

Updating AquaControl™ firmware on your Ashly mXa-1502.

The mXa-1502 uses embedded programs that run within the device, also known as *firmware*. On occasion, Ashly will release new firmware updates to improve operation or add features. In most cases this can be deployed in the field by the system administrator.

It is important to review the firmware revision history to determine if the update will add value to your installation. Although a firmware update is typically a routine procedure, there is a low level of risk that it can cripple the Ashly device, explained below:

Associated risk when updating.

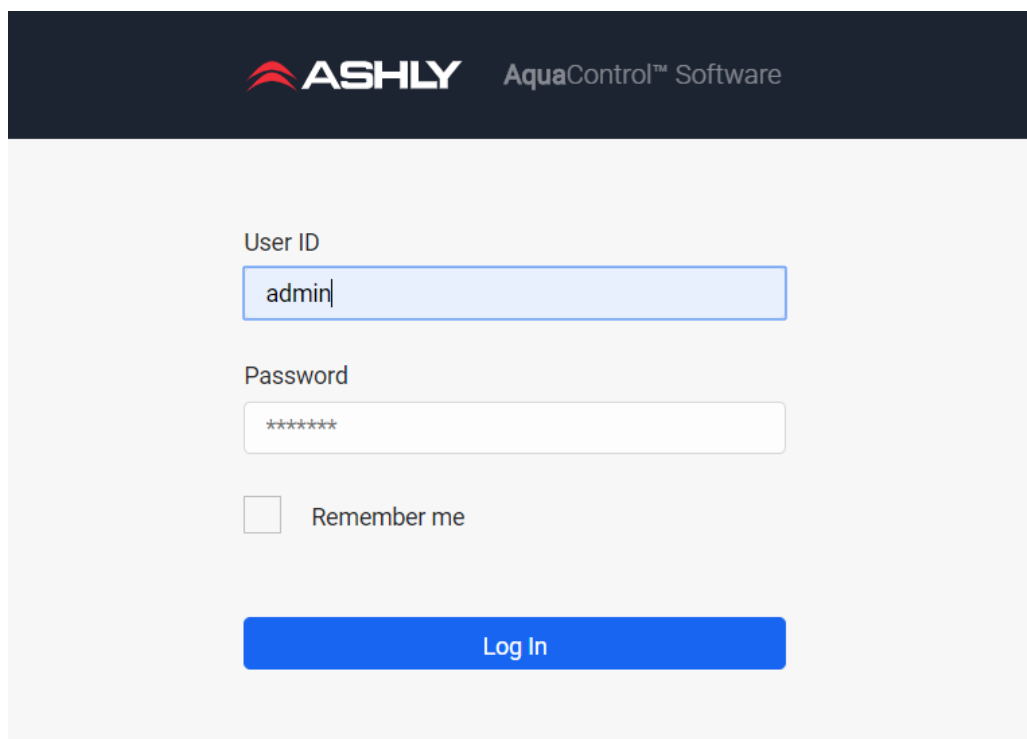
If power to the Ashly mXa-1502 device is interrupted during the update procedure, there is a risk of disabling the device. Once the firmware update procedure has begun, any interruption can leave the Ashly device in a “crippled” state.

The crippled state can occur because the firmware update routine first erases the old firmware on the Ashly device, then writes in the new firmware code. If an interruption occurs during that process, the Ashly device can be left without a valid program to function or communicate further with a computer, tablet or mobile device. If this happens, the mXa-1502 may need to be returned to the Ashly Service Department to restore the factory flash program.

AquaControl™ firmware update process.

Step 1:

Log into the mXa-1502 AquaControl™ software using an Admin role level account.



The screenshot shows the login page for Ashly AquaControl™ Software. At the top, there is a dark blue header with the Ashly logo (a red stylized 'A' followed by 'ASHLY' in white) and the text 'AquaControl™ Software' in white. Below the header, the background is light gray. The login form consists of the following elements:

- A label 'User ID' above a text input field containing the text 'admin'.
- A label 'Password' above a text input field containing seven asterisks '*****'.
- A checkbox labeled 'Remember me'.
- A blue rectangular button with the text 'Log In' in white.

Step 2: (optional but highly recommended)

Click or press **Export Settings** on the Settings -> General Settings page to backup all settings, presets, events and accounts to a file on the computer or mobile device you are using to access AquaControl™.

ASHLY®

General settings | Panels | Network | Security

Device: mXa-1502

Inputs: 8 Mic/Line Inputs, 4 Stereo Inputs

Outputs: 2 Amplifier Outputs, 2 Auxiliary Line Outputs

Firmware: 1.0.18 [Update](#)

Hardware Revision: 1.0.0

Device Name: Ashly Mixer Amp

Group: Default

Notes:

[Import Settings](#)

[Export Settings](#)

Real Time Clock

☒ Automatic Date/Time (requires internet connection)

☐ Manual Date/Time

Date / Time: 04/6/2020 11:27 AM

Step 3:

Click or press the **Update** button on the Settings -> General Settings page, to install a new firmware update file on the mXa-1502.

ASHLY®

General settings | Panels | Network | Security

Device: mXa-1502

Inputs: 8 Mic/Line Inputs, 4 Stereo Inputs

Outputs: 2 Amplifier Outputs, 2 Auxiliary Line Outputs

Firmware: 1.0.18 [Update](#)

Hardware Revision: 1.0.0

Device Name: Ashly Mixer Amp

Group: Default

Notes:

Real Time Clock

☒ Automatic Date/Time (requires internet connection)

☐ Manual Date/Time




Date / Time: 04/4/2020 02:42 PM

[Import Settings](#)

[Export Settings](#)

Step 4:

Click or press **+Firmware File** to locate the new firmware file to be installed. The file must be downloaded from the Ashly Audio website to your computer or mobile device that you are using to access AquaControl™. After you select the file click or press **Install Update** to begin the process. The firmware file will be transferred to the mXa-1502. Then it will be checked by the mXa-1502 to make sure the file was fully received and is valid. If the file is corrupt or invalid you will receive an error message stating so, and the firmware update process will be cancelled. If the file is valid then the update process will proceed. It is important that power is not interrupted to the mXa-1502 at this point, (see the **Associated risk when updating** section above).


 Dashboard Signal Chain Settings Events Diagnostics Logout
admin

Device mXa-1502

Inputs 8 Mic/Line Inputs, 4 Stereo Inputs

Outputs 2 Amplifier Outputs, 2 Auxiliary Line Outputs

Firmware: 1.0.18 Update

 Import Settings Export Settings + Firmware File

Cancel

Install Update

Default

Notes:

Real Time Clock



Automatic Date/Time (requires internet connection)



Manual Date/Time

Date / Time 04/4/2020 04:38 PM