The CRMA Cordreel has been designed for manual pay out and motorized retraction of your shore power cable. The Cordreel can store 50amp 125/250 volt shore power cable and European 63amp 250volt shore power cable.

### 1.0 PRODUCT DESCRIPTION

**CRMA 50**  
CRMA50-XX-YY  
XX – DC voltage  
YY—Cable Type  
White—50 amp cable  
50’ long  
50amp Twist lock plug w/ lanyard  

**CRMA 63**  
CRMA63-XX-YY  
Anodized Aluminum Frame  
Yellow—63 amp cable  
20m long  
63 amp Twistlock plug w/ lanyard  
2m long pigtail (std.)  

Waterproof switch and nameplate assembly w/ 10’ wires (all CRMA units)
2.0 PRODUCT DIMENSIONS

CRMA 50/63

Weight:
(w/ 6/4 cable)
3.0 CORDREEL INSTALLATION

3.1 Before You Start the Installation

The most important part of your installation is planning the best layout for the shore power cable routing from the unit to where it exits the boat (normally through a Hawse Pipe). Be sure that cable is routing a straight path, free from any obstacles. If the cable exit is not in line with the center of the reel, it is very possible the cable will wrap on the side of the reel closest to the exit and could bind during retraction. There are some accessories you can purchase to help if there is no way to center the exit to the Cordreel. (See section 7 for accessories.) Also make sure that Cordreel is installed in a place where it is protected from the environment.

3.2 Installation Configurations

The Cordreel (50/63) is capable of being mounted in multiple configurations:

- Front Mount (std. configuration)
- Top Mount
- Rear Mount

3.3 Mounting Instructions

- The Cordreel will be mounted to either the floor or the overhead of the compartment where it will be located. If on the overhead, proper support bracketing must be provided by installer.
- Allow clearance for the Cordreel storage spool to operate freely without obstruction or interference, and for the connection of the power cable from your power supply.
- Install the Cordreel using 1/4” bolts, 1” long minimum. Bolt unit in each of the four corners. See above for bolting locations. Look for ▶️

NOTE: Unspooling the power cord before mounting the Cordreel can aid installation in tight spaces.
3.4 Wiring Diagram

**Power Switch Control Wire**
- 10' long (3mtrs)
  - Connects into back of Rocker switch

**Wireless Remote**
- Splice into black wire at switch

**Control Switch and Nameplate**

**Switch Wire to unit**
- Red
- Black

**Wireless Remote Control**
Part# 04154  12/24v Remote

**AC Power Input**
- 50 amp  5' long
- 63 amp  2 meters long

**DC Power Input**
(12v or 24v DC, check label on unit)
Red - DC Positive +
Black - DC Negative -
- use 20amp fuse/breaker

**Power Switch Control Wire**
- 10' long (3mtrs)
  - Connects into back of Rocker switch

**Wireless Remote**
- Splice into black wire at switch

**Switch Wire to unit**
- Red
- Black

**Wireless Remote Connection**
- Splice into black wire

**Guide Roller In-Limit Switch Assembly**
Part# 04862-x

**Installation:**
- Remove CRMA50 ac/motor cover
- Select 12" long brown wire loop
- Cut wire in half and splice into each
  - Out-Limit switch assembly wire.
- Replace CRMA50 cover

**Remote Antenna**
- Antenna must be mounted horizontally
  - and connected to the receiver for proper operation of the remote.
3.5 Installing the Hawse Pipe (optional accessory)

The installation of the Hawse Pipe is optional. You may also use your existing Hawse Pipe or any storage space door that is accessible to where you select the power cord to exit.

- Before drilling or cutting, be certain that the area behind the Hawse Pipe is free of wires, plumbing or structural supports.
- Mounting surface should be a minimum of 1/2” thick. Proper thickness may be achieved by using a butt block of marine-grade plywood behind the mounting surface.
- Mount Hawse Pipe.

3.6 Connect AC Power to Cable

<table>
<thead>
<tr>
<th>50amp 125v AC</th>
<th>Black - Line 125VAC</th>
<th>White - Neutral</th>
<th>Green - Ground</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>50amp 125/250v AC</th>
<th>Black - Line 1 125v AC</th>
<th>Red - Line 2 125v AC</th>
<th>White - Neutral</th>
<th>Green - Ground</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>50amp 125/250v AC w/ Isolation Transformer</th>
<th>Black - Line 1 125v AC</th>
<th>Red - Line 2 125v AC</th>
<th>Green - Ground</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>63amp 250v AC</th>
<th>Brown - Line 125AC</th>
<th>Blue - Neutral</th>
<th>Green - Ground</th>
</tr>
</thead>
</table>

The “pigtail” that comes on the Cordreel must be connected to the junction box or power switch that supplies 125v or 250v to the boat’s electrical system.

- Strip the insulation from the end of the “pigtail” as well as the green, white, black, and red wires within the insulation jacket.
- Attach appropriate connectors to each wire and attach to the junction box.

⚠️ WARNING: ⚠️

- All wiring should be done in accordance with ABYC’s standards. If you are unsure of these standards, consult a qualified electrician.
- Failure to wire correctly may result in DEATH, INJURY OR DAMAGE TO PERSONS, VESSELS, OR UNIT. Terminals are marked for correct wiring: HIT, NEUTRAL, & GROUND.
3.7 DC Wire Connection

The Cordreel comes with (2) 14 gauge wires exiting from the gear motor cover.

