



ATG Electronics® iSignage™ 36T RGB LED Flex Strips

USER GUIDE

Part Number HFS-S036T-036400-L1



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

ATG Electronics® iSignage™ 36T RGB LED Flex Strip is a RGB flexible, cuttable and slim device designed especially for signage lighting and replace conventional neon signs.

iSignage™ 36T adopts high intensity LEDs to operate at 12VDC (safe to humans). It can be joined together via 4-pin power cable, and cut at every 3LEDs to fit different spaces. The slim profile, wide beam angle and small color mixing distance (10cm~15cm or 4"~6") direct the light distribution to the surface of the channel letters, and produce even color.

iSignage™ 36T can work with related RGB controllers (DynColor™ 300-FS, QColor™ 310-FS and QColor™ 020-FS) and produce vivid color changing effects. Power Supplies are available in normal and waterproof versions for indoor and outdoor signs. One meter (3.3 feet) 4-pin power cable can be provided for cases there is big space between power supply and channel letters.

iSignage™ 36T can be easily installed onto channel letter bottom with mounting clips.

iSignage™ 36T has been successfully installed to light up thousands of channel letters worldwide; besides it can also be used for cove lighting.

This guide contains important information about installing and operating your new iSignage™ 36T RGB LED Flex Strip safely and accurately.

Included in this Box

iSignage™ 36T RGB LED Flex Strip, 20 PCs

User Guide, 1 Set

Signal Connector(s)

Mounting Clip(s)

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Light your world
Color your life!

Additional Items Needed

Power Supply: 12 VDC QDriver™/XDriver™ LED Power Supply

Control System: DynColor™ 300-FS RGB DMX Controller(Part Number: HCD-00300-000000-FS)

or QColor™ 310-FS RGB Mini Controller(Part Number: HCD-00310-000000-FS)

or QColor™ 020-FS RGB Remote Controller(Part Number: HCD-00020-000000-FS)

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 by a qualified electrician or technician in accordance relevant local codes.

Cautions

- 1) Suggested continuous working time is around 8 hours, never more than 12 hours.
- 2) Do not use sharp tools near or on the surface of the device.

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

The 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 iSignage™ 36T

iSignage™ 36T is non-waterproof which is ONLY suitable for indoor applications.

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 degrades 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 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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