

**JOYNED**

AUDIO.  
NETWORK.  
TECHNOLOGY.

# AS1-EVK Using the Web interface

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## Abstract

All versions after and including 2.4.0 will include the web based interface. While the interface will likely evolve with newer versions some basics should stay the same such as:

- logging into the device
- updating firmware
- monitoring status
- changing basic settings
- changing the Admin password

This description is based on version 2.6.0.

## Login page

This is the first page that shows after entering the host name in the browser. The factory default is a single user: **admin** with the password: **admin**.

In case the password was changed in an earlier session that password must be entered. If the password is lost the only option is to reset the device to factory defaults as described in a section below.



The screenshot shows the login interface for the AS1\_EVK device. The background is a dark purple color. On the left side, the word 'JOYNED' is written in large, bold, white letters. To its right, the text 'AUDIO. NETWORK. TECHNOLOGY.' is written in smaller, white, uppercase letters. Below this, the text 'AS1\_EVK' is displayed in white. On the right side, there is a white box containing the 'Sign in' section. It has two input fields: 'Username' and 'Password'. Below these fields is a dark purple button with the text 'Sign In' and a right-pointing arrow.

## Status Page

The status page is entered right after logging in. All the remaining pages can be accessed through the tabs on the left hand side. In order to save screen space the purple button with the 3 horizontal bars can toggle the tab pane on or off.

The status page itself shows a status for each of the 10 ports on the device. It will show 3 pieces of information:

- Link - Green will indicate that the link is up.
- Speed - this field will show the link speed when the link is up which is either 100Mb or 1G.
- gPTP - this field will indicate if the port is AS capable using a dark purple dot.

The panel below named gPTP GM shows information about the Grand Master in the system. It will show the clock ID of the selected GM. If the OUI (first 3 hex fields) is known the name of the organization will be inserted instead.

It will also show how many times the GM has changed since booting.

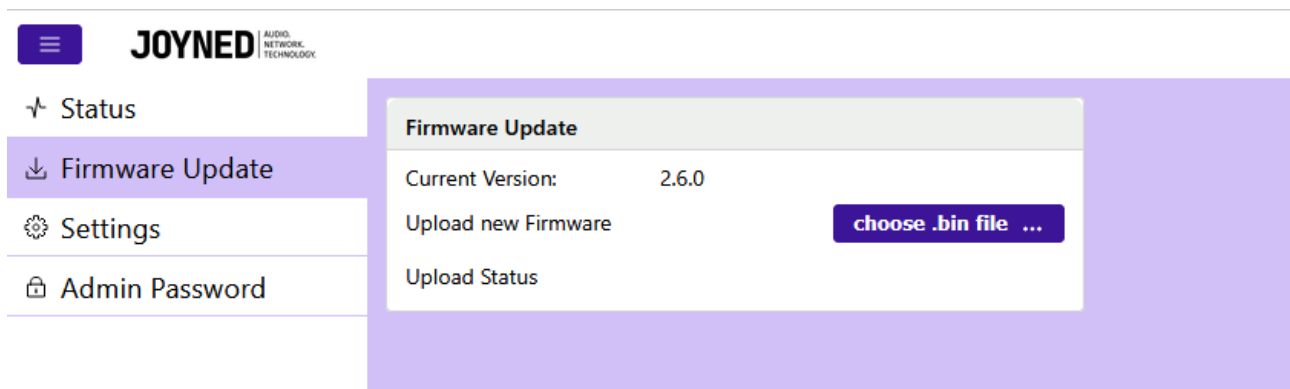


## Firmware Update page

This page provides a simple way to update the device firmware. All firmware images are signed so there is not risk of loading an illegal firmware. It will simply be rejected if it is not signed with the correct key.

The page will show the currently running firmware. This will not change after loading a different firmware. The new firmware is not activated until the device is power cycled. The Upload Status field will inform the user of the progress and to restart the device when loading is complete.

When clicking the **choose .bin file** button a file browser will be shown. Select the file to load like **as1\_evk\_2.6\_update\_image.bin** and click ok. The upload will take a few seconds and the device is ready for reboot.



After power cycling the device it will work for about 30 seconds before it will appear again, if the system is without a DHCP server it might also take a bit to assigning a link-local address. Have patience, it will appear.

## Settings

This page allows for a few settings to be changed.

- Host name (default as1\_evk)
- Priority1 (default 246)
- Identify LED (default on, Green LED)

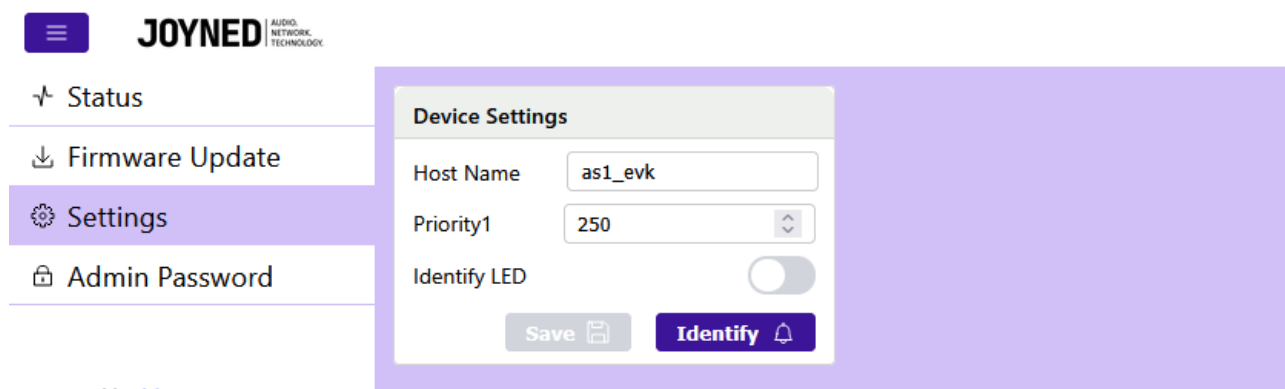
The host name is how the device is identified in the browser (unless the system allows you to find the IP address by other means). In a system with several as1\_evk's it is practical to give each a different name.

Another feature when there are multiple devices is to be able to identify the one that is being controlled. Clicking the Identify button will make the *Orange* LED on the board blink 10 times. The Identify button will be disabled while the LED is blinking.

The Identify LED is not correctly named in this version. It was the original way of identifying the device but now it is simply turning the *Green* LED on the board on and off.

The Priority1 value is primary in the determination of the best Grand Master in the system. The default for a switch is 246 and for an end-station is it 248. By changing this number down it becomes more likely that this device will become the GM for the system.

Changing the 3 settings on this page will not have any effect until Save is clicked. When save is clicked the settings are saved in flash and will be used until changed again.



## Admin Password

As mentioned above, the default admin password is admin. When changing this password field and clicking save the password will be changed. Take care to remember the password, if it is lost the only solution is to do a factory reset of the device in which case all the device settings will go back to factory default.

The screenshot displays the JOYNED web interface. On the left, a purple sidebar contains a menu with the following items: Status, Firmware Update, Settings, and Admin Password. The 'Admin Password' item is highlighted. The main content area is titled 'Change admin password' and features a 'New password' input field with masked characters (••••••) and a 'Save' button with a floppy disk icon.