

## 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. It is important to review the firmware revision history to determine if an update will add value to your installation.

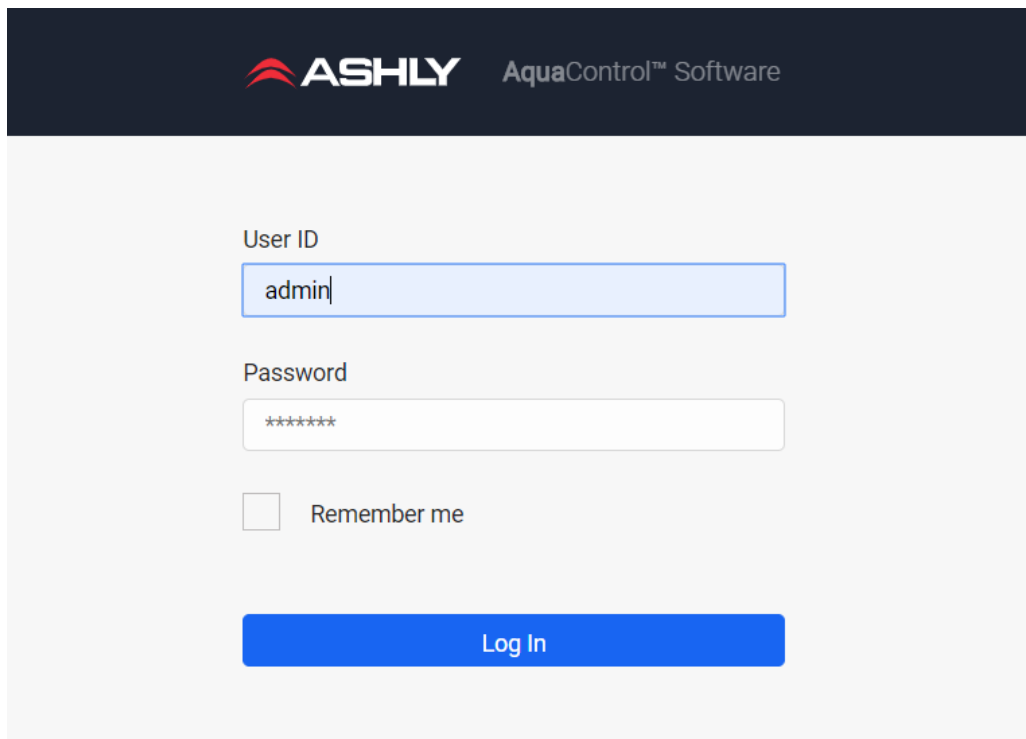
### Associated risk when updating.

If power to the mXa-1502 is interrupted during the firmware update process, there is a risk of disabling the device. Power loss during firmware update can cause files or portions of the firmware program to become corrupt, resulting in loss of function or the ability to access AquaControl. If this happens, the mXa-1502 may need to be returned to Ashly to restore the factory program. To prevent this do not remove power during firmware update. In places where power is unstable it is highly recommended that you plug the mXa-1502 into an uninterruptable power supply when updating the firmware.

### AquaControl™ firmware update process.

#### Step 1:

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



The screenshot shows the login interface for the Ashly AquaControl™ Software. At the top, there is a dark blue header with the Ashly logo and the text "AquaControl™ Software". Below the header, the login form is displayed on a light gray background. It includes a "User ID" field with the text "admin" entered, a "Password" field with seven asterisks, a "Remember me" checkbox which is currently unchecked, and a blue "Log In" button at the bottom.

**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™.

The screenshot shows the Ashly web interface. On the left is a dark sidebar with navigation options: Dashboard, Signal Chain, Settings (selected), Events, Diagnostics, and Logout admin. The main content area is titled 'General settings' and includes tabs for Panels, Network, and Security. The device information is as follows:

Device	mXa-1502
Inputs	8 Mic/Line Inputs, 4 Stereo Inputs
Outputs	2 Amplifier Outputs, 2 Auxiliary Line Outputs
Firmware:	1.0.18 <a href="#">Update</a>
Hardware Revision	1.0.0

