



Firstmate® Installation Manual

Standard Model

December, 2012

Warning

No user serviceable parts are located inside your **Firstmate**[®] unit. Installation and service should be performed by a qualified installer only.

To avoid the risk of electric shock, always disconnect power to your dock before installing the Firstmate[®] or any of its components.

Use only cordless tools for installation. Failure to follow these instructions may result in injury or death.

Always securely tie off your vessel to your dock, Firstmate, Inc. assumes no liability for damages resulting from the user's failure to securely restrain their vessel.

Never use your remote control without being present at the lift. If your lift is not raising or lowering in a level position, stop the lift and correct the problem.

Stay clear of the lift while it is in operation.

Table of contents

Installation Instructions

Topic	Page
Warnings	2
Before you begin	4
Component Checklist	4
Installing the blower box	4
Installing the receiver	4
Finishing the installation	6

Installation Instructions

1.0 Before you begin:

- 1.1 Read all warnings prior to attempting installation.
- 1.0 Inspect unit to verify receipt of all components.
- 1.1 Tools required: cordless drill, an appropriate drill bit for the mounting hardware used, 5/16" nut driver, tubing cutter or hacksaw, and wrenches for mounting hardware used.
- 1.2 Turn off power to the dock.

2.0 Component checklist:

- 2.1 Blower Cover with lid
- 2.2 Frame assembly
- 2.3 Receiver assembly w/ 14 foot receiver cable and antennae.
- 2.4 Keyfob (1ea) supplied
- 2.5 Owner's manual (1 ea).

3.0 Installing the Blower Box:

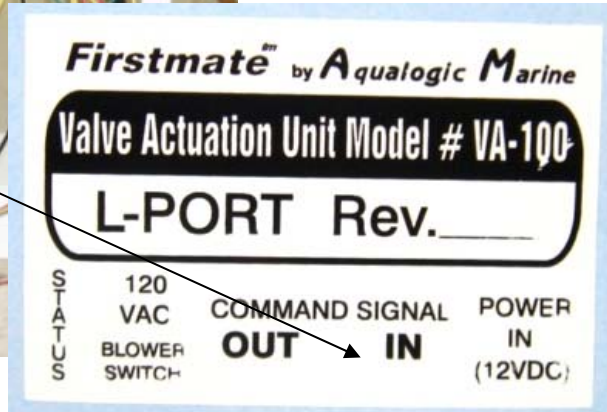
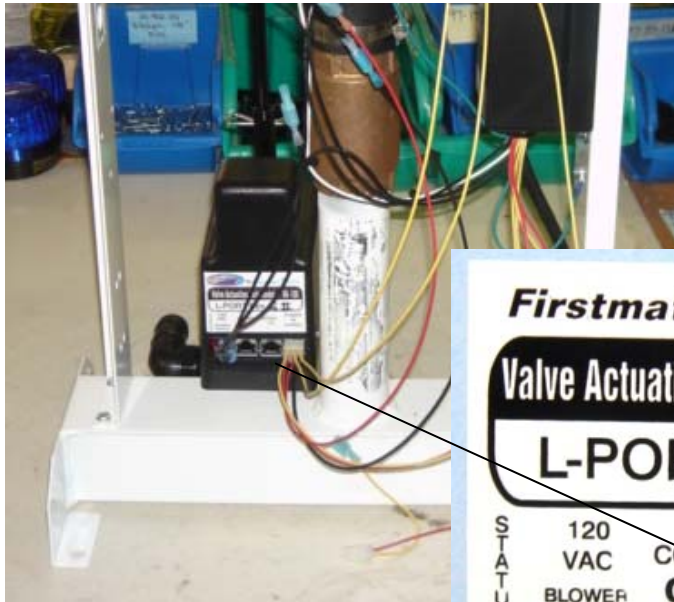
- 3.0 Locate the desired position of blower box. Check to see that the power cord will reach the nearest power outlet. **The placement should be located with the blower box cover placed over the frame.**
- 3.1 Remove the blower box cover. Keep the screws and washers for re-installation of cover. Mark the 4 mounting holes from the blower box frame and drill through the dock decking.
- 3.2 Mount the frame to the dock using 5/16" x 2 1/2" bolts, washers and nuts. Do not mount the blower box cover at this time.

4.0 Installing the Receiver:

- 4.0 Locate the mounting position of the receiver within 12 feet (including rise) of the blower box, near the roof of the dock. This location should be in a sheltered area of the dock or located in a suitable weatherized container minimizing the potential exposure to rain.
- 4.1 Mount the receiver with the antennae **POINTING DOWN.**
- 4.2 Attach the Antennae.
- 4.3 Attach the receiver cable to the receiver. Run the cable to the blower box and install in the jack labeled "**REMOTE**" on the controller assembly.

SEE DIAGRAM ON NEXT PAGE FOR PROPER ASSEMBLY PROCEDURE.

Firstmate Standard Remote Receiver/Cable Installation



Plug one end of 14' cable into the "IN" Command Signal on the valve driver assembly



Plug other end of 14' cable into the "Control Output" on the Remote Receiver. If mounting Receiver on a dock post, be sure to mount with Antenna **pointing down**. Receiver should be mounted out of direct weather either under roof on dock; or attached inside on Firstmate frame.

** NOTE: Once installing antenna, bend antenna to 90° to increase range of reception.



5.0 Finishing the installation:

- 5.0 Mount lift hoses to nipples on blower box (tank side of the **Firstmate™** valves).
- 5.1 Re-Install the blower box cover using ¼" sheet metal screws and large diameter washers.
- 5.2 Plug the **Firstmate™** into the power outlet.
- 5.3 Restore power to the outlet.
- 5.4 Test keyfob* by holding DN button to activate lift (strobe should flash & handles should turn); Press & hold UP button to close valves (handles should turn back to Hold & strobe stop flashing)

*keyfob is referred to as "true touch" ~ press & hold for approximately 2-3 seconds to activate fob.

This completes the installation of the Firstmate system. Please refer to your Owner's Manual for further operating instructions.