



# ATG Electronics® Smart™ X18LT RGB LED Wall Washer

## USER GUIDE

**Part Number**    HWW-X018T-058070-H1  
                          HWW-X018T-058070-H2



### NOTE:

The purpose of this user guide is to explain the necessary steps for use of Smart™ X18LT, and to assure peak performance of said 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 and/or local code.

Please read this entire manual to fully understand and safely use this product.

Specifications are subject to change without notice. Please visit [www.atgelectronics.com](http://www.atgelectronics.com) for the most recent user guide versions.

## GETTING STARTED

This guide contains important information about installing and operating your new Smart™ X18LT safely and accurately.

### Included in this Box

Smart™ X18LT RGB LED Wall Washer, 1PCs  
User Guide, 1Set

### Additional Items Needed

Control System: DynColor™ 500-SL RGB DMX Controller  
Signal Amplifier: Master™ 192-SA Signal Amplifier

### Unpacking

- 1) Unpack and carefully examine the product.
- 2) Report any damage and save all packing materials if any part is damaged during transport.
- 3) Do not attempt to use this apparatus if it is damaged.

### Cautions

- 1) Risk of electric shock. Ensure that the power supply is off when wiring or soldering the sections of the device.
- 2) The device should be installed and operated by a qualified electrician or technician in accordance with relevant local codes.
- 3) Do not use sharp tools near or on the surface of the device.
- 4) Suggested continuous working time is around 8 hours. Never use for more than 12 consecutive hours.

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Color your life!

### **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 ATG Electronics 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 to review all wiring plans.

Create a Layout Plan drawing, per a Lighting Designer's or Architect's recommendation.

Consult ATG Electronics Application Engineering Services as needed.

### **Installation Considerations**

When creating your installation plan, consider the following:

1) Location of the device

Smart™ X18LT is suitable for only dry, wet and damp environment.

2) Control System

Smart™ X18LT can be controlled by DynColor™ 500-SL RGB DMX Controller. Synchronous color changing might be considered before installing.

3) Lighting Distance

The maximum lighting distance for Smart™ X18LT is around 10 meter (32.8 feet).

4) Maximum Series-wound Length

100 meter (328 feet). Master™ 192-SA Signal Amplifier is needed between every 100 meter (328 feet) distance.

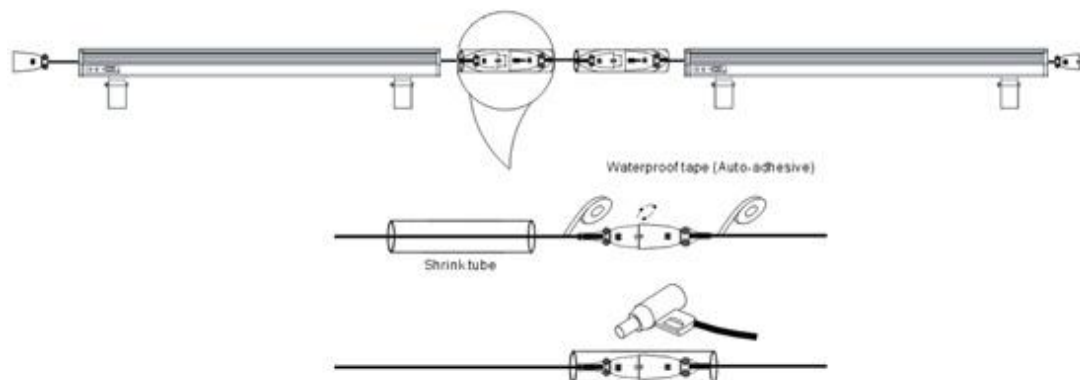
### **Installation Steps**

1) Place Smart™ X18LT at planned location and direct it to architecture surface.

2) Adjust the rotary angle to requested angle.

3) Connect Smart™ X18LT to each other; Signal Amplifiers are needed to connect between every 100 meters or 328 feet.

4) Complete waterproof treatment at every joint of signal connectors. (Please refer to picture below)








5) Connect the DMX Console to the first Smart™ X18LT.

6) Plug the first Smart™ X18LT and DMX console into power outlet to light up the whole system.

**Operation Instruction**

1) Function of Buttons

Button	Control Mode	Function	Example
	DMX-Control	Display the DMX address selected (valid DMX address from 001~512)	
	Self-Control	Display the color changing mode and speed selected (P=self-control, X=mode, Y=speed)	
	DMX-Control	Select a parameter to set	-
	Self-Control	Select mode/speed to set	-
	DMX-Control	Set corresponding parameter	-
	Self-Control	Set corresponding mode/speed	-

2) How to access and set under DMX-Control mode

- A. Once the wall washer is connected to DMX console, it will access DMX-Control mode.
- B. Press button "A" to select a parameter to set the DMX address.
- C. Press button "B" to set the DMX address.
- D. Valid DMX address range: 001~512. (You need refer to the user guide of the DMX Console for more operation information.)
- E. Each wall washer occupies three DMX channels including red, green and blue. For example, the wall washer at DMX address 001 occupies the channel 1, 2 and 3; the wall washer at DMX address 256 occupies the channel 256, 257 and 258.

