

**HARDKORR**

# USER MANUAL

## 6M FULL COLOUR BOAT LIGHT KIT





**Congratulations on purchasing this high quality Hardkorr product.**

In doing so, you now have the assurance and peace of mind that comes from purchasing a product that has been manufactured to the highest quality standards.

Our aim is for you to be completely satisfied with your purchase, and therefore your new Hardkorr product is backed by a comprehensive 2-year warranty and an outstanding after-sales customer service team.

We hope you will enjoy using this product for many years to come.

If you require technical support, or in the unlikely event your purchase appears to be faulty, please contact our support team for immediate assistance. Contact details for each country are contained within this user guide.

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This full colour boat light kit must be used only for the prescribed purpose. Any uses other than those mentioned in this manual will be considered a case of misuse.

The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

To use the boat light kit properly you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this manual.

**Never allow children to play with electrical equipment**

Children should be supervised at all times whilst operating the full colour boat light kit.

**WARNINGS**

Only use a HARDKORR<sup>®</sup> transformer (purchased separately) with the boat light kit to connect to 110V / 240V power outlets.

Do not connect to a power source greater than 12V, unless using a HARDKORR<sup>®</sup> 110V / 240V transformer.

Do not abuse cords. Never pull on cords, this will result in cords being broken at light fitting and the manufacturer will consider this misuse of product.

Do not look directly into the lights.



**WARNING**



This battery is hazardous and should be kept away from children. The battery can cause severe or fatal injuries in 2 hours or less if it is swallowed or placed inside any part of the body. Immediate medical attention should be sought if it is suspected that the battery has been swallowed or placed inside any part of the body.

**Specifications**

Total length	6 metres
Maximum output	1,350 lumens
Ingress Protection	IP68
Colours	White, red, orange, yellow, green, cyan, blue, purple
Programs	Solid, flash, 3-colour jump, 7-colour jump, 3-colour fade, 7-colour fade
Current draw	2.7A @ 12V / 1.35A @ 24V
LED Lifespan	+50,000 hours
Certifications	CE, RoHS, C-Tick

**Pack Contents**

10x	25cm RGB flexible tape (50cm incl. tails)
1x	RF remote controller
4x	Waterproof end caps
2x	2.5m extension leads
1x	3m 12V cigarette lead
1x	Battery clamp to female cigarette cable
1x	2-way splitter

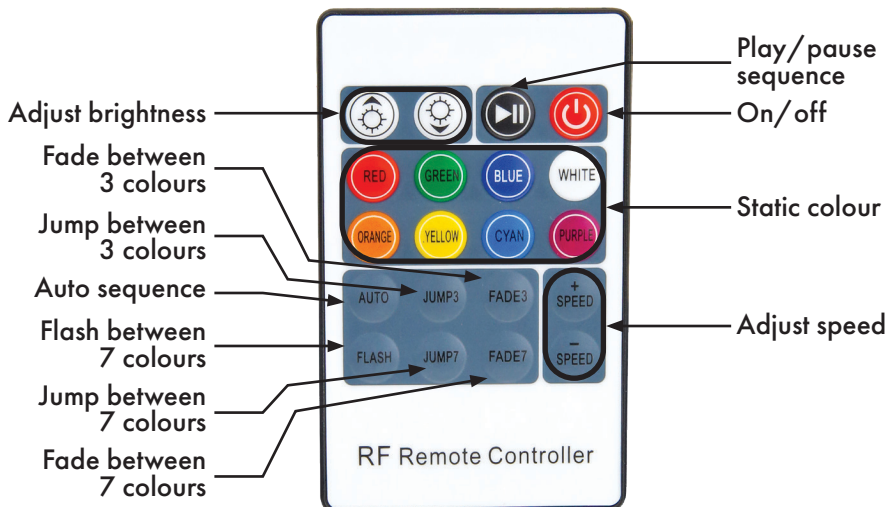
## Assembly

Please note the below assembly is only a guide, the kit is able to be arranged in multiple different setups to suit your needs.

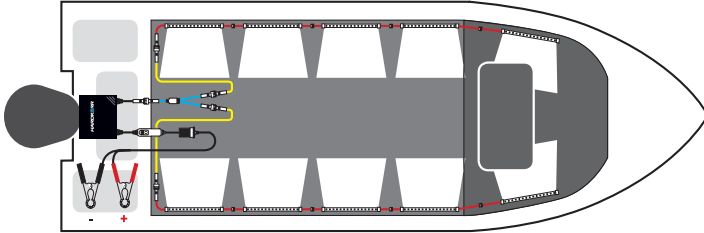
Before installing your LED lighting kit please test and make sure all items are working correctly.

