

Iqua Connect' Home Netv

## AquaConnect Home Network (ACHN) Troubleshooting Guide

# AQ-CO-HOMENET

TSG-ACHN110a

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Aqua Connect Home Network (ACHN) Diagnostics



#### **High Voltage Electrocution Hazard**

Hazardous voltage can shock, burn, cause serious injury and or death. To reduce the risk of electrocution and or electric shock hazards:

- Only qualified technicians should remove the panel
- Replace damaged wiring immediately
- Insure panel is properly grounded and bonded



#### **ACHN Minimum Requirements**

Family	Model	Firmware
2 <sup>nd</sup> Generation Antenna	AQL2-BASE-RF	v1.10

&

Pro Logic All Models including PL-P-4 v4.20 & hig	her
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#### -OR-

Aqua Rite Pro	All Models	v1.20 & higher
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#### ACHN Operation Status LEDs

LED	Description
RF	Normal Operation: ON Solid Indicates whether or not the ACHND is communicating with the pool controller.
ТΧ	Normal Operation: Flashing Indicates when the ACHND is sending information through the Ethernet cable.
RX	Normal Operation: Flashing Indicates when the ACHND is receiving information from the Ethernet cable.
LINK	Normal Operation: Flashing 4 times per minute Indicates when communication occurs between the ACHND and the Aqua Connect Website.





8 mypool5a3 - Google S 🗙			
← → C 🗋 http://myp	ool5A3		
Oops! Google Chrome	could not find mypool5a3		
Suggestions: • Search on Google:			
	mypool5a3	Google Search	

If the Intranet otherwise known as the LAN feature is not working using the last three digits of the MAC address, proceed to step 1A located on page 5.



\*Note: the MAC Address is 12 characters long and can be located on the label underneath the ACHN device\*





Verify the ACHN has power and its Ethernet cable is plugged into the same router as the computer. If the Tx and Rx LEDs do not appear replace the Ethernet cable. If Wi-Fi is being used, make sure the Aqua Connect is plugged into the same router as the Wi-Fi signal. If correct go to step 1B (p.6).



Substitute the http://mypoolxxx with the IP address assigned to the ACHN by the home network I: Locate and click on the App Store, II: Locate the "Search" icon at the bottom and type "Fing" into the search bar III: Click on the "Fing" App



Highlighted in blue is an example of an IP address. The IP address will be assigned by the customer's home network, whereas the MAC address is the equivalent of a social security number and is a unique identifier. To obtain the IP address through an Apple product go to step 1C. To obtain the IP address through a PC, go to step 1E. (p.7).



I: Click on the App Store which is located on the dashboard. II: Click on the search option and type "fing" into the search bar. Click on Install (this should be a free app) III: Open the app and proceed to step 1D (p.7).



IV: Click on the IP address that matches the MAC address (in light grey font). V: Copy the IP address VI: Click on the start button VII: Scroll up to run and select VIII: In the "Open" bar, type "cmd" and select the "OK" button



Type http:// in the address bar of the browser followed by the IP address. If this does not correct problem go to step 1H (p.9).

VI: Start by pressing the start button (bottom left of the Windows Task Bar) or click on "Run" if available. VII: Select the "Run" option. VIII: Type "cmd" into the "Open" bar and press the "OK" button. Continue to step 1F (p.8).



Type ping mypool followed by the last three digits of the MAC address and press enter Once the test has run the IP address should appear in brackets as highlighted below

Microsoft Windows XP [Version 5.1.2600] (C) Copyright 1985-2001 Microsoft Corp. U:\>	
U:\>	_

Once entered proceed to step 1G.



Copy the IP address and use it in the Address Bar (preceded by the http://) If this does not correct go to step 1H (p.9).



Register the unit through the ACHN website. www.aquaconnectweb.com



If Set-up New Account does not appear click on Classic option at the bottom of the page. If registration works and adding a pool provides full control from the web, then the problem is in the LAN security (home network – which may require the help of a network professional). If the problem still exists proceed to step 1J.

## Check the main software revision in the diagnostics menu.



Press the right arrow until main software rev. appears. If the main software revision is 4.20 or higher (1.20 for AQR-PRO) then the problem is likely the network. In some extremely rare cases the Aqua Connect could be the cause of this problem.



