Eechawk LED Strip Light User Manual

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Eechawk

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INTRODUCTION

Drift cars, model trucks, crawler vehicles, and fixed-wing aircraft are just a few of the many uses for the reasonably priced and adaptable Eechawk LED Strip Light. This IR-controlled LED strip light, which costs only $6.99, is an affordable method to improve the appearance and performance of your car or model. Reputable manufacturer Elechawk introduced it on December 5, 2019, and its waterproof protection ensures longevity even in inclement weather. This LED strip, which has a voltage rating of 4-6V, is perfect for enhancing your project's visibility or style because it produces vivid, colorful illumination. It is lightweight and simple to install in a variety of aircraft models, weighing only 13 grams. The Eechawk LED Strip Light provides the brightness you require at a cost-effective price, whether you're adding extra lighting to a project or personalizing your car.

SPECIFICATIONS

Brand	elechawk
Price	$6.99
Recommended Uses For Product	Fixed-wing aircraft, Drift Cars, Model Trucks, Crawler Cars
Connectivity Technology	IR
Rating Voltage	4-6V
Item Weight	13 Grams
Water Resistance Level	Waterproof
Product Dimensions	5.91 x 3.94 x 0.47 inches
Weight	0.46 ounces
Manufacturer Recommended Age	10 years and up
Date First Available	December 5, 2019
Manufacturer	elechawk

WHAT'S IN THE BOX

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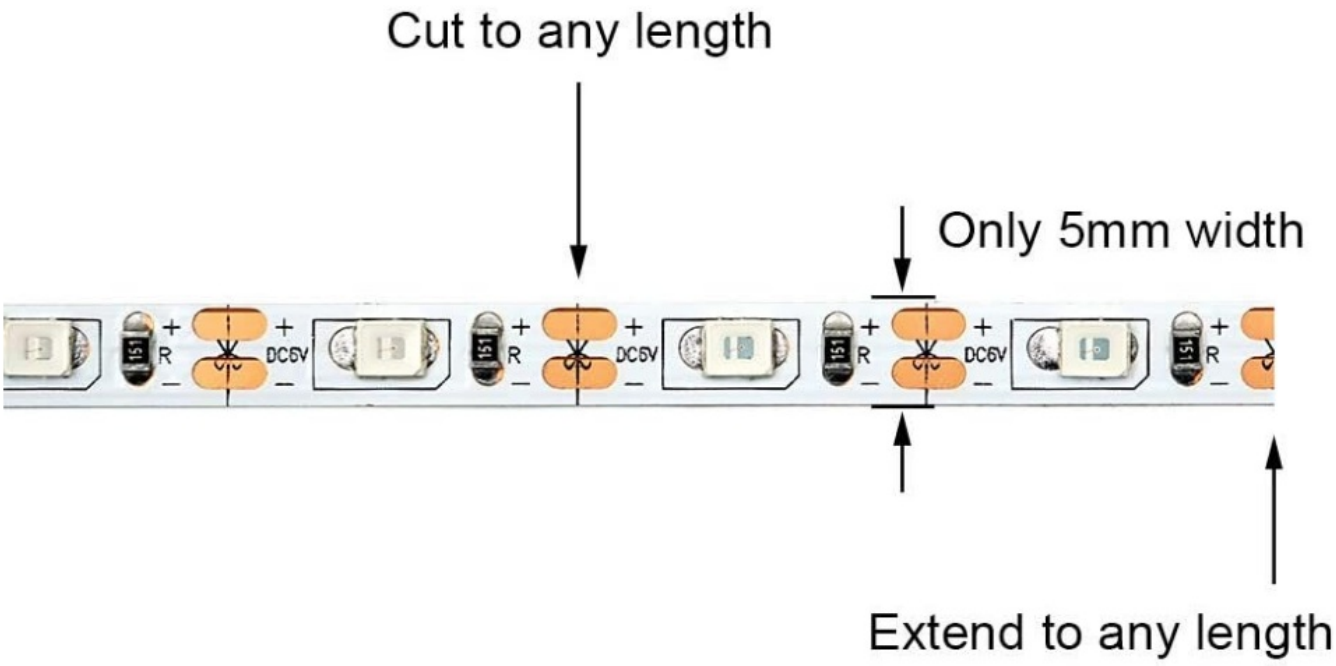
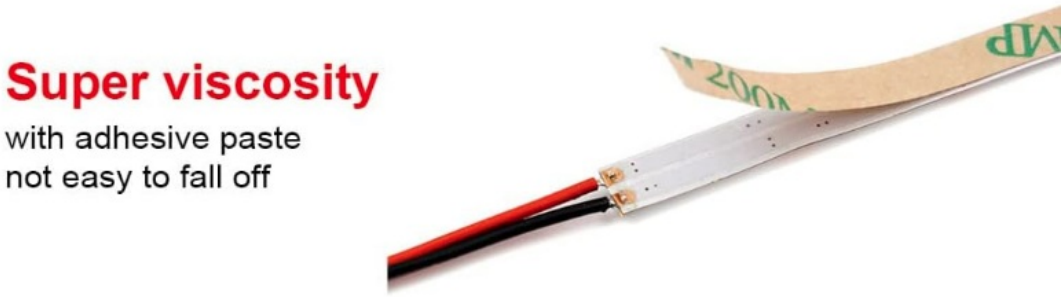
FEATURES

