



MS-2 Firmware Update Guide

A screenshot of the MS-2 Firmware Update software interface. The window has two tabs: "Differences" and "Firmware", with "Firmware" being the active tab. The interface is divided into two main sections. The top section, titled "Firmware Update", contains a dropdown menu with the text "-- Select a file to download --" and a "Start..." button. The bottom section, titled "Firmware Verification", contains a dropdown menu with the text "-- Select the firmware --", a "Request Part No." label, and an empty text input field.

Firmware Update is used to download application code to the reader. Application code versions are specific to your reader. Consult with your sales representative before downloading application code. If needed, application code will be sent to you.

To download application code:

1. Be sure that the reader is connected to the host computer.
2. Apply power to the reader.
3. In the **Firmware Update** dropdown menu, select **App Code** and then click the **Start** button. This will open a dialog that allows you to browse for the application code file.
4. Navigate to where the application code file (**31-000056-XX.bin**) is located on your host computer and select the file.
5. Allow approximately a minute for firmware to download.

As the application code begins to download, the reader will be silent, the LEDs will flash intermittently, and a progress indicator at the bottom of the ESP window will show when the download is complete.

6. Verify that application code has been updated.

Caution: Do not interrupt power or disconnect the host cable while download is in progress.

Firmware Verification

ESP allows you to send a request to the MS-2 for the application code part number.

1. Click the **Firmware** tab.
2. From the dropdown menu to the left of the **Request Part No.** button, select **App Code**.
3. The application code part number will be displayed in the text field to the right of the **Request Part No.** button.

The screenshot shows a software interface with two tabs: "Differences" and "Firmware". The "Firmware" tab is selected. Below the tabs, there are two main sections. The first section, titled "Firmware Update", contains a dropdown menu with the text "-- Select a file to download --" and a "Start..." button. The second section, titled "Firmware Verification", is highlighted with a blue border and contains a dropdown menu with the text "-- Select the firmware --", a "Request Part No." button, and an empty text input field to the right of the button.