

2007 / AC TURNKEY SHORE COMMANDER

Troubleshooting Guide

(GRAY CONTROL BOX)



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SPECIAL NOTICE

Do not turn the key in the lid key switch rapidly in both directions. This will cause damage to one or both “Ice Cube” Relays.

Never lift motor by power wires. This may result in damage to the wires inside the control box.

GENERAL INFORMATION

Shore Commander Advantages

Safety

- No fingers getting caught in crank wheel or rubber wheel drive.
- Anyone is able to use the lift with more ease. Eliminating the wheel also allows more room to enter and exit the boat lift.
- Key access limits who can operate the lift. Keeps small children from being able to operate (without the key).
- Safe and reliable, worm gear drive replaces industry standard, ratchet pawl wheel lock mechanism.

Easy To Operate

- Key operated control! No more cranking!
- If you lose power, a manual backup bit is provided for use with a cordless drill to run the lift up and down.

Quiet

- Commander Product's reliable worm gear drive system eliminates the need for the noisy, ratcheting brake kit.

Maintenance Free

- Gearbox is oil filled and permanently sealed so you never have to drain and refill.
- Both the control box and the motor are designed to withstand the elements.
- It is recommended the unit be removed at the end of the boating season and stored in a cool dry place.

Technology

- Commander Products' *patented* direct drive technology eliminates slippage commonly found with rubber wheel drives, chains that can stretch or rust over time and simplifies installation.

1.0 Power recommendations for the AC Turnkey Shore Commander

- Licensed Electrician

***Warning:** Do not plug your AC Turnkey Shore Commander into a 220v AC power supply or higher.*

Damage will occur resulting in voiding of the manufacturer's warranty.

To prevent serious injury due to electrocution, a licensed electrician is highly recommended by the manufacturer to assess that all AC wiring is correctly installed before the AC Turnkey Shore Commander should be used.

1.1 Power recommendations for the AC Turnkey Shore Commander

- General Power Recommendation

A. The AC Turnkey Shore Commander motor is only as good as the power it is supplied while "**Under Load**" and will cause damage to the AC motor voiding the Manufacturer's warranty.

120v AC is required.

Any voltage over 120v can cause severe damage to the system and void all manufacturers' warranty.

A 20 amp GFI (ground fault Interrupt) protector "must" be installed on the shore by a licensed electrician.

12-2 awg outdoor wiring is recommended for a distance of 100' feet or less from the power supply to the AC Turnkey Shore Commander.

10-2 awg outdoor wiring is recommended for a distance of 100' feet or greater from the power supply to the AC Turnkey Shore Commander.

The normal operating voltage "Under Load" is between 114v – 120v AC with an amp draw between 6 – 15 amps.

1.2 System does not work at all when plugged into AC power supply

- A. Check power supply to the AC Turnkey Shore Commander system.
System requires 120v AC power to work properly – Refer to section 1.0 & 1.1

Plug a separate AC powered device into the outlet where the Commander system is located to make sure that there is power going through the line.

*Power drill, drop light etc. **Note:** This test is not to indicate proper level of current, but only to see if the power line is active.*

If there is no power from the power supply or through the power line.

Contact a licensed electrician

1.3 System has power but no "UP" or "DOWN" function

- A. Unplug the AC Turnkey Shore Commander from the power supply.

***Warning:** Do not place your fingers inside the control box without unplugging the AC Turnkey Shore Commander from the power source*

- B. Loosen the 4 large plastic screws on the control box.
- C. Carefully open the lid so you do not accidentally unplug any of the internal wires.
- D. Visually inspect that all of the internal wire connectors are plugged in.

E. If any of the internal wires are unplugged. **Again – make sure you have disconnect the power to the AC Turnkey Shore Commander** and then plug back in any loose wire(s) after obtaining guidance from Commander Products LLC.

F. Visually inspect the “Ice Cube” relays for damage. If damage is observed, Contact Commander Products LLC

G. Carefully place the lid back on the control box, but make sure “no” wires get pinched or cut.

H. Put the lid screws back into the lid fastening it to the control box.

1.4 Motor will not pickup the boat

A. Inspect boat lift

B. Inspect power supply as indicated in Section **1.1**

1.5 Wiring Diagram

