# How to Update Firmware through Web Interface

EX-1520G firmware has built-in web server. It provides some configuration features (ex: video wall configuration) and an interface to update firmware.

This document provides details on how to update firmware through this web interface. The procedure is:

1. Use web browser to link to the web interface
2. Update firmware through the web interface

System requirement:

1. PC with MS Windows XP SP2 or above
2. Ethernet LAN connection with target EX-1520G

System setup: devices

## Detail Procedures:

### Use Web Browser to Link to the Web Interface

Note: Also reference to "How to Connect to Web UI" for other approach to link to the Web Interface.

1. If the PC (Windows OS) doesn't install bonjour SDK yet, please install it. Google "bonjour SDK download" for the installation file or download it here: http://developer.apple.com/opensource/
2. Configure the PC's network setting to use 169.254.xxx.xxx IP domain with subnet mask 255.255.0.0. "Default gateway" and "DNS server" can be ignored. Here is a step by step video clip http://www.youtube.com/watch?v=ojVS3-TG7uM
3. Open PC's IE web browser.
4. Click the "Bonjour" tool button on IE's tool bar. The Bonjour compatible devices will be listed on the left of IE. You should see the target EX-1520G device on the list.
5. Double click on the AST1500 target device and the web interface will show up.

### Update Firmware through the Web Interface

1.
2. Select "System" -> "Update Firmware:".
3. Click the "Choose File" button.
4. Select the firmware file for web update. The firmware files are normally named
   **webfwh.bin** for host and **webfwc.bin** for client.
5. Press "Upload" button.
6. Web update process will start. EX-1520G will go to link off state and the firmware update process may takes a few minutes.
7. Please don't close the IE page and don't power off the target AST1500 device. The AST1500 will reboot automatically when firmware update is completed.

# FAQs:

1. Can I access to the web interface without installing "Bonjour SDK"?
   Ans: Yes. You can also use the IP address of the target AST1500 device to access its web interface. The IP address can be found on the boot up screen or using debug console.
2. Can I use other web browsers than IE?
   Ans: Yes. Once you know the target device's hostname or IP address, you can access the web interface by the major web browsers on the market. For example: chrome, firefox, safari, mobile safari...
3. I can't find any AST1500 devices on the "Bonjour" list?!
   Ans: Make sure the PC's IP is in the same domain as the EX-1520G's IP setting. The default IP domain is 169.254.x.x. Try to restart IE.
4. Will the settings in the devices been erased on web firmware update?
   Ans: No. Web firmware update normally don't erase the "astparam" which are normally configured during board production.
5.