#### 2: Aqua Connect Not Functioning Unit Not Communicating





## 2: Aqua Connect Not Functioning Unit Not Communicating

Log in to the web account and check the Pool Settings by clicking on the tab



Log in to the ACHN account and on the left side of the dashboard select the "Pool Settings" tab. Scroll down until the Gateway MAC address appears as well as the controller type; if this information does not appear go to step 2D, if it does appear contact tech support (908)355-7995.

Check the main software revision in the diagnostics menu.



Press the right arrow until main software rev. appears. If the main software revision is 4.20 or higher (1.20 AQR-PRO) then the problem is either the network or possibly the Aqua Connect.



## 3: Aqua Connect Account Can't Sign into Web Account

#### Verify Username and retry Password

	1
Step 3A	
	Sign in to manage your pool
	Username MyPool
	Password
	Your user name or password was not recognized
	SIGN IN Remember Username
	Trouble signing in?
	Set-Up New Account
	About Aqua Connect Web
	Double check the user name and retry password. Though the username is not case sensitive the password is. If the account is locked go to step 3B otherwise contact tech support to reset

password (908)355-7995.

#### sign in Step 3B Sign In to manage your pool MyPool Username Password This account has been disabled and will remain disabled for 15 more minutes. Remember SIGN IN Username Trouble signing in? Set-Up New Account About Aqua Connect Web Though the username is not case sensitive the password is. If the account has been locked, wait 15 minutes and then contact tech support to reset password (908) 355.7995.

Wait 15 minutes and retry

Note: The username and email address must be provided in order to reset the password through technical support.



#### 4: Aqua Connect Device No LEDs Illuminated

## Verify the 5DC through ACHN power cable



With the power cable plugged into the wall check the power on the output side of the transformer for 5DC  $\pm$ .5DC. If no or low voltage, go to step 4B. If correct go to step 4C (p. 14).

#### Verify receptacle has power



If plug is a GFCI verify it is not tripped. Check the plug for power. If no power consult an electrician. If power is present replace the ACHN plug (GLX-HOMENET-PS).



#### 4: Aqua Connect Device No LEDs Illuminated





Plug the Ethernet into another router port. If the Tx and Rx do not appear replace the cable and if LEDs still do not appear go to Step 4D. If LEDs appear follow instructions on p.18 to train the unit.

#### Verify the Internet Connection



If the internet connection has been verified and the Tx and Rx LEDs do not appear replace the Aqua Connect. If this does not correct the problem consult the Internet Service Provider (ISP).



## 5: Aqua Connect Device Constant Screen Refresh or Not Updating

Note the browser being used with the Aqua Connect Website

Step 5A	3:16 PM	100%
×	AquaConnect Terminal Interface	Gearch
	AYWARD	
2/6	A Sector	Aqua Connect <sup>®</sup> Web
Home	Help	Logout
Home Dashboard	Salt Level 2800 PPM	+ < Menu >
Dashboard	Salt Level 2800 PPM	< MENU >
Control		<u> </u>
Data History	Use Caution when turning on features remotely.	
Survey	SYSTEM OFF FAN	
View Pool		

If refreshing the browser does not correct the issue, go to step 5B. If it does problem solved.

Unplug the ACHN device for a couple of minutes and then restore power



If this does not correct the problem on an Apple product, proceed to step 5C (p. 16). For PC based products go to 5D (p. 17).



## 5: Aqua Connect Device Constant Screen Refresh or Not Updating

I: Locate and click on the App Store II: Locate the "Search" icon (bottom) and type "Chrome" into the search bar III: Click on "Chrome" App



I: Click on the App Store which is located on the dashboard. II: Click on the search option and type "Chrome" into the search bar. Click on Install (this should be a free app) III: Open the app and proceed to step 5E (p.17).



## 5: Aqua Connect Device Constant Screen Refresh or Not Updating

#### Install the Google Chrome browser on non-Apple based device



To download the Google Chrome browser on a non-Apple based product. Open the current web browser and type <u>www.chrome.com</u> in the address bar. Click on the Download now option, launch the chrome browser and go to step 5E.

## Check ACHN functionality by trying the remote control feature



If problem still persists temporarily disable all security software and firewalls associated with the home network and retry. If this corrects the issue speak with a network professional about modifying the network to allow the ACHN device full access.



## **Aqua Connect: Training the Device**

Use the following steps to train the Aqua Connect Home Network Device to the control system. Make sure both units are powered up when conducting this step.



