

Chlorinator Translator Rev 1.4

By Flynn Engineering, LLC

IMPORTANT SAFETY INSTRUCTIONS

When using this electrical equipment, basic safety precautions should be followed, including:

- **READ AND FOLLOW ALL INSTRUCTIONS**
- Disconnect all AC power during installation.
- Warning – To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
- **SAVE THESE INSTRUCTIONS**

INTRODUCTION

Prior to Revision L of the Jandy AquaLink® RS, the AquaLink® RS could control the Hayward®/GoldLine Aqua Rite® through the control panel (AquaLink® One Touch™, AquaLink® PDA, or AquaLink® Touch™). Revision L and forward, Jandy has chosen to no longer control the Aqua Rite® through the control panel. The Chlorinator Translator permits the AquaLink® RS to control the Aqua Rite® through the control panel without modifying either the AquaLink® RS or the Aqua Rite®.

The Chlorinator Translator is designed to allow the AquaLink® RS to communicate with your chlorine generation system. This permits the ability to control chlorine level and SUPER CHLORINATE (Boost Pool). The Chlorinator Translator also reports error(s) back to the AquaLink® RS. Refer to your AquaLink® RS manual on how it shows you errors. Read your chlorine generation system manual on how to use it.

OPERATION

If you are installing your chlorine generation system for the first time, do this FIRST, following manufacturer's installation instructions. After the chlorine generation system is properly installed, the Chlorinator Translator may be installed.

DO NOT CONNECT YOUR AQUALINK® RS TO THE AQUA RITE® AT THIS TIME.

The Chlorinator Translator has a Link Status LED. When the LED is blinking the Chlorinator has power and is functioning, but there is no active communication with AquaLink® RS or Aqua Rite®. Once the AquaLink® RS and Aqua Rite® communication is established, the Link Status will be solid. Also, the AquaLink® RS or Remotely Controlled LED on the Aqua Rite® will be lit. You can now control your Aqua Rite® through the AquaLink® RS control panel.

Depending on the revision of the Chlorinator Translator hardware and software, the lights have the following meaning:

Revision	Green	Red	Blue	Description	Check
All Hardware and Software.	Blinking			Power on, neither Aqua Rite® nor AquaLink® RS has communicated.	If it remains this way after 1 minute, check wiring to both devices.
HW 1.3 SW 2.X	Blinking	Blinking		Power on, AquaLink® RS is seen.	If it remains this way after 1 minute, check wiring to Aqua Rite®.
HW 1.3 SW 2.X	Blinking		Blinking	Power on, Aqua Rite® is seen.	If it remains this way after 1 minute, check wiring to AquaLink® RS.
All Hardware and Software.	On Solid			Power on and AquaLink® RS is communicating with Aqua Rite®.	Nothing wrong.
HW ≥ 1.3 SW ≥ 3.X	Blinking	Blinking	Blinking	Power on, AquaLink® RS is not communicating with the Aqua Rite®.	See appendix A.
HW ≥ 1.3 SW ≥ 3.X		Blinking fast		Chlorinator Translator is in the process of unlocking your AquaLink® RS.	See appendix A.
SW ≥ 6.X		Blinks once in awhile		Chlorinator Translator is blinking error code.	See appendix B.

Figure 1

SUPPORTED CHLORINE GENERATION SYSTEMS

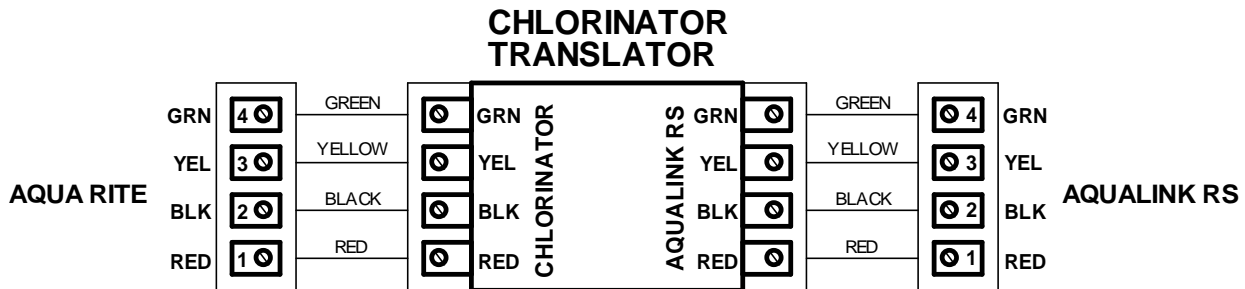
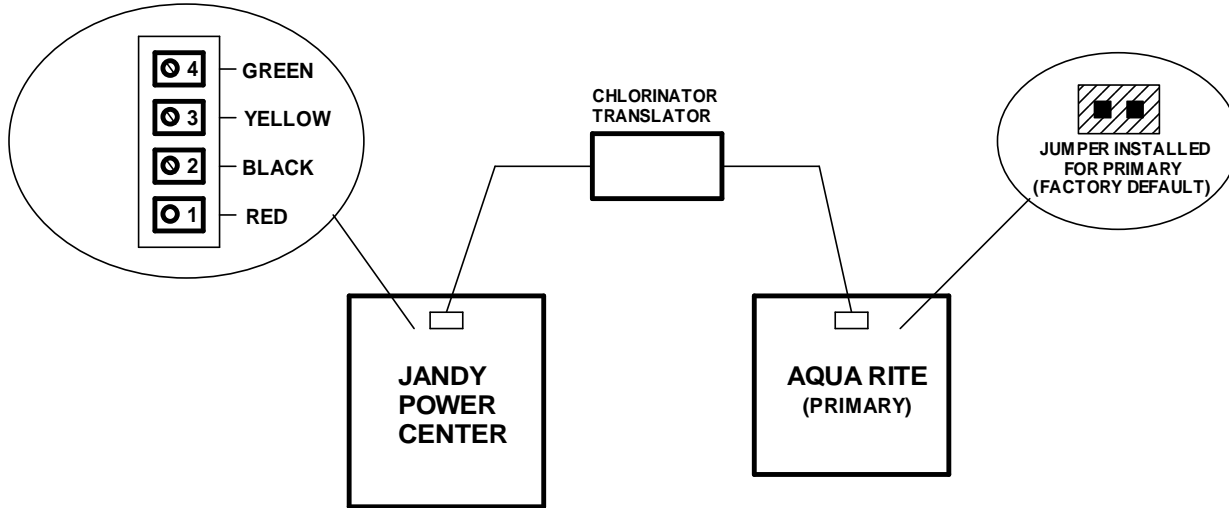
The following chlorine generation systems are supported by the Chlorinator Translator

