



# ATG Electronics® Master™ 192-SA Signal Amplifiers

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## USER GUIDE

**Part Number** HCD-00192-000000-SA



### NOTE:

This user guide is to explain the steps necessary to use the specified and assure peak performance. Its intended use is for reference only, 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 most recent user guide versions.

### GETTING STARTED

ATG Electronics® Master™ 192-SA Signal Amplifier is a simple and affordable solution for synchronizing multiple RGB LED Lighting Fixtures, especially Smart™ Series RGB LED Wall Washers, simultaneously.

Master™ 192-SA works at 120VAC or 240VAC, and has XLR-3 male and female I/O signal cables; which enables the user a plug-n-play system. With microcomputer control technology, the Signal Amplifier meets DMX512 protocols, and repeats signal to control unlimited number of fixtures. With real-time color and effect changes, switch settings take effect immediately without having to re-power the lighting fixtures.

This guide contains important information about installing and operating your new Master™ 192-SA safely and accurately.

### Included in this Box

Master™ 192-SA Signal Amplifier, 1 PCs

User Guide, 1 Set

### 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.

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### **Warnings**

- 1) Risk of electric shock. Ensure that the power supply is off when wiring or soldering the sections of the device.
- 2) The device shall be installed and operated by a qualified electrician or technician in accordance relevant local codes.

### **Precautions**

- 1) Please avoid installing the device in lightning, intense magnetic and high-voltage fields.
- 2) The device should be installed indoors. Otherwise, please arrange rain shielding.
- 3) Make sure the wires are connected correctly and avoid short cut and burnt out the fuse.

### **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 all-inclusive, all conceivable, or relevant to all applications as ATG Electronics cannot anticipate all conceivable or unique situations.

## **PLANNING THE INSTALLATION**

This device installation requires planning to ensure timely, successful 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**

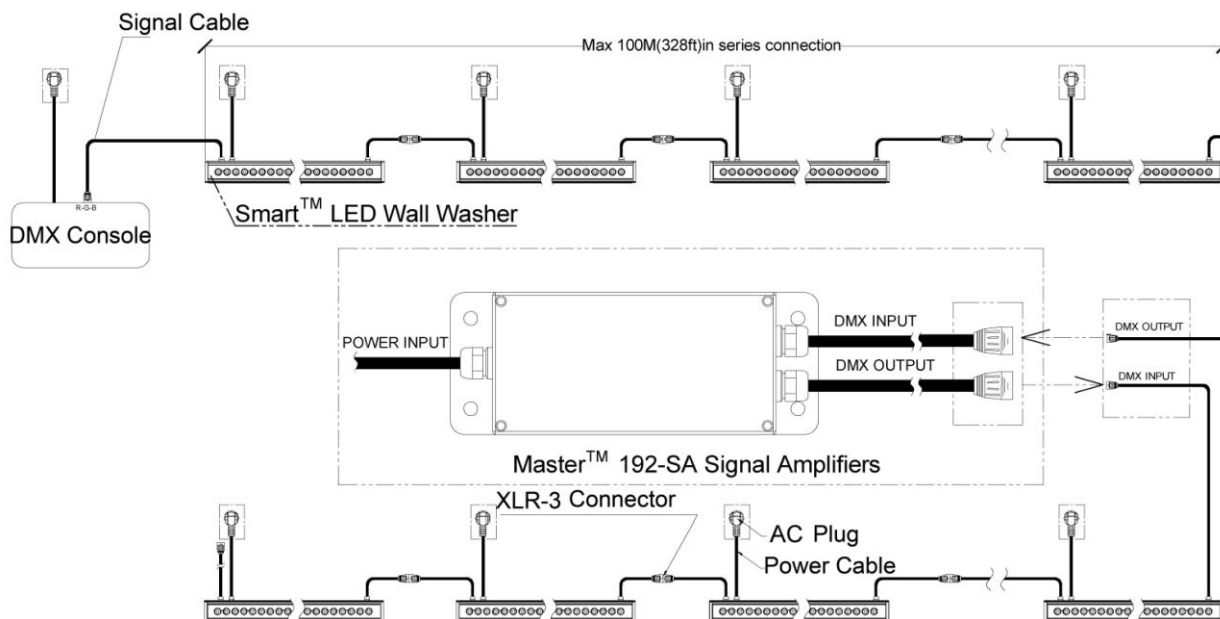
When creating your installation plan, consider the following:

- 1) Location of the signal amplifier  
ATG Electronics recommends that the signal amplifier is placed in dry environment.
- 2) Selection of soldering tools  
Ensure that the tool selected is appropriate for the soldering surface.

### **Installation Steps**

- 1) Make sure power is switched off before wiring or installation.
- 2) Connect RGB LED Wall Washers via XLR-3 signal cables to the signal amplifier;
- 3) Power up the signal amplifier by plugging it into the outlet.

### Wiring Diagram



### Technical Specifications

Dimension: L200\*W89\*H61 mm (L7.87\*W3.5\*H2.4 inch)

Weight: 1500 g

Input Voltage: 120VAC or 240VAC

Power Consumption: 2W

Operation Temperature: -10°C~50°C (14°F~122°F)

Working Environment: IP65 (applicable for dry, wet, damp environment)

### 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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