

on the boat, should be replaced in order to prevent the problem from repeating. The same is true for the plug on the cord and the receptacle on the Marina pedestal.

**⚠ WARNING** Carefully follow the wiring instructions supplied with all the replacement devices to insure proper operation.

### Product Care

Your MARINCO shore power adapter is intended for use outdoors. To prolong the life of the adapter, store indoors when not in use.

The metal parts of your MARINCO EEL adapter are made to resist corrosion. In a salt water environment, life of the product can be increased by periodically cleaning the exposed parts with fresh water, drying and spraying with a moisture displacement aerosol.

A soiled cable can be cleaned with grease cutting household detergent. If you're basic soap and water doesn't do the job, there are cord cleaners available through most marine retailers. A periodic application of vinyl protector will help both ends and cable maintain their original appearance.

### **⚠ DANGER** In case of Salt Water Immersion:

Rinse plug end or connector end thoroughly in fresh water, shake or blow out excess water and allow drying time. Spray with a moisture displacement before re-use. Applying Dielectric Silicone Compound or Grease to the connections will fight oxidation and to improve conductivity. Dielectric grease is available at most marine supply stores.

### Product registration

All product registration is available on line for your convenience. Please start at the [marinco.com](http://marinco.com) website. Navigate to the Support Center and complete the "Product Registration Form". We recommend that you keep the purchase receipt of you new product with the Operators manual and document the "Date Code" for future reference. Date Code can be found on the warning tag as well as stamped on the cord 12 inches from the end.

### Warranty

Marinco warrants that the products manufactured by Marinco are free from defects in workmanship or materials for a period of 5 years from the date of purchase. No other express warranty is given and no affirmation of Marinco, by words or action, will constitute a warranty. This warranty does not apply to any defects caused by negligence, misuse, or accidents, improper installation, or use in violation of the accompanying instructions and intended purpose. During warranty period, defects will be repaired or the defective product will be replaced, at Marinco's option, without charge.

To start a warranty claim, please visit the Marinco website at [marinco.com](http://marinco.com). Navigate to the Support Center tab. Selecting Warranty will take you to the RMA request form. Please fill out and submit. To expedite your request please provide all the information required.

The owner will assume the cost of transporting the product to the Marinco Company for evaluation.

The owner must notify Marinco of any defect, malfunction, or nonconformity within thirty (30) days after discovery of such defect, malfunction, or nonconformity.

Marinco's maximum liability shall not, in any case, exceed the contract price for the products claimed to be defective or unsuitable. Any and all implied warranties are limited to the duration of this Limited Warranty, which is 5 years from the date of the purchase. Some States do not allow the exclusion or limitation of implied warranties or consequential or incidental damages, so the above limitations or exclusions may not apply to you.

# MARINCO

[marinco.com](http://marinco.com)  
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*For more information and installation guides,  
visit our website: [marinco.com](http://marinco.com)*

**EEL** BY MARINCO  
**SHOREPOWER**

[marinco.com](http://marinco.com)

operations manual

**EEL Pigtail & Y-Adapters**



### Main Product Specifications

The EEL pigtail adapters and y-adapters are equipped with Marinco's patented **Easy Electrical Lock** System, allowing quick one handed connecting and locking to your boat. The EEL is compatible with all Marinco inlets regardless of year or style. Please refer to the operations manual or visit the EEL instructional video located at [marinco.com](http://marinco.com).

### Product Features

- Easy one handed connect & lock system
- Blue LED power indicator light on both ends of cord
- Watertight molded plug and connector for safety and durability
- Built-in cord light
- 5 year Warranty
- Secondary lock for added safety

### Safety Symbols Definitions

The instruction manual and labels applied to the product provide information for avoiding injury or death from unsafe practices related to setting up and operating the product. It is critical that all personnel involved with the use of this product understand these hazards and unsafe practices. The following levels define the severity of the hazard.

**⚠ DANGER** Immediate hazards that if not avoided WILL result in server injury or death

**⚠ WARNING** Serious injury or death COULD occur along with property damage if proper attention is not observed

### Warning Labels on Product

**⚠ WARNING** ELECTRICAL CORDS CAN BE HAZARDOUS

Misuse can result in FIRE, DEATH or INJURY by ELECTRICAL SHOCK.

- If unfamiliar with electrical cord sets or circuits, consult a qualified electrician.