- Aqua Rite® by Hayward® or GoldLine Controls Inc.
- Nature Soft® by Pebble Technology, Inc. (private label by Hayward® or GoldLine Controls Inc.)
- Mineral Spring® by Bioguard® (private label by Hayward® or GoldLine Controls Inc.)
- Smart Pure (private label by Hayward® or GoldLine Controls Inc.)

Note: All above systems are by Hayward® or GoldLine Controls Inc. Known software revisions are 1.04, 1.3, 1.4, and 1.5X.

CONNECTING

The AquaLink® RS and the chlorine generation system use a 4 wire connection to communicate. Any outdoor rated 4 conductor cable can be used. Refer to the Jandy instructions and the wiring diagrams below, and the Aqua Rite® instructions and the wiring diagrams below for proper wiring connection to the Chlorinator Translator.



Appendix A

As of AquaLink® RS Rev T (PDA Rev is not known at this time), Zodiac has added a feature to prevent (by locking) the controller from communicating with any chlorinator, including their own product, AquaPure™. The controller will report “NOT COMPATIBLE”. The Chlorinator Translator will detect this and will attempt to unlock the controller. Following are the steps taken, approximate times, and what visual indicators you will see.

- 1) Chlorinator Translator is blinking green, red and blue: After about 15 seconds in this state, it is determined that the controller is locked and the Chlorinator Translator proceeds to step 2. However, there is a limit on the number of times the Chlorinator Translator will unlock your controller. Once this limit is reached, the Chlorinator Translator will continue to blink green, red and blue. Please contact Flynn Engineering, LLC for a solution.
- 2) Rev M or newer (52 pin), and Chlorinator Translator Rev \geq 6.X Chlorinator Translator is blinking red fast and the “AUTO” LED on the controller panel is solid: In approximately 60 seconds Chlorinator Translator is blinking red slow.
- 3) Rev T or newer or PDA Rev 7.X or newer (50 pin), Chlorinator Translator is blinking red (CT Rev \geq 6.X fast) and the “AUTO” LED on the controller panel is solid: In approximately 30 seconds the “AUTO” LED will start to blink. In another 30 seconds the “AUTO” LED will be solid again and Chlorinator Translator is blinking red (CT Rev \geq 6.X slow).
- 4) About 20 seconds later the Chlorinator Translator will have a solid green light. If not, refer to the Figure 1 Chart.
- 5) Once the unlocking process is complete, power cycle the AquaLink® RS for it to run your pool’s program.

Appendix B

With revision 6.X and newer the Chlorinator Translator will blink an error code to indicate the problem. To read this error code watch the LED on the Chlorinator Translator module. All the LED will be off for 2-3 seconds and then start blinking. Count the number of time it blinks. There will be a pause for 1 second and it will blink again. Count these blinks. This is the error code. The module will repeat this unit it is powered cycled. The following are possible error codes and what they mean.

11 – The module has detected a lock AquaLink but the max number of times to unlock has been reached. Please contact Flynn Engineering.

12 – The module has detected a lock AquaLink but doesn’t know how to unlock it. Please contact Flynn Engineering.

13 – The module has detected it has be wired in backwards. The chlorinator side is connected to the AquaLink. Please check your wiring.

AquaLink® RS, AquaLink® One Touch™, AquaLink® PDA , AquaLink® Touch™ and AquaPure™ are by Jandy/Zodiac

Aqua Rite® is by Hayward®/GoldLine Controls Inc.

LIMITED WARRANTY

Thank you for purchasing the Chlorinator Translator by Flynn Engineering, LLC. Flynn Engineering, LLC warrants all parts of the Chlorinator Translator to be free from manufacturing defects in materials and workmanship for a period of one (1) year from the date of retail purchase.

This warranty is limited to the first purchaser, is not transferable, and does not apply to products that have been moved from their original installation sites. The liability of Flynn Engineering, LLC shall not exceed the repair or replacement of defective parts and does not include any costs for labor to remove and reinstall the defective part, transportation to or from the factory, or any additional materials required to make the repair. This warranty does not cover any failures or malfunctions resulting from the following:

1. Failure to properly install, operate, or maintain the product in accordance with the published installation instructions, which are provided with the product.
2. The workmanship of any installer of the product.
3. Abuse, alteration, accident, flood, lightning, rodents, insects, negligence, or acts of God.

LIMITATION OF LIABILITY:

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