



## **Please Note: After Completing Network Discovery, make sure to check and update your firmware.**

***The mXa-1502 continues to be enhanced. In order to get the most from your new mXa-1502, please verify your current firmware and update accordingly.***

- 1) After first completing Network Discovery (shown below), check the AquaControl™ firmware version on your mXa-1502 by going to the main software Dashboard page. The currently installed firmware version is seen under the Device heading.
- 2) Go to [ashly.com/mxa1502](http://ashly.com/mxa1502) downloads section and check for the latest firmware version. If a higher version is available on the Ashly website than the version installed on your unit, click the link and download the new mXa-1502 [\*.bin] file.
- 3) To update firmware from 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 new downloaded firmware file. Finally, click [Install Update] to begin the update process. The update will take 6-10 minutes to complete. Do not remove power from the unit during the update process.

*For more details on firmware update, see instructions in the [ashly.com/mXa-1502](http://ashly.com/mXa-1502) firmware section or FAQ section on the Ashly website.*

## **- mXa-1502 Network Discovery Instructions -**

The mXa-1502 has a built-in web server delivering Ashly AquaControl software right to your computer, tablet, or mobile device. There is no application to install. AquaControl is accessible on most computers and mobile devices with a web browser. Supported browsers include current versions of Chrome®, Edge®, and Safari®. Minimum screen resolution is 1024 x 768. For the best experience, a minimum screen size of 10" is recommended.

The mXa-1502 comes configured with automatic IP assignment as the default. This means you will initially need to connect the mXa-1502 Ethernet jack to a router or other device capable of automatic (DHCP) IP assignment, or connect it directly to a Windows® or MAC® computer for Link Local communication.

**DHCP:** Connect your computer or mobile device to the same router/LAN that the mXa is connected to, using WiFi or a wired network cable. Apply power to each device and wait for them to boot up and receive IP assignments from the router. It may take up to two minutes for the DHCP server to assign IP addresses to each device, then follow the instructions below for your computer or mobile device type to discover and connect to the mXa-1502.

**Link Local:** When the mXa-1502 is configured for Automatic IP, it can be connected directly to a Windows or MAC computer. Make sure your computer is on and fully booted. Connect the mXa-1502 Ethernet jack directly to your computer's network jack with a standard Ethernet cable. Apply power to the mXa-1502 and wait approximately 2 minutes to complete the Link Local negotiation. Then follow the instructions below for Windows 10 or OSX device discovery. If the computer fails to provide Link Local IP assignment and discovery fails, the mXa-1502 will revert to the IP address 169.254.100.100. In this case, you may type 169.254.100.100 into your web browser address bar, to gain access to the device. You can also connect using the hostname address, (see 'What to do if discovery fails' on page 2).

For initial network discovery, use the steps on the following page to automatically discover the mXa-1502 based on the device platform you are launching from. In all cases, the initial default login credentials will be:

**User ID: "admin"**

**Password: "secret"**

### **Windows® 10:**

- 1) Open Computer or Windows Explorer and click on the Network folder. The list of Network devices should start populating. Wait for it to complete and skip to step 3 (this could take several minutes). If the list doesn't populate you may need to enable Windows Network Discovery - go to step 2.
- 2) Click on the yellow warning text at the top of the Network folder to enable Windows Network Discovery. Repeat Step 1.
- 3) Find the mXa-1502 device in the SSDP Plug'N'Play devices section. (If you do not see an mXa device in the SSDP section go to step 4).

Note: the MAC address is appended to the device name and can also be found on a sticker near the unit's Ethernet jack. Double-click on the device icon to automatically launch the software in your default web browser. Skip to step 7.

- 4) Find the mXa-1502 device in the NetBIOS (Samba) computing devices section. 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 and the web server software will launch in your default web browser. Proceed to step 7.
- 7) Log in to AquaControl software. Enter your username and password and click or touch the Log In button. If this is the first log-in to a new unit, use the factory default credentials

## OSX®:

- 1) From the desktop, click <Go>, then click on <Network>. The list of all Network devices will start populating. Wait for it to complete (this could take several minutes).
- 2) Find the mXa-1502 device in the network device list. The device MAC address is appended to the device name and can also be found on a sticker near the unit's Ethernet jack. Double-click on the mXa device name.
- 3) Double click on the resulting <AquaControl> icon.
- 4) Double-click on the resulting <index.html> file and the web server software will launch in your default web browser.
- 5) Log in to Ashly AquaControl software. Enter your User ID and Password, then click or touch the Log In button. If this is the first log-in to a new unit, use the factory default credentials.

## iOS

- 1) Use a network device discovery app such as "Flame®" to see all available network devices.
- 2) Find the mXa-1502 in the list. It will have its MAC address added after the device name.
- 3) Tap on the mXa-1502 device to launch the software. Depending on the app used, additional address or type lines may need to be tapped before the software will launch.
- 4) Log in to AquaControl software. Enter your User ID and Password, then tap the Log In button. If this is the first log-in to a new unit, use the factory default credentials.

## 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 MXA1502 listed, with its MAC address appended to the 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. It is recommended to use Chrome, Edge or Safari. Other browsers are not supported and may not show content correctly. If this is the first log-in to a new unit, use the factory default credentials.

## - What to do if discovery fails -

Try connecting by entering the mXa-1502's unique hostname address in your web browser address bar. The format is: [http://MXA1502\\_\(your mac address\).local/](http://MXA1502_(your mac address).local/). The mac address is printed on the mXa-1502's serial number sticker. Here is an example of a completed unique hostname address: [http://MXA1502\\_0014AAF00036.local/](http://MXA1502_0014AAF00036.local/)

**DHCP vs Static IP:** The DHCP server, (router), or direct-connected computer may arbitrarily re-assign a new IP address to the mXa-1502 after the IP lease time expires, or the mXa-1502 is rebooted. This may require you to rediscover the mXa-1502 to connect to AquaControl. To avoid future discovery steps, you can assign a Static IP address to the mXa-1502.

**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. A static IP address reservation for the mXa-1502 must also be entered in your router's IP administration settings. Once the mXa-1502 has been assigned a static IP address, the address can be entered into the browser address bar to connect directly to AquaControl. *NOTE: it is important to 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 mXa-1502 by the router/DHCP server.)