hz

DMX In

DMX Out

AC Power 120V 60Hz

Max 100m (328ft) in series connection

DMX In

DMX Out

RGB Wall Washer

AC Power 120V 60Hz

DMX In

DMX Out

AC Power 120V 60Hz

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