- **Super Bright LED Lights**: The LED strips are perfect for a variety of models, including RC airplanes, cars, and trucks, because they are made with high-brightness LEDs that provide plenty of illumination.
- **Compact and light**: These LED strips are easy to install and weigh only 13 grams, so they won't significantly increase the weight of your model.
- **Versatile Application**: These LED strips can be used with a wide range of RC models, such as crawler cars, model trucks, drift cars, and fixed-wing aircraft (such as the AR Wing and Skyhunter).
- **Flexibility in Length**: The 0.5-meter length is ideal for a variety of fixed-wing aircraft, providing versatility and simplicity of installation for models of varying sizes.

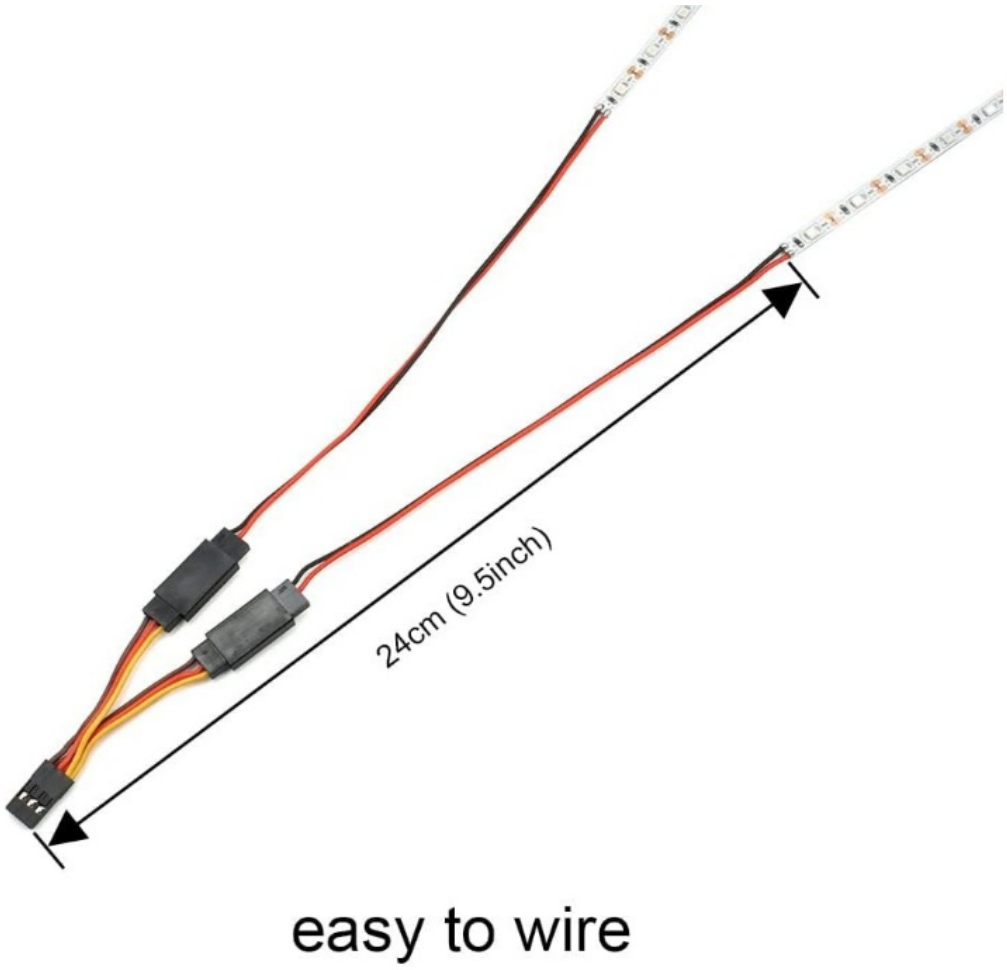


- **Waterproof Design**: The LED strips can be used outdoors in a variety of weather circumstances, including damp or rainy ones because they are waterproof.



