

Horizon Series Software Update – September 2019

(swupdate-horizon-201909101330)

New Features

In this software update, the following new features were implemented:

Discovery/ESTeem Network Software UDP Packet Support – The Horizon radios will now support UDP packet request from the Discovery and ESTeem Network Software.

Ethernet IP Keep Alive Proxy – An Ethernet “Keep Alive” proxy was added to the Horizon firmware to greatly reduce radio traffic in Ethernet IP networks requiring TCP/IP Keep Alive packets.

Factory Default IP Address – The factory default IP address will no longer be a fixed 172.16.8.1 address; it will revert to the IP address 172.16.8xx (where xx is the last two digits of the serial number). For example if the serial number of the Horizon radio is Z-25346, the factory default IP address will be 172.16.8.146.

Update Procedure

The software update will be completed in two phases. The first phase will update the radio’s “boot loader” software to the latest version and the second phase will be the radios operating software to integrate the security update and new features. To complete the software update you will need the two following update files either sent by ESTeem support or available for download from our FTP server at <ftp://ftp.esteem.com/Horizon/>

swupdate-s1s2-horizon-201909101330.img (Boot Loader Software)

swupdate-horizon-201909101330.img (Operating Software)

Phase 1 – Boot Loader Update

1. To update the boot loader software, open the Horizon radio’s web interface with any web browser and select Software Update (Figure 1). Select “Software update image file” and press the *Next* button.

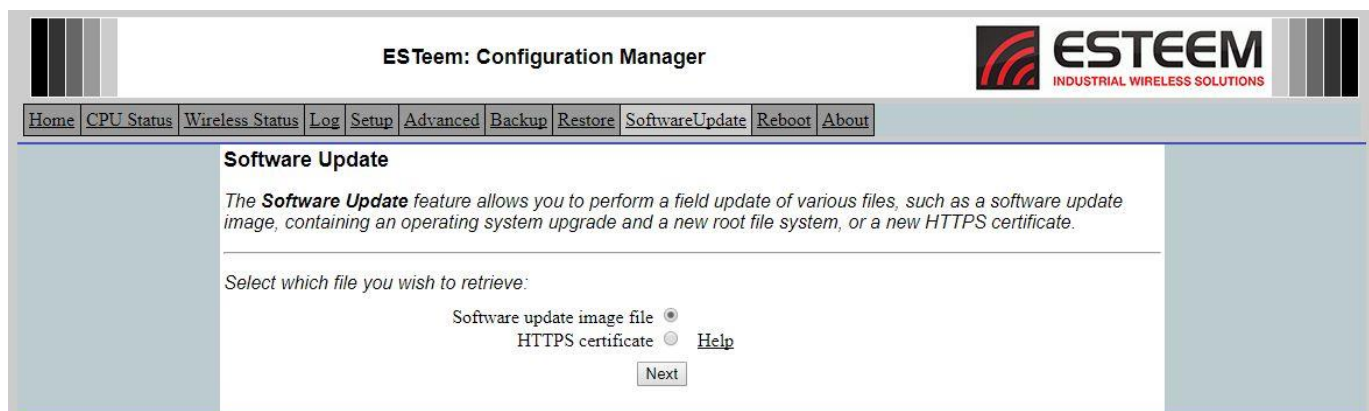


Figure 1: Software Update

2. Select “Upload via web browser” and press the *Next* button.
3. Press the *Choose File* button and select the **swupdate-s1s2-horizon-201909101330.img** file from the location it was saved on the computer. The file name will be displayed in the “software image path”. Press the *Upload File* button and Figure 2 will be displayed.

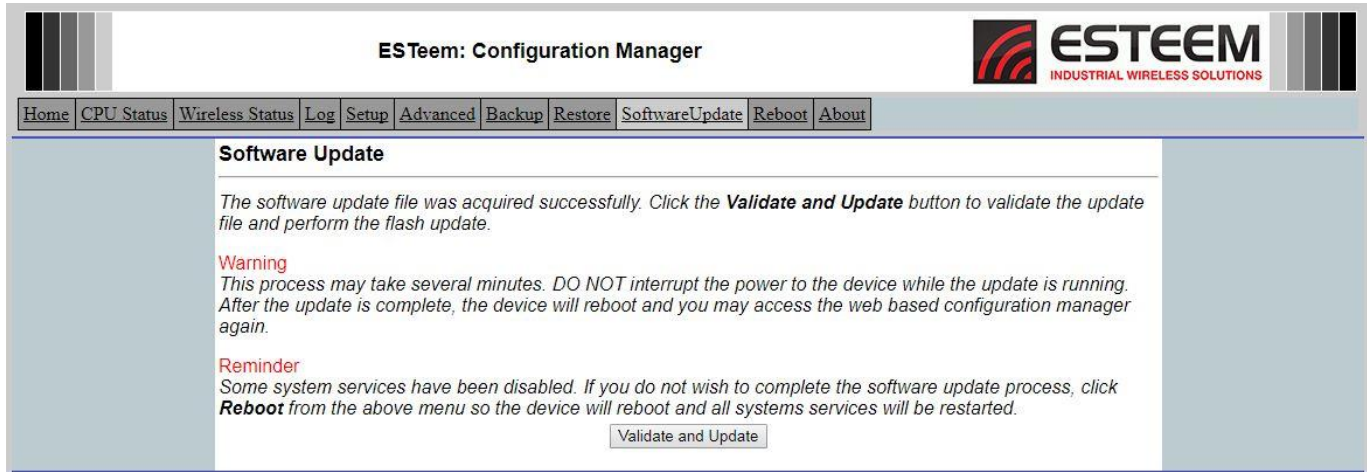


Figure 2: Validate and Update

4. Press the *Validate and Update* button to verify the integrity of the update file and complete the software update. The software update will take approximately 2 minutes to complete the update.