Note: If training the wireless device fails verify that the antenna is generation 2 (AQL2-BASE-RF). A GLX-RF-EXTEND is available if the antenna needs to be moved closer to the Aqua Connect.



## **Aqua Connect: Performing a Range Test**

Use the following steps to perform a range test, verifying the RF signal strength between the ACHN device and the control system. Once complete, clear the test by power cycling the ACHN device.



Note: If two LEDs or less appear after conducting a range test, relocate the base antenna or the ACHN device to achieve a stronger RF signal strength.









Note: If contacting technical support please have the username and email associated with the account available prior to calling.







#### Aqua Connect: Quick Tips Setting up a Sub Account

# 1. Log in to main account (www.aquaconnectweb.com)



# 2. Click on Account Settings to create the Sub Account

Aqua Conne	ect Web		
Home	Help I	Logout	I
Site Listing for S	ales Demo Aqua Connec	t Home Network 50	6
Pool Name	Notes	Last Alarm Date	Status
Hayward Sales Demo PS-8	Demo purposes ONLY	3/9/2013 10:20:55 AM	lost link
Hayward Sales Demo PS16	Demo purposes ONLY	6/12/2012 6:46:08 AM	lost link
Hayward Sales Demo PS4	Demo purposes ONLY PS4 506	3/8/2013 1:45:56 PM	ок
Sales Demo Aqua Plus	Aqua Plus 1119	4/3/2013 4:45:55 PM	ОК
	Rows 50 ck a POOL NAME to go to the Site D		
Account Settings	Add a Pool	Logout	

HAYWARD

\*Note: If accessing from a tablet or mobile device select the classic option at the bottom of the page.\*



#### Aqua Connect: Quick Tips Setting up a Sub Account

4. Populate all required info.

including username and password

3. Scroll to the bottom and click on "Create Sub Account"

Account Management	Account Details			
		Required fields	are in <b>BOLD</b>	
	Account Description:	Paul's Sub Acc	ount	Used for accounts with more than one location.
	User Name:Password:	username	•••••	Must be 6 or more characters without spaces
Manage Account: Goldline Controls	First / Last Name:	Paul	Poisson	
	Phone Number:	(xxx)xxx-xxxx	ĸ	Your contact information is never sold or traded.
GoldLine	Street Address:	xxxxxxxx		
	Address Line 2:			
	City:	North Kingstov	vn	
Create Sub Account	State:	RHODE ISLAN	1D	
Manage Sub Accounts	Zip Code:	02852		
	Country:	Select one		
	Email Address*:	techservice@a	quaconnectweb.co	m



#### Aqua Connect: Quick Tips Setting up a Sub Account

# 5. Once Populated scroll to the bottom and select the "Add" button

Account Details		
	Required fields are in <b>BOLD</b>	
Account Description:	Paul's Sub Account	Used for accounts with more than one location.
User Name:Password	username ••••••	Must be 6 or more characters without spaces.
First / Last Name:	Paul Poisson	
Phone Number:	(xxx)xxx-xxxx	Your contact information is never sold or traded.
Street Address:	xxxxxxxxx	
Address Line 2:		
City:	North Kingstown	
State:	RHODE ISLAND	]
Zip Code:	02852	
Country:	Select one	
Email Address*:	techservice@aquaconnectweb.com	
	*Important Note: This email address account password. Use a unique addr account, and be sure the recipient is a the account in the case of a lost pass	can be used to reset a lost ess for each account or sub authorized to gain access to word.
	Select additional information you would	l like to receive via E-mail:
	Service and urgent administrative     Helpful equipment newsletters and     Special offers from Hayward Pool	messages. 1 technical bulletins. Products
		i loudes.
_		
Ad	ld Cancel	

6. Select the pool you wish to have access to via the site list (Note: step 6 and 7 will have to be done for every pool desired)

Aqua Connect Web					
Home	Help I Logout				
Site Listing for Sales Demo Aqua Connect Home Network 506					
Pool Name	Notes	Last Alarm Date	Status		
Hayward Sales Demo PS-8	Demo purposes ONLY	3/9/2013 10:20:55 AM	lost link		
<u>Hayward Sales Demo</u> <u>PS16</u>	Demo purposes ONLY	6/12/2012 6:46:08 AM	lost link		
Hayward Sales Demo PS4	Demo purposes ONLY PS4 506	3/8/2013 1:45:56 PM	ок		
Sales Demo Aqua Plus	Aqua Plus 1119	4/3/2013 4:45:55 PM	ОК		
C Account Settings	Rows 50 ick a POOL NAME to go to the Ste D Add a Pool	ashboard.	)		