3) How to access and set under Self-Control mode

- A. Press button "A" four times, it will access Self-Control mode and shows "PXY".
- B. Press button "A" once, certain digital LED starts to flash and access corresponding setup (mode).
- C. Press button "B" to set the corresponding setup (speed or brightness). The digital LED increase one bit once (values 1~9)

D. Master/Slave Mode:

- ① choose one wall washer as the master and set the DMX address as 001
- ② choose other wall washers as slaves and set the DMX addresses as any address except 001
- ③ press button "A" of the master wall washer four times, access Self-Control mode
- ④ change the mode of the master wall washer, and then all slave wall washers will work synchronously

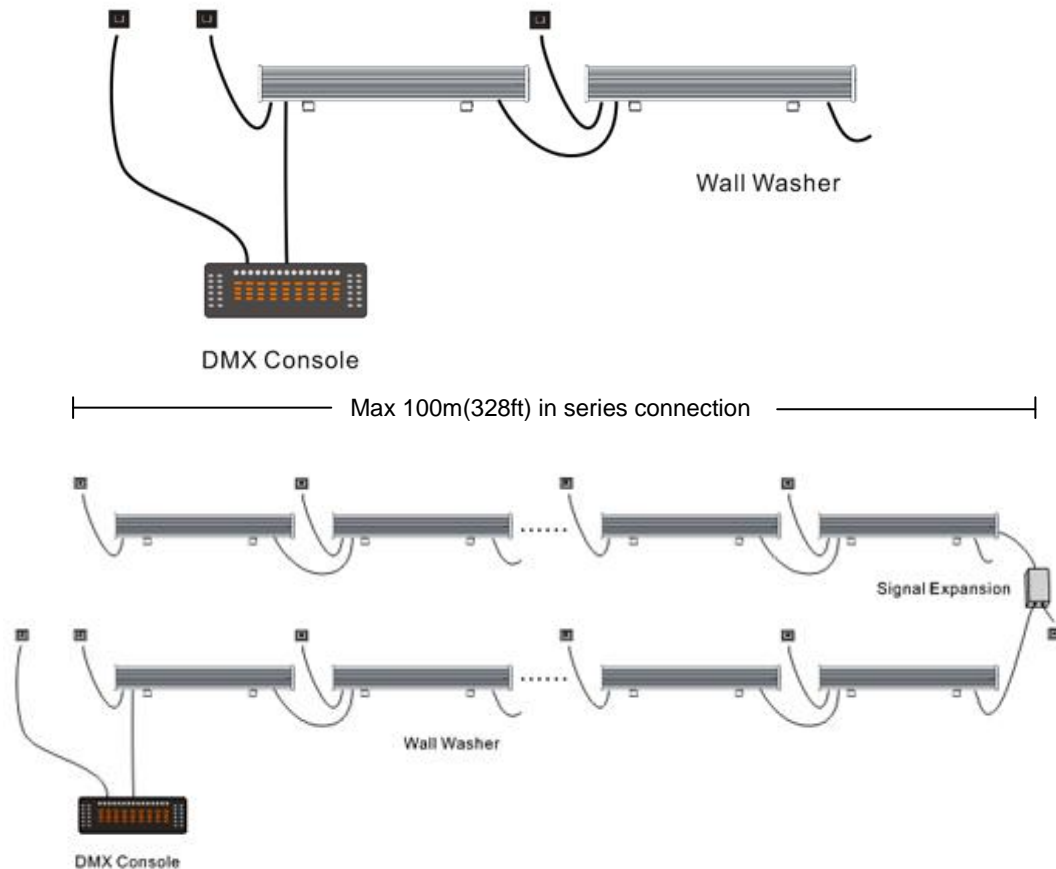
E. Parameter form of "PXY"

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

4) How to exit from selected mode?

After pressing certain button, please wait for around 10 seconds, it will exit from selected mode. The digital LED stops flashing and the wall washer will memorize the selected mode and parameter.

Wiring Diagram



### ATG Electronics® Smart™ X18LT RGB LED Wall Washer Specifications

Input Voltage: 120VAC/240VAC

Color: RGB

LED Qty: 18 LEDs

Lumens (single LED): 44 lm (Red), 70 lm (Green), 15 lm (Blue)

Power Consumption: 28W (Max.)

Beam Angle: 15°

Dimension: L580\*W130\*H82mm (L22.83\*W5.12\*H3.23 inch)

IP Rating: IP65 (applicable for dry, wet, damp environment)

\* Detailed specifications please refer to the product catalog of Smart™ X18LT RGB LED Wall Washer.

### LED SOURCE LIFE

Traditionally, the definition of life for light sources is defined at the point which 50% of the lamps fail under specified conditions. However, all necessary components in a LED lighting system will determine useful life time. According to the industry standard, ATG Electronics uses the concept of useful light output and rates product life time at standard of "less than 50% lumen maintenance of original light output".

LED exhibits very long operational life time, typically 50,000 hours or more. However, like all light source, LED light output can degrade and also undergo gradual shifts in color over time.

LED chips, performed lighting effects and working environmental conditions, such as temperature, humidity, and ventilation will affect LED lumen maintenance. The overall LED Lighting System life time could vary substantially based on usage and environmental condition.

ATG Electronics always adopts brand chips and high quality materials and components to make LED Lighting Systems.

### QUALITY WARRANTY

This product is sold pursuant to ATG Electronics Standard Terms and Conditions which can be found at [www.atgelectronics.com/warranty](http://www.atgelectronics.com/warranty) and which contain important provisions, including, among others, the Quality Warranty, exclusions and limitations on ATG Electronics liability for damages, and restrictions on available remedial actions.

For any after-sales assistance, please contact our Customer Service Team at [service@atgelectronics.com](mailto:service@atgelectronics.com). All your concerns and requests will be handled within 12 hours.

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