1. Connect the cigarette lead and battery clamps together, or just use the cigarette lead to connect directly to a power outlet.
2. Connect the RF controller box to the end of the cigarette lead.
3. Connect a 2-way splitter from the end of the RF controller box.
4. Attach a 2.5m extension lead to each end of the 2-way splitter.
5. Connect your LED modules to each of the extension leads, and mount where desired with silicon or the 3M tape on the back.
6. Attach the end caps on to the end of the LED module sequence.

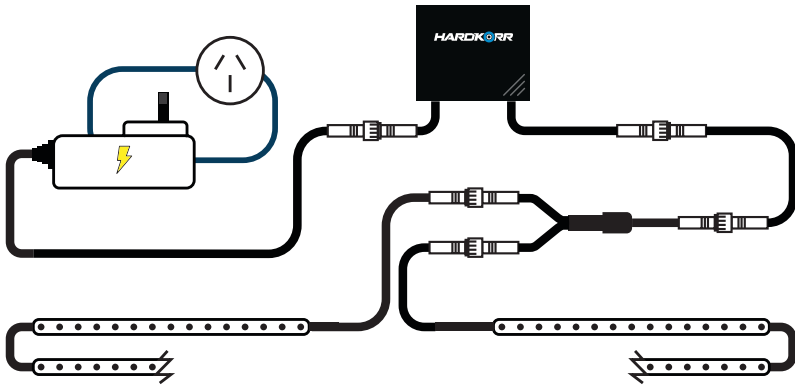
## RF Remote Controller



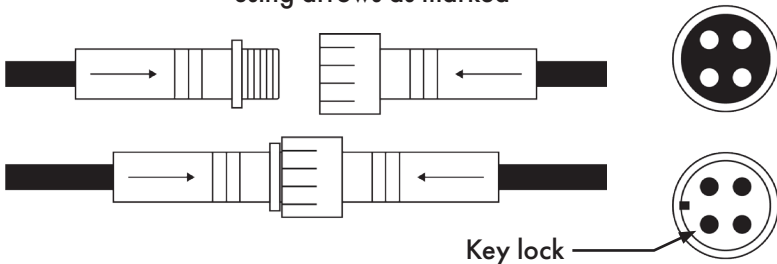
### 12V LED Lighting Kit Typical Wiring Diagram



### 240V LED Lighting Kit Typical Wiring Diagram



**NOTE:** When joining cables - align key lock ends using arrows as marked





## FREQUENTLY ASKED QUESTIONS



**Q. Will my Boat Light Kit run from 110V / 240V power outlet?**

A. Yes, you must first purchase a HARDKORR<sup>®</sup> transformer if you wish to power your kit from 110V / 240V mains power.

**Q. How does my Boat Light Kit go together?**

A. For the first time installation we suggest you start from the battery clamps to 3m cigarette lead, then into the RF controller. From there you can configure the lighting suit the area you want to light up.

**Q. Are my lights waterproof?**

A. Yes all lights and cables are waterproof, however the supplied remote is not.

**Q. What do I do if my lights don't work?**

A. First make sure you have a charged 12V battery to run from. Next, please try connecting a transformer to mains power. If you are still experiencing difficulties after following these steps, please contact our customer service team.

**Q. What do I do if my controllers are not working properly?**

A. First try holding down the minus speed button on your controller for ten seconds to resync the controller with the receiver. If you are still experiencing difficulties, please contact our customer service team.

**Q. Why is there 3M tape on the back of the lights?**

A. This is so you can fix light bars to any surface easily.

**Q. Can I run these lights off a generator?**

A. Yes, you can connect to a generator using a HARDKORR<sup>®</sup> transformer (purchased separately).

**Q. What do I do if some lights work and some don't?**

A. You may have a faulty lead. Please check the light directly from the cigarette lead or a transformer. If all lights are working, please test each cord between the light and power until you find the faulty cord. If you are still experiencing difficulties after following these steps, please contact our customer service team.

**Q. Where do I send back items that may need to be replaced under warranty?**

A. For warranty information and replacements please contact your place of purchase.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



Hardkorr warrants that this product will be free from defects in material and workmanship for two years. The warranty commences on the date of purchase by the original purchaser, and is not transferable. To access the benefits of this warranty, you must retain your proof of purchase and follow any other direction we reasonably give you (e.g. completing and returning your warranty card if applicable).

If you believe your Hardkorr product is defective, it must be returned to Hardkorr for inspection by our warranty claims department. Hardkorr will not be liable for any charges you incur relating to installation, repair or removal of Hardkorr products, nor for any costs incurred in returning the product to us.

