



ATG Electronics® QColor™ Remote Dimmers

USER GUIDE

Part Number HCD-00001-000000-RD



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 for most recent user guide versions.

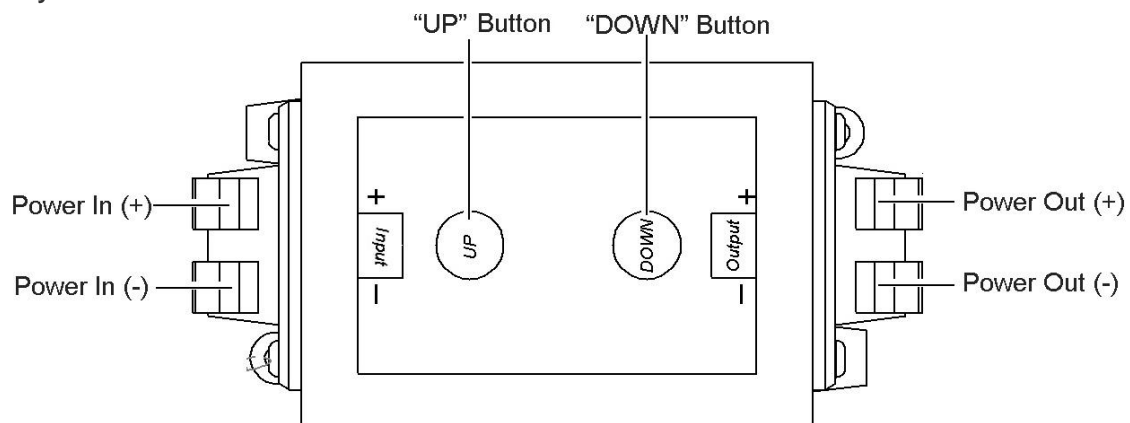
GETTING STARTED

QColor™ Remote Dimmer is an enhanced hardware dimmer to adjust low-voltage solid color LED lighting fixtures. It can help save up to half of your energy expenses, increase the service life of your LED lighting fixtures, and enhance your LED lighting fixtures with more charming mood and ambiance.

QColor™ Remote Dimmer provides two control methods, remote control and manual control. The remote provides 9 levels adjusting from off to on 10 meters (max) away without blocking.

This guide contains important information about installing and operating your new QColor™ Remote Dimmer safely and accurately.

Physical Dimensions



Included in this Box

QColor™ Remote Dimmer, 1 PCs

User Guide, 1 Set

ATG
Electronics Corp.

Light your world
Color your life!

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.

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 with relevant local codes.
- 3) Please avoid installing the device in lightning, intense magnetic and high-voltage fields.
- 4) The device should be installed indoors. Otherwise, please arrange rain shielding.
- 5) Make sure the wires are connected correctly and avoid short circuit.

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

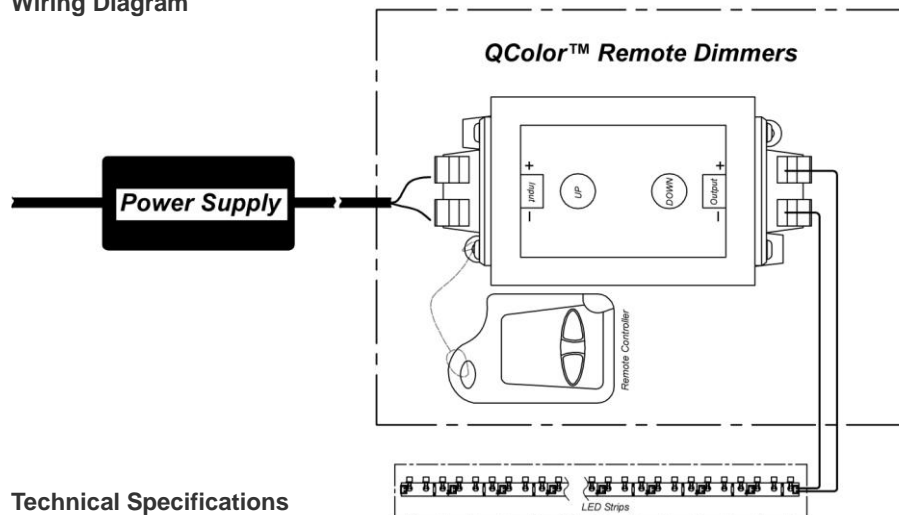
Installation Steps

- 1) Make sure power is switched off before attempting to wire or install.
- 2) Connect the LED lighting fixtures (12VDC-24VDC, e.g. iSignage™ S24 LED Flex Strip) via power

cable onto the output port on the dimmer.

- 3) Connect power supply to the input port of the dimmer; make sure the positive wire is connected to "DC+" port and negative wire to "DC-" port.
- 4) Plug power supply into power outlet to switch on the dimmer.
- 5) Choose the desired dimming degree by pressing button "UP" or "Down" on the dimmer. Also can be controlled by the remote within maximum 10 direct meters without any blocking.

Wiring Diagram



Technical Specifications

1) Physical Specifications

Dimension: L125*W53*H34 mm (L4.92*W2.07*H1.34 inch)

Weight: 260 g

Working Environment: dry environment

Buttons: UP and Down

2) Electrical Specifications

Input Voltage: 12~24VDC

Output Load Current: 5A per line, 1 line

Output Power: 60W (12VDC), 120W (24VDC)

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

QUALITY WARRANTY

This product is sold pursuant to ATG Electronics Standard Terms and Conditions which can be found at 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. All your concerns and requests will be handled within 12 hours.

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