ASHLY

AquaControl™ Network Connection & Firmware Update Instructions

► Getting Connected

Introduction: Ashly AquaControl compatible products have a built-in web server delivering software right to your computer or mobile device. AquaControl can connect to your device using an Ethernet/Wi-Fi router or via a direct Ethernet connection to your PC. AquaControl is accessed through the web browser on your device. Supported browsers include current versions of Chrome®, Edge®, and Safari®. For best results, Ashly recommends a minimum screen resolution of 1024 x 768, and screen size of 10" or larger.

Ethernet Connection: AquaControl devices come configured with automatic IP assignment as the default, to ensure compatibility with your network/computer. This means you must initially connect its Ethernet jack to a network router for automatic IP assignment (DHCP), or alternatively connect it directly to a computer for automatic Link Local IP assignment. Once connected, you may access AquaControl software to change the connection to static IP, if desired.

Getting Started: Apply power to the AquaControl device and router (if used), then boot your computer or mobile device. Wait a couple minutes for all devices to boot and establish network connections. Launch the web browser on your computer or mobile device and enter the AquaControl device's unique hostname address in the address bar. The format is http://(device)_(mac address).local/. The mac address can be found on a sticker on the back or side of the unit.

A hostname address for an Ashly AQM1208 would appear similar to: **http://aqm1208_0014AAF00036.local/**. An Ashly mXa-1502 would appear similar to: **http://mxa1502_0014AAF00031.local/**. Enter your device's hostname address into your browser to access the AquaControl login screen. Login using the factory default credentials, User ID: **admin** Password: **secret**. If you are still unable to access the AquaControl login screen in your browser, try the alternate network discovery instructions shown below.

► Alternate Network Discovery Instructions

Use the steps below to discover the AquaControl device based on the device platform you are using.

Windows® 10:

1) Open File Explorer, (type "File Explorer" in the Windows search bar to find it). In the File Explorer app click on the "Network" section in the left side pane. A list of all connected network devices should begin populating. Wait for the list to complete and skip to step 3. If the list doesn't populate, you may have to right-click in the right side pane and select refresh or enable Windows Network Discovery - see step 2.

2) To enable Windows Network Discovery, click on the yellow warning message at the top of File Explorer's right side pane in the Network section. Repeat Step 1.

3) Your AquaControl device may appear in the "Other Devices" list (sometimes referred to as SSDP Plug'N'Play). The device MAC address is added to the end of it's name. The MAC address is printed on a sticker attached to the device back or side panel. Double-click on the device icon to automatically launch the software. If you do not see your device listed here, go to step 4, otherwise skip to step 7.

4) In certain cases, your AquaControl product will appear in the "Computer" section of the network list. If this is the case, double-click on it and proceed to step 5.

5) Double-click on the AquaControl shared folder and proceed to step 6.

6) Double-click on the index.html link to launch the software. Proceed to step 7.

7) Log in to AquaControl software. Enter your username and password and press the Log In button. If this is the first log-in to a new unit, use the factory default credentials, User ID: **admin** Password: **secret**

OSX®:

1) From the desktop, click <Go>, then click on <Network>. The list of all Network devices will start populating. Wait for the list to complete.

2) Find your AquaControl device in the network device list. The device's MAC address is added to the end of it's name. The MAC address is printed on a sticker attached to the back or side panel. Double-click on the mXa device name.

3) Double click on the resulting <AquaControl> icon.

4) Double-click on the resulting <index.html> file to launch the software.

5) Log in to AquaControl software. Enter your username and password and press the Log In button. If this is the first log-in to a new unit, use the factory default credentials, User ID: **admin** Password: **secret**

iOS

1) Use a network device discovery app such as "Flame®" to see all available network devices.

2) Find the AquaControl device in the list. Its MAC address gets added to the end of its name.

3) Tap on the device to launch the software. Depending on the app used, additional address or type lines may need to be entered before the software will launch.

4) Log in to AquaControl software. Enter your username and password, then tap the Log In button. If this is the first log-in to a new unit, use the factory default credentials, User ID: **admin** Password: **secret**

Android®

1) Install an Android application that can discover Network Plug'n'Play devices. There are several apps that can do this. For example, "UPnP Tool" is a free discovery app available on the Google Play Store.

2) Launch the UPnP Tool or other network discovery application and it will provide a list of all Plug'n'Play devices on your network. You should see the AquaControl device listed, with its MAC address added to the end of its name.

3) Click on the (info) information icon, ("i" in a circle), to the right of the item to bring up the details of the product. Then click on the <presentationURL> link or the <IP address> link to launch AquaControl. Your default browser will launch and connect to the device. If this is the first log-in to a new unit, use the factory default credentials, User ID: **admin** Password: **secret**

► What To Do If Network Discovery Fails

If using a wired computer network connection, and your AquaControl device does not appear on the computer's network device list, it may be necessary to disable WiFi on your computer to allow discovery. Also confirm the computer is set for automatic (DHCP) IP configuration.

Automatic versus Static IP: The DHCP server (router), or direct-connected computer may arbitrarily re-assign a new IP address to the device after the IP lease expires or devices are rebooted. You'll need to rediscover the AquaControl device any time its automatic IP address gets changed. To avoid future discovery steps, connect using the hostname address, (see **Getting Started** section), or assign a Static IP address to the device.

To assign static IP from AquaControl software: Go to [Settings>Network>Network Configuration] and select [Manual Configuration]. Save your settings and note the IP address for future use. Important: If you are using a router, a static IP address reservation for the AquaControl device must also be entered in your router's IP administration settings. Once the device has been assigned a static IP address, the address can be entered into the browser address bar to connect directly to AquaControl. Important: You must use an IP address with the same subnet as your router and computing device. The subnet is the first three sections of the IP address. For example, 192.168.1 is the subnet section of IP address 192.168.1.100. Tip: The easiest thing to do is use the IP address that was automatically assigned to the AquaControl device by the router/DHCP server.

► Firmware Update Instructions

Please check your current AquaControl device's firmware and update if necessary. There is no automatic update feature.

1) Login to AquaControl software and check the installed firmware version by going to the Dashboard page. The firmware version is found under the Device heading.

2) In a separate browser tab, go to www.ashly.com/firmware-updates/ and check if a higher version is available for your AquaControl device. If so, click the link to download its new [*.bin] file.

3) To update firmware, in AquaControl go to the [Settings > General Settings] page, then click the "Update" button next to the current firmware revision text. Click the [+ Firmware File] to browse for the firmware file you just downloaded. Finally, click [Install Update] to begin the update process.

<u>**Do not remove power from the unit during the update process**</u>**. The update may take up to 10 minutes to complete.**

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