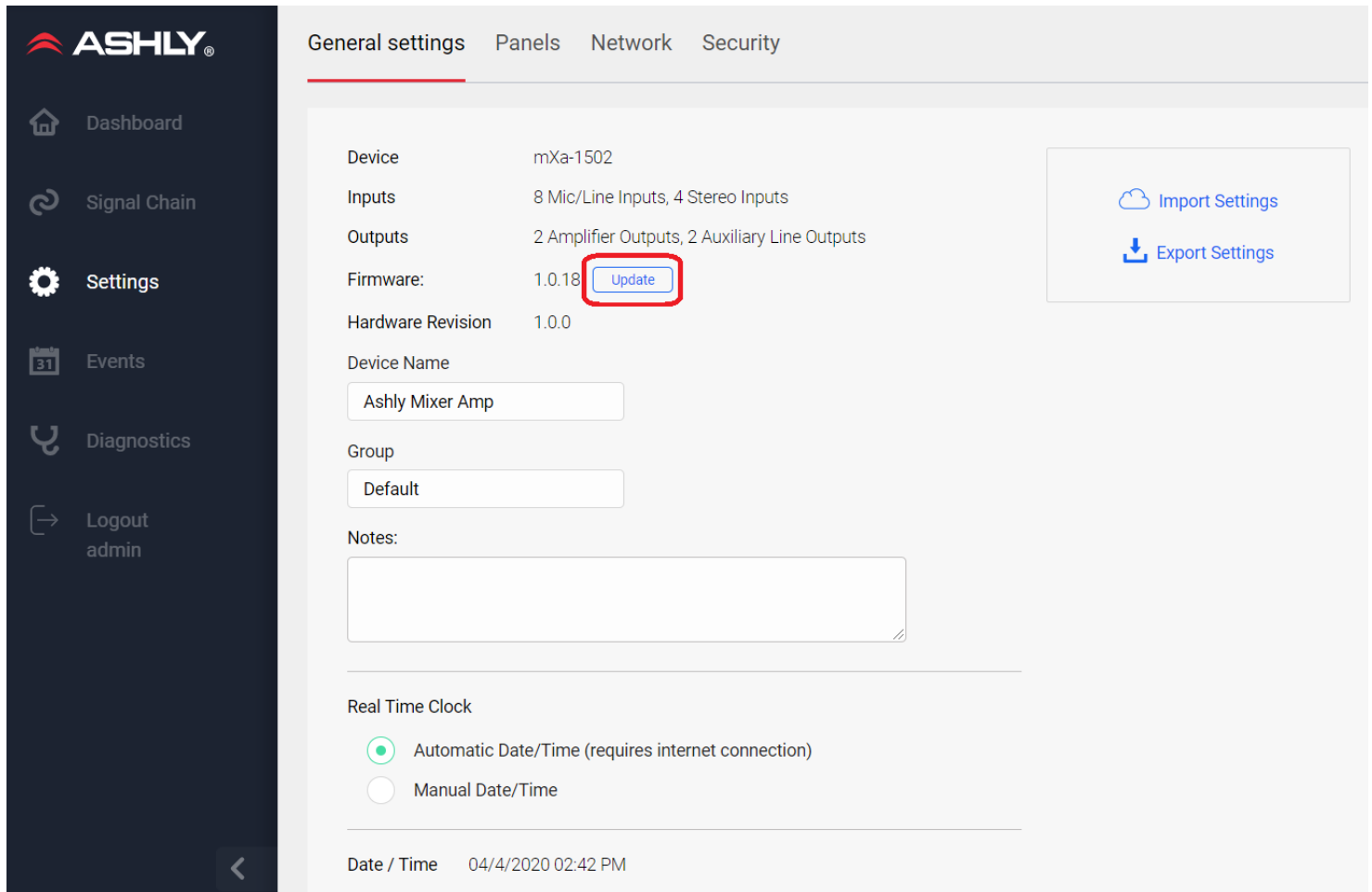
Below this is a 'Device Name' field containing 'Ashly Mixer Amp' and a 'Group' field containing 'Default'. There is also a 'Notes' text area. On the right side, there are two buttons: 'Import Settings' and 'Export Settings', with the latter being highlighted by a red rectangular box. At the bottom, the 'Real Time Clock' section has 'Automatic Date/Time (requires internet connection)' selected, and the 'Date / Time' is displayed as '04/6/2020 11:27 AM'.

**Step 3:**

Make sure the Date setting at the bottom of the page is set to today's date. The firmware update process may be cancelled if the mXa-1502's date setting is older than the new firmware file's encryption date.

#### Step 4:

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



The screenshot displays the Ashly web interface for the mXa-1502. The left sidebar contains navigation icons for Dashboard, Signal Chain, Settings (highlighted), Events, Diagnostics, and Logout (admin). The main content area is titled 'General settings' and includes the following information:

- Device: mXa-1502
- Inputs: 8 Mic/Line Inputs, 4 Stereo Inputs
- Outputs: 2 Amplifier Outputs, 2 Auxiliary Line Outputs
- Firmware: 1.0.18 (with an 'Update' button circled in red)
- Hardware Revision: 1.0.0
- Device Name: Ashly Mixer Amp
- Group: Default
- Notes: (empty text area)
- Real Time Clock:  Automatic Date/Time (requires internet connection) and  Manual Date/Time
- Date / Time: 04/4/2020 02:42 PM


On the right side of the settings page, there are two buttons: 'Import Settings' and 'Export Settings'.

#### Step 5:

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™. [Note: if your mXa-1502 has firmware lower than v1.1.6, you must install v1.1.6 before any newer version will install.] 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