Partner: Jandy
Model: iAquaLink
Device Type: Pool Controller

CRESTRON CERTIFIED INTEGRATED PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Jandy iAquaLink v1.1
CATEGORY:	Miscellaneous
VERSION:	1.1
SUMMARY:	Provides monitoring and control of multiple Jandy iAquaLinks via TCP/IP.
GENERAL NOTES:	This module will control and monitor the functions of the Jandy iAquaLink by initiating a session with the Zodiac iAquaLink Web Connect System and retrieving a list of locations available for an existing user account. When changing lighting colors, the iAquaLink cycles on/off through the available colors until it reaches the one that was selected. Thus, it may take some time for the Aux buttons on/off status to report correctly. Note: This is a 3-Series only module.
CRESTRON HARDWARE REQUIRED:	3-Series Processor w/ethernet
SETUP OF CRESTRON HARDWARE:	Crestron processor must have internet access to the outside to connect to the Zodiac iAquaLink Web Connect System
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	iAquaLink needs to be registered on the web. Details are included the iAquaLink Quick Start Guide.
CABLE DIAGRAM:	N/A

CONTROL:

Get_Session	D	Pulse to initiate a session with the Zodiac iAquaLink Web Connect System and retrieve a list of locations available for this user account.
Select_Location_Home_Screen	D	Pulse to display the location home screen.
Select_OneTouch_Screen	D	Pulse to display the OneTouch Screen.
Select_Other_Devices_Screen	D	Pulse to display the list of available Aux devices.
Select_Spa_(Temp1)_Screen	D	Pulse to display the Spa (Temp1) screen to adjust the Spa (Temp1) temperature setpoint.
Select_Pool_(Temp2)_Screen	D	Pulse to display the Pool (Temp2) screen to adjust the Pool (Temp2) temperature setpoint.

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End_Session	D	Pulse to enter User ID or PIN code to submit.
Message_OK	D	Pulse to clear the "Display_Message" subpage signal.
Select_Location_<1-10>	D	Pulse to select a location to monitor/control.
Set_Pool_(Temp2)_Pump	D	Pulse to enable/disable the pool (temp2) pump.
Set_Spa_(Temp1)_Pump	D	Pulse to enable/disable the spa (temp1) pump.
Set_Pool_(Temp2)_Heater	D	Pulse to enable/disable the pool (temp2) heater.
Set_Spa_(Temp1)_Heater	D	Pulse to enable/disable the spa (temp1) heater.
Set_Solar_Heater	D	Pulse to enable/disable the solar heater.
Set_SWC_Boost	D	Pulse to enable/disable the SWC (salt water chlorination) boost setting.
Set_SWC_Low	D	Pulse to enable/disable the SWC (salt water chlorination) low setting.
Spa_(Temp1)_Key_<0-9/Enter>	D	Pulse to enter a spa (temp1) setpoint.
Pool_(Temp2)_Key_<0-9/Enter>	D	Pulse to enter a pool (temp2) setpoint.
Set_OneTouch_<1-6>	D	Pulse to trigger a OneTouch function.
Select_Aux_<N>	D	Pulse to select an available Aux to adjust.
Select_Color_<1-15>	D	Pulse to select color for the corresponding aux selection.
Set_SJVA_Key_<0-9/ Enter>	D	Pulse to enter a SJVA setting for the selected aux.
Set_Dimmer_Key_<0-9/ Enter>	D	Pulse to enter a dimmer setting for the selected aux.

FEEDBACK:

Display_Locations_Screen	D	Latches high to display the locations screen.
Display_Location_Home_Screen	D	Latches high to display the location home screen.
Display_OneTouch_Screen	D	Latches high to display the OneTouch screen.
Display_Other_Devices_Screen	D	Latches high to display the other devices screen.
Display_Set_Dimmer_Screen	D	Latches high to display the set dimmer level screen.

Display_Set_Light_Screen	D	Latches high to display the set light color screen.
Display_Set_SJVA_Screen	D	Latches high to display the set SJVA level screen.
Display_Spa_(Temp1)_Screen	D	Latches high to display the set spa (temp1) level screen.
Display_Pool_(Temp2)_Screen	D	Latches high to display the set pool (temp2) level screen.
Display_Wait_Message	D	Latches high to display wait message screen.
Wait_Message_Text	S	Text field displaying the wait message received.
Display_Message	D	Latches high to display message screen.
Message_Text	S	Text field displaying the message received.
Location_<1-10>_Serial_Number_Text	S	Displays the serial number for locations if they exist.
Location_<1-10>_Label_Text	S	Displays the label for location 1 if it exists.
Location_Text	S	Displays the location that was selected for monitoring/control.
Home_Status_Text	S	Displays the selected location's connection status.
Pool_(Temp2)_Pump_Is_<On/Off>	D	Indicates that pool (temp2) pump is on or off.
Spa_(Temp1)_Pump_Is_<On/Off>	D	Indicates that spa (temp1) pump is on or off.
Pool_(Temp2)_Heater_Is_Enabled	D	Indicates that pool (temp2) heater is enabled.
Pool_(Temp2)_Heater_Is_Disabled	D	Indicates that pool (temp2) heater is disabled.
Pool_(Temp2)_Heater_Is_Heating	D	Indicates that pool (temp2) heater is heating.
Spa_(Temp1)_Heater_Is_Enabled	D	Indicates that spa (temp1) heater is enabled.
Spa_(Temp1)_Heater_Is_Disabled	D	Indicates that spa (temp1) heater is disabled.
Spa_(Temp1)_Heater_Is_Heating	D	Indicates that spa (temp1) heater is heating.
Solar_Heater_Is_Enabled	D	Indicates that solar heater is enabled.
Solar_Heater_Is_Disabled	D	Indicates that solar heater is disabled.
Solar_Heater_Is_Heating	D	Indicates that solar heater is heating.
SWC_Boost_Is_Enabled	D	Indicates that SWC boost is enabled.