- **Voltage Rating**: Because the strips run on a voltage range of 4-6V, they can be utilized with a variety of batteries that are frequently found in RC models.
- **Included in the package** is a Y-cable, which makes it simple and convenient to connect to the power supply of your remote-controlled car or airplane.

- **Energy Efficient**: The low power consumption of these LED strips guarantees that the battery of your RC model won't be rapidly depleted.
- **Simple wiring** and connectors are included with the strips, which makes installation easy and hassle-free.



- **Customizable Lighting Effects**: Depending on the application, these LED strips can produce a variety of lighting effects for both practical and aesthetic reasons (e.g., as underbody lights on RC cars).
- **Long-Lasting Durability**: These LED strips are made to resist deterioration from repeated usage and are intended for outdoor and remote control applications.
- **Universal Fit**: These LED strips are incredibly adaptable for a broad spectrum of hobbyists due to their universal compatibility with different fixed-wing aircraft and remote-controlled autos.
- **Suggested Age 10+**: These LED strips are a fantastic complement to the setups of RC enthusiasts and are appropriate for users 10 years of age and above.
- **Small Storage Size**: The strips' 5.91 x 3.94 x 0.47-inch measurements make it simple to store them while not in use.
- **Reasonably priced**: These LED strips are an affordable lighting option for remote-controlled cars and airplanes, coming in at just $6.99.

SETUP GUIDE

- **Open the kit**: Check for two LED strips and one Y-cable when you open the packaging. Make sure everything is in working order.
- **Select the Installation Location**: Choose a location for the LED strips to be mounted on your RC car or

airplane, such as the wings, underbody, or model truck chassis.

- **Clean the Surface**: The area where the LED strips will be affixed should be cleaned before to installation. Better adhesion is guaranteed on a dry, clean surface.
- **Measure and Cut if Needed**: If necessary, measure the LED strip's length against the area you wish to light up and cut it appropriately.
- **Place the LED Strips**: Make sure the LED strips are firmly positioned in the areas you have chosen.
- **Apply Adhesive or Mounting Tape**: For a firm grip, affix the LED strips with mounting tape or double-sided adhesive.
- **Connect the Y-Cable**: Connect the Y-cable connectors to the power source of your RC model as well as the LED strips.
- **Verify Voltage Compatibility**: To avoid damaging the LED strips, make sure your power supply's voltage is between 4 and 6 volts.
- **Test the Lights**: After everything is connected, turn on your remote control model and make sure the LED strips are lighting up correctly.
- **Secure Loose Wires**: To prevent interference with other parts or moving parts, tuck any loose wires away with clips or zip ties.
- **Modify the Strips**: If necessary, modify the LED strips' positioning to guarantee that they are correctly oriented and aligned for optimal impact.
- **Install the Battery**: Make sure the LED strips are receiving power properly by installing the battery in your RC model if you haven't already.
- **Verify Lighting Functions**: Whether for visibility or aesthetic reasons, make sure the lights are shining as intended based on their intended use.
- **Test Durability**: If your RC model is going to be used outdoors, run it outside to see how well the strips hold up against various weather conditions.
- **Final Check**: Before putting your RC model out for a test run, make sure that everything is installed firmly, the wire is tucked away neatly, and the lights are working properly.

CARE & MAINTENANCE

- **Clean the LED Strips**: To keep the LED strips clear of dust and debris, wipe them down on a regular basis with a clean, dry cloth. Steer clear of harsh chemicals that might harm the surface.
- **Check for Loose Connections**: Make sure the connections are secure and free of corrosion or wear by checking them on a regular basis.
- **Examine the Wiring**: To avoid electrical problems, check for frayed or damaged wires and repair them right away.
- **Prevent Overheating**: To avoid the LEDs burning out or malfunctioning, make sure the strips are not near sources of excessive heat.
- **Verify Waterproofing**: To make sure there is no moisture intrusion, periodically check the waterproof seals surrounding the LED strips and connectors.
- **Prevent Physical Damage**: Take care not to strike the LED strips with hard objects as this could cause damage or cause them to come loose from their mounting locations.
- **Store Properly**: To prevent environmental damage, keep the LED strips in a cool, dry location when not in use.
- **Recheck Voltage**: To prevent overloading or harming the LED strips, make sure the power supply of your RC model is still between 4-6V.

