

Use this upgrade procedure only for Zone systems

Overview

This document is a detailed step-by-step for upgrading the firmware in the BAD BOY Zone Wi-Fi device. This is not a mandatory upgrade and as such, there is no requirement to upgrade. The revisions to the firmware do not change performance. The actual upgrade consists of the following steps:

- 1) Preparation
- 2) Opening the existing administration pages
- 3) Upgrading the firmware
- 4) Activating the new firmware
- 5) Verifying operation

What's Changed in Zone

General

- BAD BOY model name now appears in the browser title bar
- Minor improvements to all tabs to improve readability

Link Setup tab

- Addition of Wireless Mode selection for 'B' and 'G'. In locations of poor signal strength, using 'B' mode can improve the quality of the connection and reduce or eliminate data dropouts. Performance is not affected since most all hotspots will have an internet connection that will be only a 4-5 mbits/sec max
- WEP security type removed and is no longer available

Status tab

- WLAN (Wi-Fi) Errors count section added
- Reorganized screen, renamed some field labels

Do all of the following steps in the order presented. Avoid going back to repeat steps.

Failure to follow the steps listed below may result in your device no longer operating.

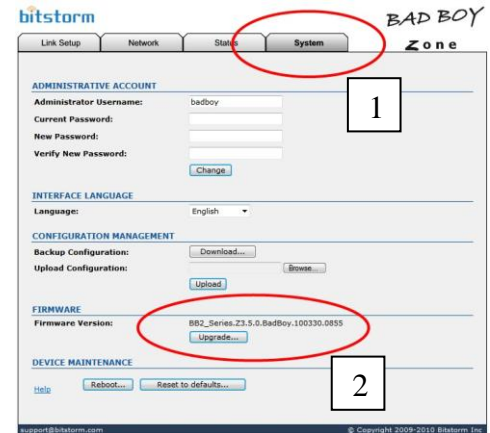
- Check off items when verified or completed.

Step 1 - Before beginning, ensure that you have:

- Access to the management screens for the Zone system.
- Firmware file - this can be downloaded from www.bitstorm.com on the **Support** tab. **Ensure that you download the correct version for your Zone.** Attempting to upgrade using a different version of firmware can result in your device becoming unusable or bricked. If this happens, you may be required to return your device to Bitstorm for firmware reinstallation.
- Latest Zone Quick Start Guide to reference after upgrading – download this from www.bitstorm.com on the **Support** tab.
- The process of upgrading firmware will disconnect the device from any clients that may be connected to it. Please ensure that all downloads or uploads have completed and all work is saved prior to doing the firmware update.

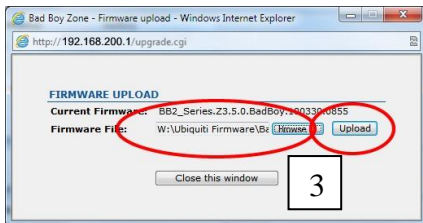
Step 2 - Open Zone management page

- Enter <http://192.168.200.1> in the address bar of a browser, login if required and navigate to the System tab. [1]



Step 3 - Upgrade the firmware

- Click 'Upgrade' in the Firmware section of the System tab. [2]
- Browse for your file and once selected, click Upload which will transfer the firmware to your device. The transfer will take a few seconds. [3]
- Review the Current Firmware Version and the Uploaded Firmware Version and ensure that you have the correct Zone firmware and that the uploaded file's version is newer. [4]
- Click 'Upgrade'. [4] A progress bar will be displayed in a upgrade browser window. On the device, you will see a single up-down sequential shifting of the signal strength LEDs. This will take several minutes to complete. You may also note Ethernet disconnects and reconnects throughout. **DO NOT POWER OFF THE DEVICE!** [5]



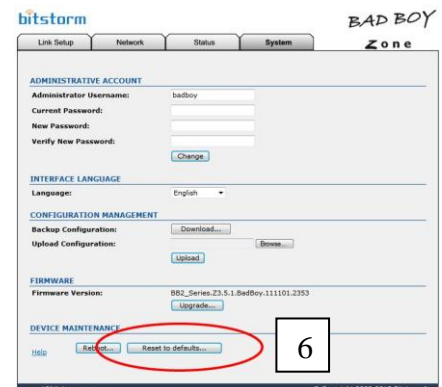
Note: If the Firmware Upgrade eventually produces a browser error and does NOT return to the BAD BOY Status tab, reconnect to the management screen. If connected via Wi-Fi, you may need to use Zone's original default network settings – SSID: **Bad Boy Zone, Access Key: **password**.**

Step 4 - Resetting your device

- Click 'Reset to Defaults' button followed by 'Yes' in the confirmation window to activate the new firmware and settings. [6] Your browser may not return to the BAD BOY Status tab and your browser may display an error.

Step 5 - Open your updated device's new management screen

- In the browser address bar, enter zone.wifi. There is no need to enter http:// in front of it. You may be asked to login. Default Username and Password are both **'badboy'** (without the quotes). The previous device administration access address of <http://192.168.200.1> is still valid and any bookmarks for it should still be usable. For operation of this firmware version, refer to the **Zone Quick Start Guide**.



Troubleshooting:

If after following the above steps, your Zone does not respond, check and do the following:

- 1) If you cannot connect to the management screens, try using all of the following browser addresses: zone.wifi, badboy.zone and http://192.168.200.1.
- 2) If the upgrade appeared to be successful and you gain access using the address http://192.168.200.1, navigate to the System tab and click the 'Reset to Defaults' button.
- 3) After ensuring that the update function has completed, power off the Zone, wait a number of seconds and then reapply power.
- 4) Contact us if you experience continued difficulty. We can be reached at 647-724-8328 between the hours of 8:30am and 5pm EST Mon-Fri.

Contact:

Bitstorm Inc.
33 University Ave.
Suite 1407
Toronto, Ontario, Canada, M5J 2S7
Phone: 1-647-724-8328 (between 8am and 5pm EST Mon – Fri)
Skye: bitstorm.inc