Updating M7 Software Procedure

Revision 0.02

Description:

   This document describes a method to Load a new Software version
into the M7 modem.

   The process uses a file that is downloaded from the Internet and
also the web page built into the M7 modem.

**WARNING: This procedure takes less then 10 minutes, but
customer traffic will be interrupted during the Update.**

Required Equipment:

1. A PC with a Connection to the Internet.

Required Software:

1. M7_Current_Software.7z

Downloadable from:

http://modem.datum-direct.com/M7/M7_Current_Software.7z

Optional Software:

M7 Manual

http://modem.datum-direct.com/M7/M7_CD_Manual.7z
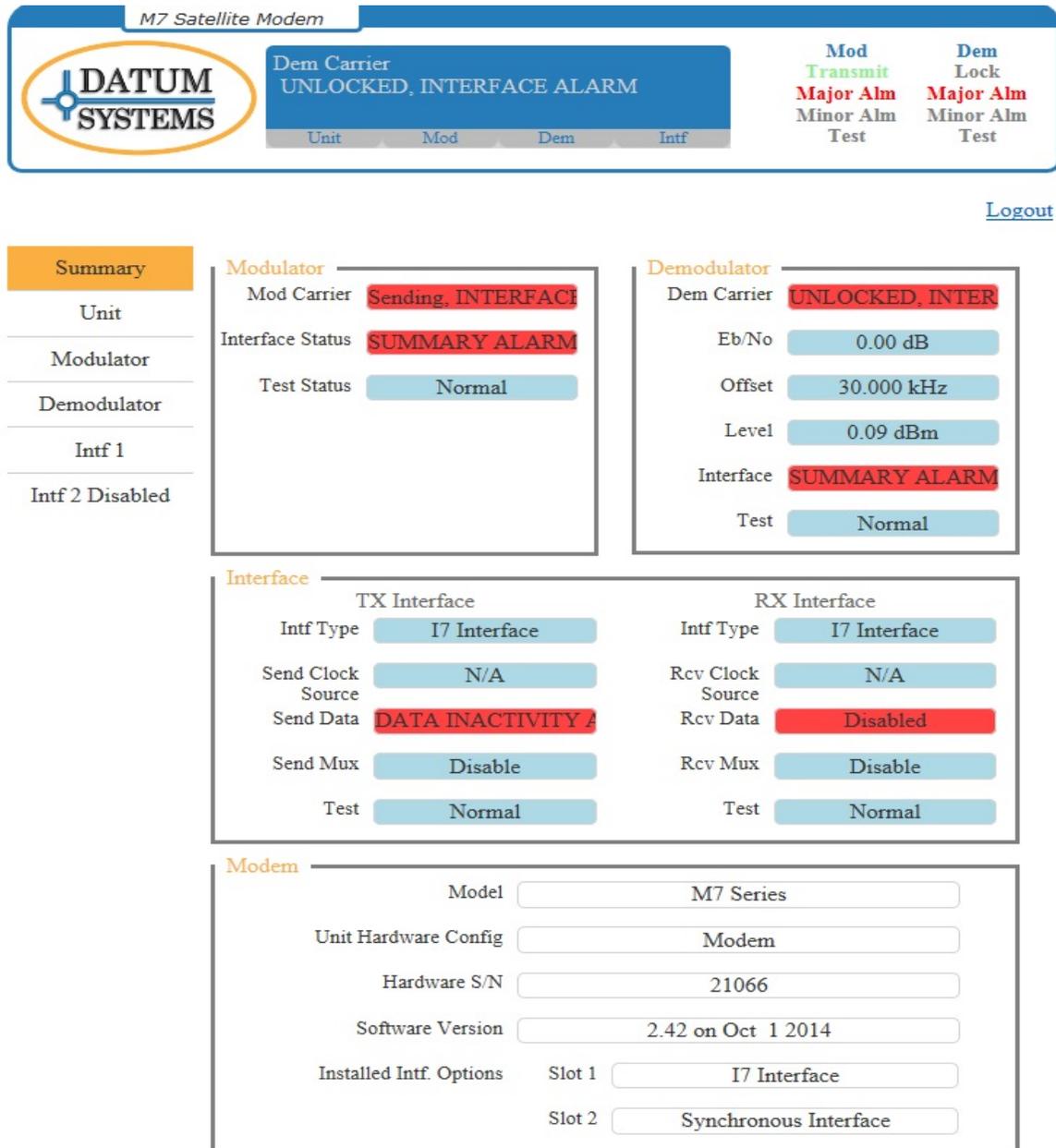
Procedure:

1.   Download the required software.

2.   Unzip the file. This will create a file with a .m7f name. Make
      a note of where this file is on your computer.

3.   Make sure the modem is connected to your network/computer using
      a ethernet cable from J4 the IP CONTROL port located to the left
      of the two DB9 connectors.

4.   If you are unsure about the M7 web page address, press the UNIT
      button and then the right arrow key until you see the words IP
      CONTROL in the upper left corner of the LCD Display.

5.   Use the down arrow key until the top line of text shows IP
CONTROL ADDRESS.

6.   The bottom line displays the modem web page address. If this
does not match your network, please set the address to work on your
network.