- **Test Lights Frequently**: Test the LED strips on a regular basis to make sure they continue to work properly, particularly if they are used outside or under harsh situations.
- **Replace Damaged Strips**: To guarantee optimum performance, replace the defective portion of the LED strip if any part is damaged or the lights stop operating.
- **Verify the mounting adhesive**: Before reattaching the LED strip, take it off and add new double-sided tape or glue if the old one starts to wear out.
- **Prevent Moisture Accumulation**: To avoid damage from extended moisture exposure, ensure sure the LED strips are completely dry after being exposed to water.
- **Use the Right Power source**: To protect the LED strips, don't use a power source that is higher than the rated voltage.
- **Store Extension Wires Neatly**: To avoid tangling or damage, store the Y-cable and any additional extension wires neatly when not in use.
- **Reattach away Parts**: Mounting pads and strips may come away with time. To keep them functioning properly, be sure to inspect and re-secure them on a regular basis.

TROUBLESHOOTING

Issue	Possible Cause	Solution
LED strip not lighting up	Incorrect wiring or power supply	Ensure proper connection and voltage rating (4-6V).
Remote control not worki ng	Out of range or dead batteries	Check battery level and ensure you're within r ange.
Flickering lights	Loose connection or power supply fl uctuation	Check for loose wires or unstable power supp ly.
Light dims after use	Voltage drop or battery issue	Check the battery or power supply for issues.
LED strip doesn't respon d to IR	Obstruction or faulty remote	Ensure line-of-sight between remote and sen sor.
Waterproofing issue	Damaged or worn-out seals	Inspect and ensure the strip's seals are intact.
Remote control not synci ng	Out of sync or multiple devices inter fering	Re-sync the remote by following the manual i nstructions.
Color fading	Extended use or damaged LEDs	Replace the LED strip if color fading occurs.
Lights overheating	Overuse or blocked ventilation	Turn off the lights and allow them to cool dow n.
Lights are too dim	Low voltage or aging battery	Ensure proper voltage or replace the battery if needed.

PROS & CONS

PROS

1. Affordable pricing makes it accessible for most users.
2. Waterproof design ensures longevity in outdoor conditions.
3. The compact size makes it easy to install in a variety of vehicles and models.

4. Energy-efficient LED lighting with low voltage usage (4-6V).
5. Multi-use application for drift cars, trucks, and model aircraft.

CONS

1. IR connectivity may limit the range for some users.
2. Low voltage might not provide very bright illumination in larger vehicles.
3. Not suited for heavy-duty outdoor vehicles with higher power requirements.
4. Limited to one color setting and no RGB options.
5. Installation may require basic technical knowledge.

WARRANTY

The Eechawk LED Strip Light comes with a **1-year warranty**. This warranty covers any defects in material or workmanship under normal use. If the product fails within the warranty period, you can contact elechawk customer support for a replacement or refund. Always keep the proof of purchase for easy claim processing. This ensures your investment in lighting solutions is protected against manufacturing defects, allowing you to enjoy the lights with peace of mind.

FREQUENTLY ASKED QUESTIONS

What is the price of the elechawk LED strip light?

The elechawk LED strip light is available for $6.99, making it an affordable choice for hobbyists and enthusiasts looking for efficient lighting.

What types of vehicles or models is the elechawk LED strip light suitable for?

The elechawk LED strip light is recommended for fixed-wing aircraft, drift cars, model trucks, and crawler cars, adding illumination to enhance the appearance and visibility of these models.

What connectivity technology does the elechawk LED strip light use?

The elechawk LED strip light uses IR (infrared) connectivity technology, allowing for remote control and easy customization of the lighting.

What is the recommended voltage for the elechawk LED strip light?

The elechawk LED strip light operates within a 4-6V voltage range, ensuring compatibility with many low-

voltage systems in model vehicles.

What is the weight of the elechawk LED strip light?

The elechawk LED strip light weighs just 13 grams (0.46 ounces), making it lightweight and easy to install on various vehicles and models.

What are the dimensions of the elechawk LED strip light?

The elechawk LED strip light measures 5.91 x 3.94 x 0.47 inches, making it compact and easy to fit into different vehicle setups.

What is the recommended age for users of the elechawk LED strip light?

The elechawk LED strip light is recommended for users aged 10 years and up, making it suitable for hobbyists and model enthusiasts.

When was the elechawk LED strip light first available?

The elechawk LED strip light was first available on December 5, 2019, and has since been a popular choice for model enthusiasts.

VIDEO – PRODUCT OVERVIEW

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https://manuals.plus/wp-content/uploads/2024/12/Eechawk-LED-Strip-Light-User-Manual.mp4

References

- User Manual