- These wires should be connected to the 12 or 24 VDC power source depending on unit purchased (see label on unit for correct voltage).
- Connect wire to DC battery as shown to left.
- Make sure all connections are secured and protected from the environment.

**WARNING:**

- All wiring should be done in accordance with ABYC’s standards. If you are unsure of these standards, consult a qualified electrician.

3.8 Control Switch

- Mount the control switch near where the cable exits the side of the boat.
- Connect red quick connector terminal to the tabs on the control switch.

- Cutout for switch is 1” x 1.75”
4.0 OPERATING INSTRUCTIONS

To operate your Cordreel:

- **PULL OUT** only the amount of shore power cord required to reach the outside power source.
- **CONNECT** your shore power cord to outside power source receptacle.
- **TURN ON** outside power supply.

When ready to get underway:

- **TURN OFF** outside power supply.
- **DISCONNECT** cord from the outside power supply.
- **PUSH AND HOLD** the Cordreel power switch (black rocker switch). Cordreel will electrically retrieve the power cord and store.
- When cord is fully retracted, **RELEASE** the power switch to stop the unit. NOTE: Not releasing the switch may cause the plug to get jammed in the unit and make the next use difficult.

5.0 MAINTENANCE

- **TO RELIEVE ANY KINKING** that may happen Routinely extend the power cable completely, stretch it on any flat surface, and allow the Cordreel to retract the cable into the reel.
- **INSPECT ALL AC AND DC WIRING CONNECTIONS** and make sure they are free of corrosion and connections are tight.
- **INSPECT THE EXTERIOR JACKET** of the power cable for nicks or cuts.
- **IF YOUR POWER CABLE IS DIRTY**, any cleaner should be compatible with the outer jacket material of the power cable.
- **IF NEEDING TO REPLACE POWER CORDSET**, **USE ONLY 90°c or preferable 105° c MINIMUM RATED CORDSETS** and ensure that the outside diameter of the new cordset does not exceed that of the factory supplied cordset. Maximum cordset length is 82’ (25m) of the correct outside diameter cord.

6.0 TROUBLESHOOTING

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>PROBABLE CAUSE</th>
<th>RECOMMENDED ACTION</th>
</tr>
</thead>
</table>
| Non-functional (either no power or unit has power and does not respond) | Tripped breaker  
Blown fuse at power source  
Power wire incorrectly connected to power source  
Defective motor | Reset breaker  
Replace fuse  
Check power source fuse and connections, reconnect or replace if necessary  
With power switch on and voltage across motor wires — if no response, replace motor |
| Cordreel stops retracting while button is being pushed | Cord jammed during retraction causing breaker to trip | Reset breaker  
Pay out cable and rewind |
### 7.0 ACCESSORIES

<table>
<thead>
<tr>
<th>PART#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>04054</td>
<td>Guide Roller Assembly with Plate</td>
</tr>
<tr>
<td>04154</td>
<td>Remote Control System 12/24V, Includes (2) transmitters, (1) receiver, (1) antenna, and (1) wire harness</td>
</tr>
<tr>
<td>04079-CRM</td>
<td>Stainless Steel Hawse Pipe w/ Guide Roller Assembly</td>
</tr>
<tr>
<td>04079-CRM-LS</td>
<td>Stainless Steel Hawse Pipe w/ Guide Roller Assembly and Limit Switch</td>
</tr>
</tbody>
</table>

### WARRANTY

PRODUCT COVERED BY THIS LIMITED WARRANTY: CRMA50/63

1. GLENDINNING PRODUCTS, LLC. warrants to the original consumer purchaser that the CRMA 50/63 will be free from defects in material and workmanship under normal use and service for a period of one (1) year from the date of purchase.

2. This LIMITED WARRANTY applies to defects in material and workmanship. It does not apply to plated or painted finishes or to cord damage caused by inadequate cable storage area or installation not in accordance with GLENDINNING PRODUCTS, LLC. specifications.

3. This LIMITED WARRANTY is void if the product has been damaged by accident or unreasonable use, neglect, improper installation, or other causes not arising out of defects in material or workmanship.

4. To obtain performance of this LIMITED WARRANTY obligation the original purchaser should contact GLENDINNING PRODUCTS, LLC. for instructions concerning removal and shipping of the defective component. Upon compliance of the foregoing procedure all warranted defects will be repaired, or at GLENDINNING PRODUCTS, LLC. option, the complete unit replaced and returned to the consumer, shipping charges prepaid.

5. GLENDINNING PRODUCTS, LLC. does not assume the costs of removal and/or installation of the product or any other incidental costs which may arise as a result of any defect in materials or workmanship.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY WARRANTY IMPLIED BY LAW INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS, IS IN EFFECT ONLY FOR THE DURATION OF THE EXPRESS WARRANTIES SET FORTH IN THE FIRST PARAGRAPH ABOVE. NO REPRESENTATIVE OR PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY OR TO ASSUME FOR GLENDINNING PRODUCTS, LLC. ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF IT’S PRODUCTS. GLENDINNING PRODUCTS, LLC. WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR INSTALLATION OF IT’S PRODUCTS.