Phase 2 –Operating System Update

Updating the operating software is identical to updating the Boot Loader software but using the **swupdate-horizon-201909101330.img** image file.

1. To update the operating system software, open the Horizon radio's web interface with any web browser and select Software Update (Figure 1). Select "Software update image file" and press the *Next* button.
2. Select "Upload via web browser" and press the *Next* button.
3. Press the *Choose File* button and select the **swupdate-horizon-201909101330.img** file from the location it was saved on the computer. The file name will be displayed in the "software image path". Press the *Upload File* button and Figure 2 will be displayed.
4. Press the *Validate and Update* button to verify the integrity of the update file and complete the software update.

Boot Loader Update Warning

If the operating system software is updated without updating the boot loader, the software will still function but the complete security update will not be valid. A warning message (Figure 3) will be displayed on a banner at the top of the web interface in the Horizon.

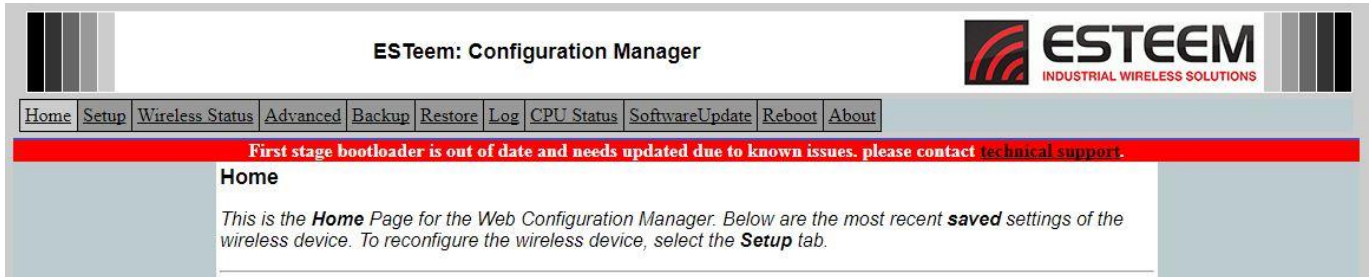


Figure 3: Boot Loader Out of Date Warning

To clear boot loader warning message simply update the boot loader software as shown in Phase 1 above the Horizon web interface will be as shown in Figure 4.

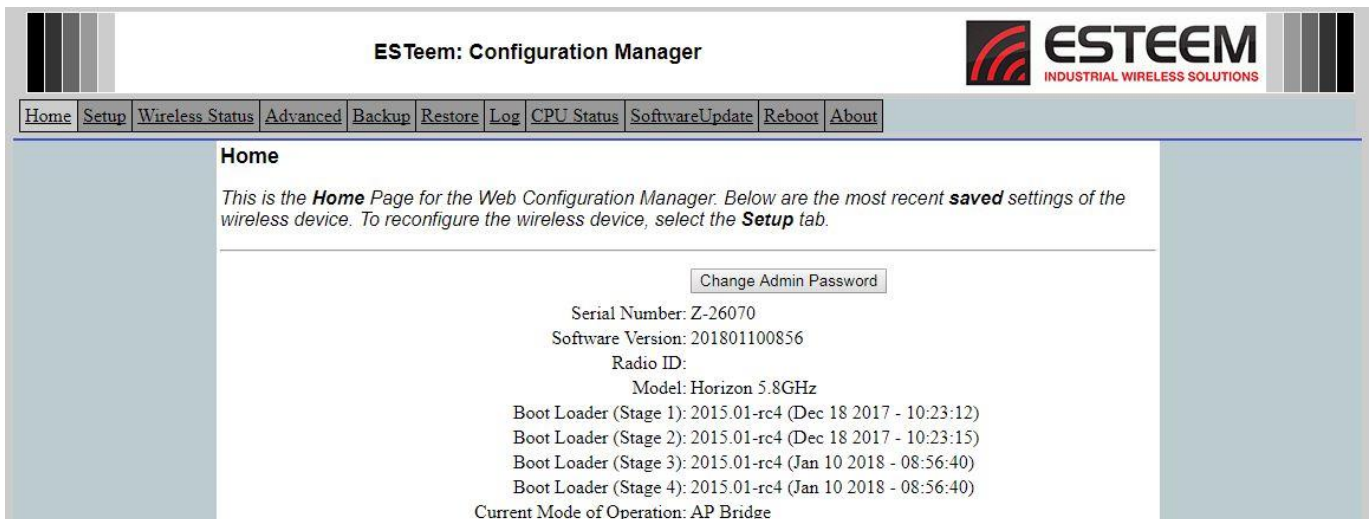


Figure 4: Boot Loader Warning Cleared