## Aqua Connect: Quick Tips

**Setting up a Sub Account** 

7. Go to Pool Settings > Manage Access and change the level of access desired for each sub account created

Account Description	Last Name	First Name	User Name	Account Unit Access Level
а	а	а	agnerc	No Access 💌 🗆 Notifications
paul sub	poisson	paul	ppoisson	Read Only
paul's sub	poisson	paul	ppoisson1	Read/Write 💌 🗆 Notifications
Test Account	service	tech	tservice	No Access 🔽 🗆 Notifications
test	service	tech	t2service	No Access 💌 🗆 Notifications
Johnny	Smith	Johnny	Johnny	No Access 💌 🗆 Notifications
		Rows 50	)	
		_		
e RO Account			Update	Cancel



#### Aqua Connect: Quick Tips Disabling a Sub Account

# 1. Log in to main account (www.aquaconnectweb.com)



#### 2. Click on the Account Settings button (bottom left)

Aqua Conne	ect Web			
Home I	Help I	Logout	L	
Site Listing for Sales Demo Aqua Connect Home Network 506				
Pool Name	Notes	Last Alarm Date	Status	
Hayward Sales Demo PS-8	Demo purposes ONLY	3/9/2013 10:20:55 AM	lost link	
Hayward Sales Demo PS16	Demo purposes ONLY	6/12/2012 6:46:08 AM	lost link	
Hayward Sales Demo PS4	Demo purposes ONLY PS4 506	3/8/2013 1:45:56 PM	ок	
Sales Demo Aqua Plus	Aqua Plus 1119	4/3/2013 4:45:55 PM	ОК	
C	Rows 50	ashboard.		

\*Note: If accessing from a tablet or mobile device select the classic option at the bottom of the page.\*



#### Aqua Connect: Quick Tips Disabling a Sub Account

3. Scroll to the bottom and click on "Create Sub Account"

4. Click on the Sub Account we wish to disable

Account Management				
	Account Description	Last Name	First Name	User Name
	<u>a</u>	а	а	agnerc
Manage Account: Goldline Controls	<u>paul sub</u>	poisson	paul	ppoisson
	<u>paul's sub</u>	poisson	paul	ppoisson1
	<u>all pools</u>	poisson	paul	allpools
GoldLine	Test Account	service	tech	tservice
	test	service	tech	t2service
Create Sub Account	<u>Johnny</u>	Smith	Johnny	Johnny
Manage Sub Accounts	<u>John's sub</u>	Sub	John	johnsub
	Rows	50		



#### Aqua Connect: Quick Tips Disabling a Sub Account

#### 5. Change access to "Disabled"

ib Account Details

	Required fields are in <b>BOLD</b>	
Account Description:	paul's sub	Used for accounts with more than one location.
User Name:	ppoisson1	Must be 6 or more characters without spaces.
First / Last Name:	paul poisson	
Phone Number:	401	Your contact information is never sold or traded.
Street Address:	16	
Address Line 2:		
City:	MA	
State:	MASSACHUSETTS	
Zip Code:	01504	
Country:	UNITED STATES	
Email Address*:	p@noneofyourbusiness.com	
	*Important Note: This email address c account password. Use a unique addre account, and be sure the recipient is ai the account in the case of a lost passw	an be used to reset a lost ss for each account or sub uthorized to gain access to vord.
	Select auditional information you would Service and urgent administrative r	nessages.
	<ul> <li>Helpful equipment newsletters and</li> <li>Special offers from Hayward Pool F</li> </ul>	technical bulletins. Products.
Access:	Disabled 💌	

#### 6. Scroll to the bottom and click "Save and Return" to finalize

Alarm Notifications
Any Pro Logic control alarms and user defined alarms for all sites will generate messages to the addresses below. To limit messages to particular sites, create Sub accounts using link below.
techsupport@aquaconnectweb.co Emai  Delete
Account Management
Manage Account: Goldline Controls
Sales Demo Aqua Connect Home Network 506
Create Sub Account Manage Sub Accounts
Save and Return Site List