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SWC_Boost_Is_Disabled	D	Indicates that SWC boost is disabled.
SWC_Low_Is_Enabled	D	Indicates that SWC low is enabled.
SWC_Low_Is_Disabled	D	Indicates that SWC low is disabled.
Home_Spa_(Temp1)_Setpoint_Text	S	Displays the spa (temp1) setpoint.
Home_Pool_(Temp2)_Setpoint_Text	S	Displays the pool (temp2) setpoint.
Home_System_Type_Text	S	Displays the system type.
Home_Freeze_Protection_Text	S	Displays the freeze protection settings.
Home_Cover_Pool_Text	S	Displays the cover pool settings.
Home_Air_Temp_Text	S	Displays the current air temp.
Home_Spa_(Temp1)_Temp_Text	S	Displays the spa (temp1) temp.
Home_Pool_(Temp2)_Temp_Text	S	Displays the pool (temp2) temp.
Home_Temp_Scale_Text	S	Displays the temperature scale (C or F).
Home_SWC_Setpoint_Text	S	Displays the SWC setpoint.
Home_ACL_Value_Text	S	Displays the ACL value.
Home_Spa_Salinity_Text	S	Indicates that the LED is active or inactive.
Home_Pool_Salinity_Text	S	Displays the spa salinity.
Home_ORP_Text	S	Displays the ORP setting.
Home_pH_Text	S	Displays the pH setting.
Freeze_Protection_Available	D	Indicates that freeze protection information is available.
Cover_Pool_Available	D	Indicates that cover pool information is available.
Solar_Heater_Available	D	Indicates that solar heater information is available.
SWC_Setpoint_Available	D	Indicates that SWC setpoint information is available.
SWC_Boost_Available	D	Indicates that SWC boost information is available.
SWC_Low_Available	D	Indicates that SWC low information is available.

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ACL_Value_Available	D	Indicates that ACL value information is available.
Spa_Salinity_Available	D	Indicates that spa salinity information is available.
Pool_Salinity_Available	D	Indicates that pool salinity information is available.
ORP_Available	D	Indicates that ORP information is available.
pH_Available	D	Indicates that pH information is available.
OneTouch_Button_<1-6>_Is_Active	D	Indicates that a OneTouch button is active.
OneTouch_Button_<1-6>_Available	D	Indicates that a OneTouch button is available.
OneTouch_Button_<1-6>_Text	S	Displays the label for OneTouch buttons.
Aux_<N>_State_Is_On	D	Indicates that an aux status is on.
Aux_<N>_State_Is_Off	D	Indicates that an aux status is off.
Aux_<N>_Label_Text	S	Displays the label for an aux button.
Aux_<N>_Type_Text	S	Displays the type for an aux button.
Aux_<N>_Subtype_Text	S	Displays the subtype for an aux button.
Lighting_Setting_Text	S	Displays the type of light color being used for the selected aux.
Aux_Color_<1-15>_Text	S	Displays the labels for the aux colors.
SJVA_Setting_Text	S	Displays the current SJVA setting for the selected aux.
Dimmer_Setting_Text	S	Displays the current dimmer setting for the selected aux.

PARAMETERS:

Email_Address	S	E-mail address used for the Zodiac iAquaLink Web Connect System active account.
Password	S	Password used for the Zodiac iAquaLink Web Connect System active account.
Debug	A	Use to enable/disable debugging.

TESTING:

OPS USED FOR TESTING:	3-Series: v1.005.0007
SIMPL WINDOWS USED FOR TESTING:	v4.02.20
DEVICE DB USED FOR TESTING:	v54.00.003.00
CRES DB USED FOR TESTING:	v43.05.006.00
SYMBOL LIBRARY USED FOR TESTING:	v886
SAMPLE PROGRAM:	3 Series: Jandy iAquaLink v1.1 Demo CP3.smw
REVISION HISTORY:	v1.0 – Original release v1.1 – Resolved issue with module not working when running on an MC3.