- Inspect cord set thoroughly before each use. DO NOT USE IF DAMAGED OR CUT.
- Look for signs of corrosion or overheating. Examine ends of cord set, face of inlet on boat, and receptacle on dock. Look for corrosion, discoloration or melting. If evidence of corrosion or overheating is present, DO NOT USE AFFECTED ITEM. Replace item or seek qualified help.
- Keep children and pets away from cord set.
- Do not remove, bend or modify any metal prongs or pins of plugs of cord set.
- Turn off boat's shore connection switch before connecting or disconnecting cord set.
- Connect cord set at boat first. Fully insert and connect cord receptacle into boat power inlet.
- Fully insert opposite end plug into shore power outlet.
- If boat is equipped with a polarity indicator which activates, disconnect cord set and correct polarity.
- Avoid overheating. Uncoil cord set while in use and do not cover with any material.
- Do not walk on cord set.
- Do not roll, drag or place object over cord set.
- When finished, disconnect cord set at shore outlet first.
- Do not leave cord set connected to shore outlet when cord set is not in use.
- Store cord set where not exposed to sunlight or weather when not in use.

**⚠ DANGER** In case of water immersion of plug or connector of cords set, AVOID CONTACT WITH WATER. Immediately shut down power source and disconnect cord set. Rinse plug and connector with fresh water. Allow to dry completely before reuse. When dry, spray with electrical contact cleaner.

**⚠ WARNING** Total amperage drawn through adapter (and any connected power cord) must be limited to amperage rating of lowest rated (a) end of the adapter, and (b) any connected power cord. If tools or equipment are powered through adapter, tools or equipment must have the same voltage rating as shore outlet. Excess load/amperage through adapter, power cord, tools or equipment, can cause fire, injury or death.

**IMPORTANT! READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT**

Misuse can result in FIRE, INJURY or DEATH.

**Operating Instructions**

**CONNECTION**

Connecting the EEL to another cord and to insure a water tight connection you will need the following items; Male Connector with a Thread ring installed, Sealing Collar and the mating connector with the EEL configuration.

1. Lock the EEL connector with the Locking Thumb lever forward away from the blue LED. Thread the connector collar in to the EEL end for a tight connection.
2. Insert the connector and plug and twist. Tighten the Sealing collar to a secure tightness

Mating end may require the Locking ring installed. To install the Ring, Apply soap solution to shoulder of the connector, with a twisting motion, force the ring past the shoulder. (Warming the shoulder material will only help in the process)



**USAGE**

- To avoid overheating, uncoil cord set while in use and do not cover with any material.
  - Do not walk on adapter.
  - Do not roll, drag or place object over adapter.
  - Keep children and pets away from adapter.
  - Do not remove, bend or modify any metal prongs or pins of plugs of adapter.
- ⚠ WARNING** Always disconnect adapter from the shore power source before disconnecting at the boat.

**FAILURE TO ADHERE TO THIS WARNINGS WILL RESULT IN INJURY OR DEATH**

**DISCONNECTION**

Start by disconnecting the shore-power cable from the power source on shore (dock side). Flip the Locking Tab away from connection, toward the blue LED. Squeeze Wings and rotate EEL end of connector counter clockwise from connection. Inspect the connector for signs of overheating. Protect end of connector from dirt and harsh environments.

**⚠ WARNING** Always disconnect adapter from the shore power source before disconnecting at the boat.

**FAILURE TO ADHERE TO THIS WARNINGS WILL RESULT IN INJURY OR DEATH**

**Troubleshooting**

Marinco plugs, connectors, receptacles and inlets are engineered to provide years of trouble free service. However, the marine environment can cause problems with even the best design devices. Problems can be detected while they are small, it can save the owner time and expense later on. The most common problem with electrical connections is overheating. Fortunately, overheating can be detected and quickly remedied. The following are precautions and solutions to extend the life of your Marinco product.

**What to look for.....**

Before each use, examine the ends of the adapter. Look for discoloration or melting around the blades of the plug (male end) and around the slots on the connector (female end). Examine the face of the inlet on the boat and look for discoloration or melting around the blades of the inlet. Examine the receptacle at the Marina and look for discoloration, wear or deterioration around the slots.

**What causes overheating.....**

Overheating is generally caused by one or two conditions: corrosion of the metal blades or contacts, or bad connections between the wiring device and the wires connected to it. Severely corroded blades or contacts are a result of exposure to a corrosive environment, most commonly humidity. Corroded contacts do not make a good electrical connection and overheating will result.

Bad connections between a wiring device and the electrical wires can be a result of loose terminations, corrosion on the wires or terminals, or the wires not being stripped properly leaving the wire insulation under the terminals. A bad connection will result in overheating of the terminal.

**What to do.....**

**⚠ WARNING** Wiring devices showing overheating signs should be replaced immediately.

When replacing wiring devices examine the electrical wire and make sure the strands are clean, and not corroded. A new device will not make a good contact to a corroded wire. Many boat owners think overheating is a result of overloading the circuit, but this is rarely the case. A bad connection in an inlet will also cause the mating connector to overheat.

All too frequently a boat owner will merely continue to replace the connector, not realizing that the inlet is causing the problem. Both devices, the connector on the cord and the inlet