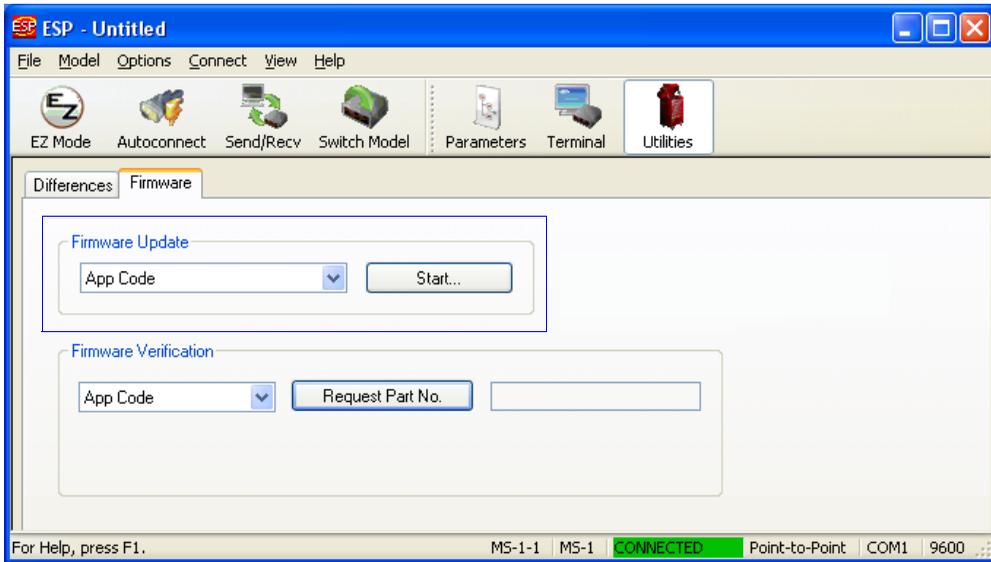




# MS-1 Firmware Update Guide



**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.
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

## Request Part Number by ESP

ESP allows you to send a request to the MS-1 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.

