

POOL PILOT DIGITAL

Software Version 4.0

JANDY® AQUALINK RS INTERFACE

These instructions describe the installation and operation of the Pool Pilot Digital with a Jandy Aqualink RS. They apply to all Pool Pilot Digital units with Version 4.0 software and Jandy Aqualink Version I or later software. The Aqualink programming and messages are typical. Please refer to your Aqualink user manual if problems are encountered programming on the Aqualink control panel.

Note: The Aqualink may not display Pool Pilot menus or status unless the circulation pump is running.

Programming the Pool Pilot Digital to communicate with the Aqualink RS:

Pool Pilot	<ol style="list-style-type: none">1. Press MENU.2. Press Δ or ∇ until "Installer Menu" is displayed.3. Press and <u>hold</u> SELECT (approximately 15 seconds) until "Installer Menu" jumps to the top line of the display.4. Press Δ or ∇ until "Set pump control" is displayed then press SELECT.5. Press Δ or ∇ until "Jandy runs pump" is displayed then press SELECT.6. Press Δ or ∇ until "End menu mode" is displayed then press SELECT.7. "Remote Operation" should now be on the display.
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Programming the Pool Pilot to stop communicating with the Aqualink:

Aqualink	<ol style="list-style-type: none">1. No action required on the Aqualink control panel.
Pool Pilot	<p>The Pool Pilot will display "Remote Operation" if is being controlled by the Aqualink. To disconnect the Pool Pilot from the Aqualink for service:</p> <ol style="list-style-type: none">2. Press MENU.3. Press Δ or ∇ until "Installer Menu" is displayed.4. Press and <u>hold</u> SELECT (approximately 15 seconds) until "Installer Menu" jumps to the top line of the display.5. Press Δ or ∇ until "Set pump control" is displayed then press SELECT.6. Press Δ or ∇ until "External Timer" is displayed then press SELECT.7. Press Δ or ∇ until "End menu mode" is displayed then press SELECT.8. The Pool Pilot display will now display "Purifier xx%" followed by time, etc. <p>The Pool Pilot will now ignore the Aqualink controller. All settings for the Pool Pilot should now be programmed on the Pool Pilot (not on the Aqualink control panel). The Pool Pilot can now be programmed for automatic independent operation or service tests can be run.</p>

Status Messages:

Aqualink	In case of low salt, loss of flow, or a cell problem, the Aqualink will periodically display "CHECK Pool Pilot".
Pool Pilot	While in "Remote Operation", the Pool Pilot will still display status or if a problem is detected display any error messages and light up the Check System red LED.

Adjusting the Pool Pilot purifier output % from the Aqualink Control Panel:

Pool Pilot	The Pool Pilot will display "Remote Operation" if is being controlled by the Aqualink.
Aqualink	<ol style="list-style-type: none">1. The Aqualink control panel will periodically display the Pool Pilot output setting and the salt level.2. To adjust the Pool Pilot output, press MENU.3. Press FORWARD until the display shows "SET Pool Pilot".4. When the Pool Pilot setting is displayed, press ENTER to allow the purifier output to be adjusted.5. Press FORWARD or BACK until the desired purifier output percentage is shown. The Aqualink will allow changes only in steps of 5%.6. Press ENTER when done.
Pool Pilot	<ol style="list-style-type: none">7. The Pool Pilot will display "Remote Operation" and the new "xxx %" output setting.

Setting the Pool Pilot purifier to Super Chlorinate (Boost) operation from the Aqualink Control Panel:

Pool Pilot	The Pool Pilot will display "Remote Operation" if is being controlled by the Aqualink.
Aqualink	<ol style="list-style-type: none">1. Press MENU.2. Press FORWARD until the display shows "SUPER CHLORINATE".3. Press ENTER and the display will show "Start".4. Press ENTER to select the "Start" super chlorinate. The Super Chlorinate can be stopped, restarted, or paused on the Aqualink panel. Follow the following steps to modify the Super Chlorinate mode.<ol style="list-style-type: none">1. Press MENU.2. Press FORWARD until the display shows "SUPER CHLORINATE".3. Press ENTER and the display will show "Pause".4. Press FORWARD and the display will then show "Restart".5. Press FORWARD and the display will then show "Stop".6. (Press FORWARD until the desired function is displayed.)7. Press ENTER to select the desired function.<p><i>Note: Aqualink models prior to Rev K may terminate the Super chlorinate (Boost) mode before the full 24-hour period has expired.</i></p>
Pool Pilot	<ol style="list-style-type: none">5. The Pool Pilot will display "Remote Boost" and "100%" for the purifier output setting while super chlorinating. The Aqualink will run the pump continuously until the super chlorination (boost) cycle is complete.

Making the electrical connections:

Pool Pilot	1. Disconnect power.
Aqualink	<p>2. Disconnect power.</p> <p>3. Open the door and remove the inside panel from inside the Aqualink power center.</p> <p>4. Using 4-wire cable (Jandy JDY-4278 or equivalent exterior grade 4-wire telephone cable) connect to the red 4-pin connector at the top of the Aqualink circuit board.</p> <p>5. Observe the wire colors and match them to the colors marked on the circuit board and in the Aqualink manual.</p> <p>6. Run the cable through one of the knockouts at the lower left of the Aqualink power center.</p> <p>7. Replace the inside panel and close the door.</p>
Pool Pilot	<p>8. Loosen but do not remove the 4 thumbscrews on the side of the Pool Pilot cover.</p> <p>9. Carefully slide off the cover. Carefully disconnect/remove the 3 plugs that connect to the display board that is mounted inside the cover. (The display board does not need to be removed from the cover.)</p> <p>10. Set the cover aside.</p> <p>11. Remove 4 screws that retain the inner metal. Remove the inner metal cover.</p> <p>12. Remove one of the hole plugs at the bottom of the Pool Pilot and add a strain relief (not supplied by Autopilot).</p> <p>13. Pass the 4-wire cable through the strain relief, and connect it to the 4-position terminal block at the lower right of the Pool Pilot, matching the colors to those already present. (see figure below)</p> <p>14. Tighten the strain relief.</p> <p>15. Re-install the inner metal cover. <i>Be sure that cables are routed so that the cover does not pinch them.</i></p> <p>16. Plug 3 connectors into the display board on the cover.</p> <p>17. Re-install the cover and tighten the 4 thumbscrews.</p> <p>18. Power can now be turned on again.</p>
Aqualink	19. Power can now be turned on again.

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