To begin your warranty claim:

1. You must have a Return Authorization (RA) number. To get your RA number, please complete the form found on our website and wait for the warranty team to contact you.
2. Once you have an RA number, you must arrange for the product must be shipped back to Hardkorr. The address for shipment is Building 9/83 Burnside Rd, Stapylton Qld 4207.
3. Please include a copy of your original proof of purchase.
4. Please ensure that your RA number is clearly marked on your documentation and on the outside of the packaging used for shipping.

Completing the steps above will ensure faster processing of your claim, so that Hardkorr® can get your product back to you as soon as possible.

If Hardkorr determines, at our sole discretion, that your product is defective in material or workmanship, we will honor your warranty claim. We will determine whether the item is repaired or replaced.

Your warranty is voided if we (at our sole discretion) determine that there is evidence of one or more of the following:

- Negligence: Improper installation, improper or extreme use, etc.
- Abuse: Road hazards, Damage beyond the limits of "normal wear and tear."
- Unauthorized Repair: Repair service performed by an unauthorized service centre.
- Disassembly: Any attempt to open, tamper with or otherwise compromise the integrity of the product.

Discontinued Items:

Discontinued items that are still under warranty will be reviewed by Hardkorr®. If a discontinued item is covered under warranty it may be replaced by an equivalent item. If an equivalent item is not available Hardkorr® will determine terms of resolution on a case-by-case basis.

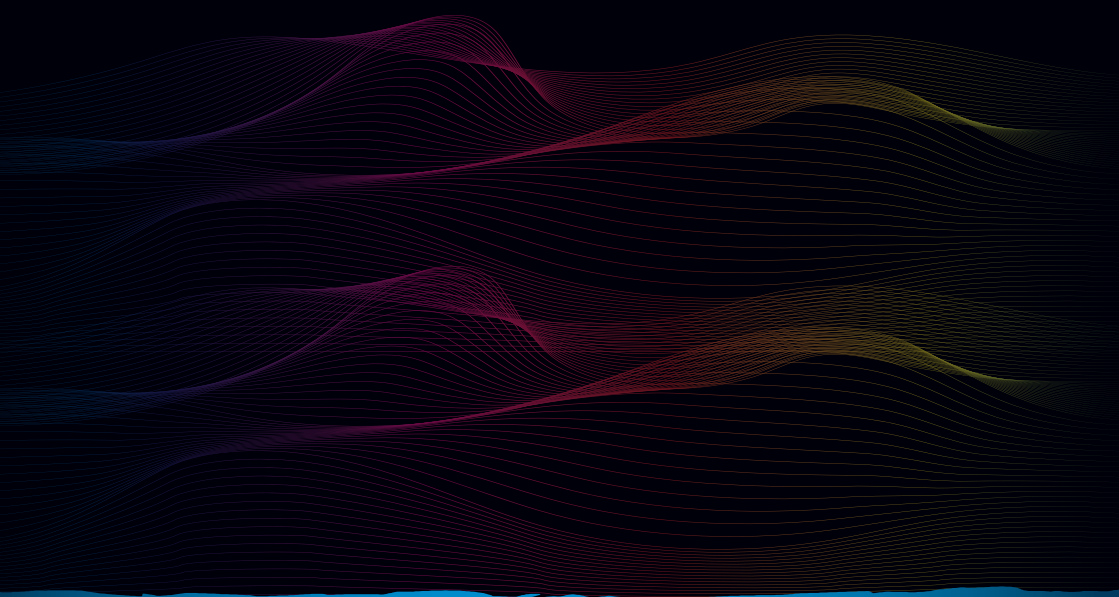
Exceptions to this Warranty:

**Painted Finish:** Hardkorr uses the highest quality materials available, but depending on location, environment and exposure, painted surfaces can fade. We will not approve any warranty claims that relate to faded paint.

**Damage to Lenses:** Please be aware that certain chemicals cause damage to polycarbonate plastics. Do not use cleaning products that contain any chemicals in the following list: Acetic Acid Aq., Acetone, Ammonium Carbonate Aq., Ammonium Chloride Aq., Benzene, Calcium Hypochlorite, Chloroform, Chromic Acid Aq., Ethyl Acetate, Ethylene, Glycol Aq., Formaldehyde Aq., Citric Acid, Heptane, Hydrofluoric Acid Aq., Lubricating Oils (Petroleum), Methyl Ethyl Ketone, Methyl Chloride, Mineral Oils, Oleic Acid, Ozone, Phosphoric Acid Aq., Toluene, Turpentine, Zinc Chloride Aq.

Hardkorr will not approve any warranty claims for lighting products where we reasonably believe that products have been exposed to any of these chemicals.





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