



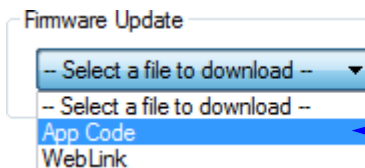
MicroHAWK Firmware Update Guide

Important: Updating firmware will overwrite the older firmware currently on the reader. Be sure that you are downloading the correct firmware for your reader and that the firmware download will not interfere with your application. Contact the Microscan Help Desk at helpdesk@microscan.com for additional assistance with firmware updates.

ESP Software's Firmware Update feature is used to download firmware to your reader. Firmware versions are specific to the MicroHAWK. Consult your sales representative before downloading and installing firmware. If necessary, firmware files will be sent to you.

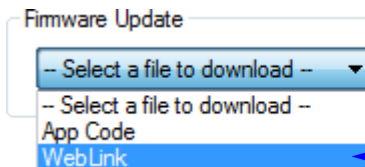
To download firmware:

1. Update **ESP Software** to the latest version. ESP can be found at these locations:
 - Microscan's public **Download Center**: <http://www.microscan.com/downloadcenter>
 - Microscan's **Partner Alliance** site: <http://partner.microscan.com/partners/microhawk>
2. Download the MicroHAWK firmware .zip file from the public Download Center or Partner Alliance site and extract its contents to the location of your choice on your PC.
3. Power-on the reader.
4. Connect the reader to ESP, navigate to **Utilities** and click the **Firmware** tab.
5. After clicking the Firmware tab, type **Ctrl+B** to locate the **Boot Code** file **MicroHAWK_Boot_Code_35-9000033-10_XX.bin** on your PC. Select the file to begin **Boot Code** installation. (XX represents the build number).
6. When Boot Code has finished installing, the reader will reboot. Once the reader has reconnected, update **App Code**.



Select **App Code** from the dropdown menu and then select the file **MicroHAWK_App_Code_35-9000034-10_XXX.vsf** from its location on your PC. Click **Start** to the right of the dropdown menu to begin installation. (XXX represents the build number.)

7. When App Code has finished installing, the reader will reboot. Once the reader has reconnected, update **WebLink**.



Select **WebLink** from the dropdown menu and then select the file **WebLink_30-9000017-01_XX.zip** from its location on your PC. Click **Start** to begin installation. (XX represents the build number.)

8. When WebLink has finished installing, cycle power to the reader.
9. Verify that firmware files have been updated by doing the following: In the **Firmware Verification** section, select Boot Code, App Code, or WebLink from the dropdown menu to the left of the **Request Part No.** button. Then click the **Request Part No.** button. The part number will appear in the field to the right of the button.
10. Your firmware is now updated and you can connect to WebLink.