7.   Type this address into a web browser.

**NOTE: The Internet Explorer causes some errors. Please use
Chrome, or FireFox as we work to correct Internet Explorer.**

8.   Log into the Web page, using:
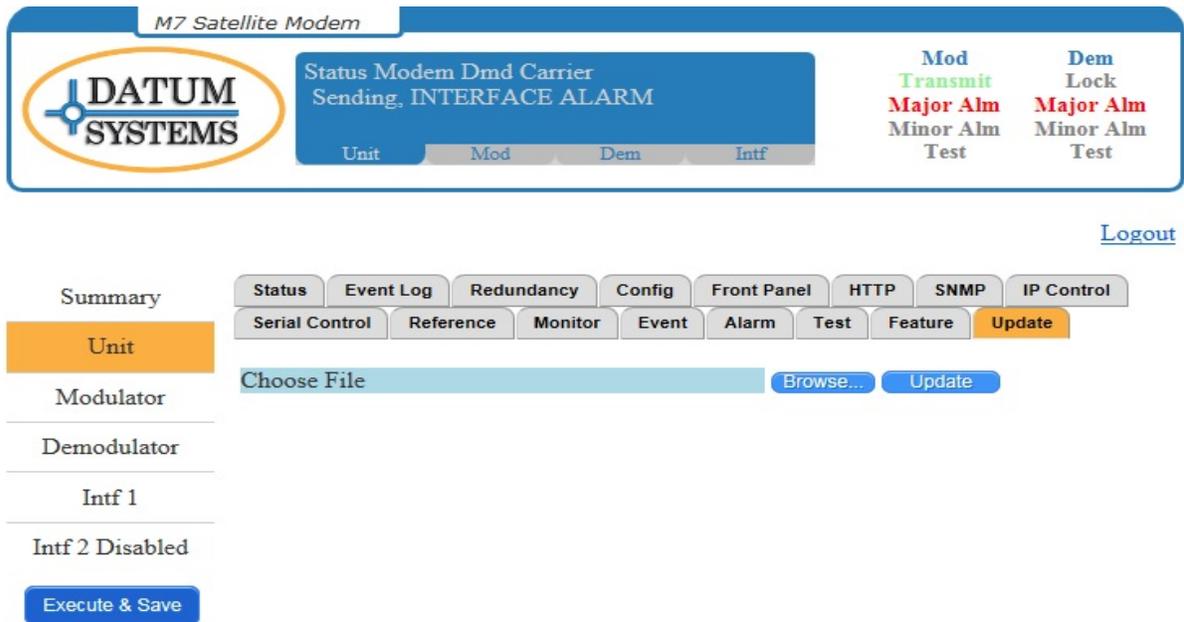
      User name: Admin

      User Password: Datum

Figure 1

4.   Opening Web page will resemble figure 1, except the actual data
      and alarms may be different, depending on the modem settings.

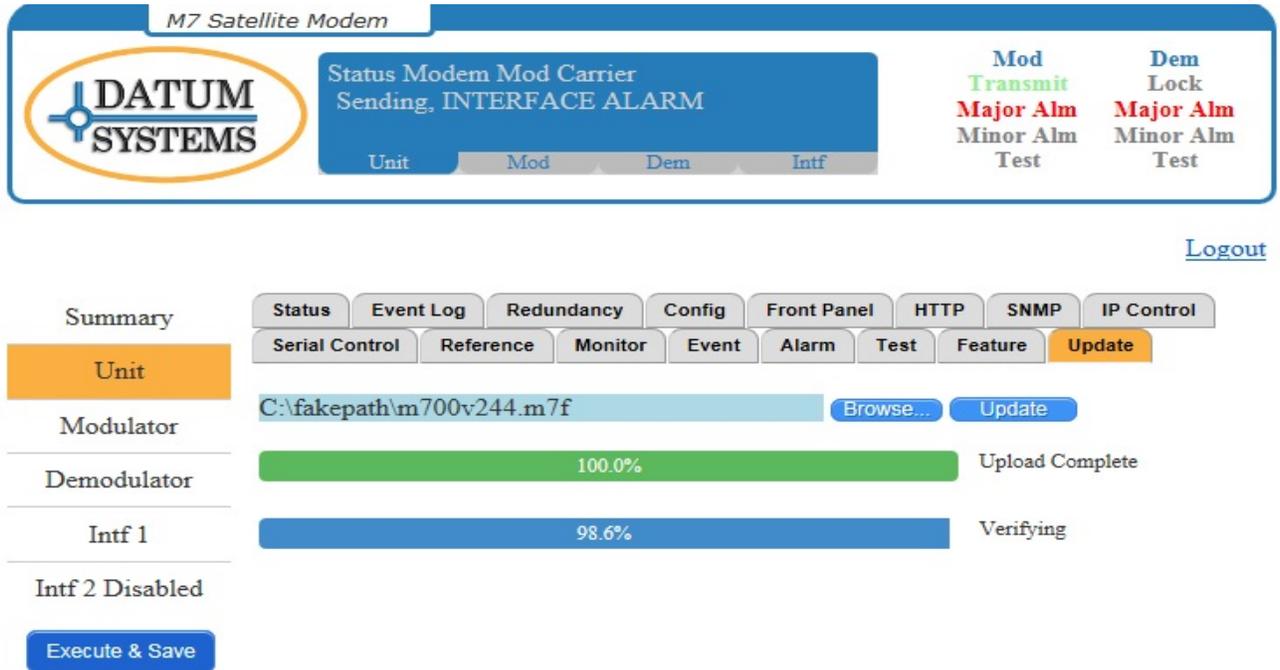5. Click on the UNIT button on the left side of the web page.

Figure 2

6. Click on the Update tab and you will see the web page shown in Figure 2.

7. Click on the BROWSE button and then select the .m7f file that you downloaded in step 2.
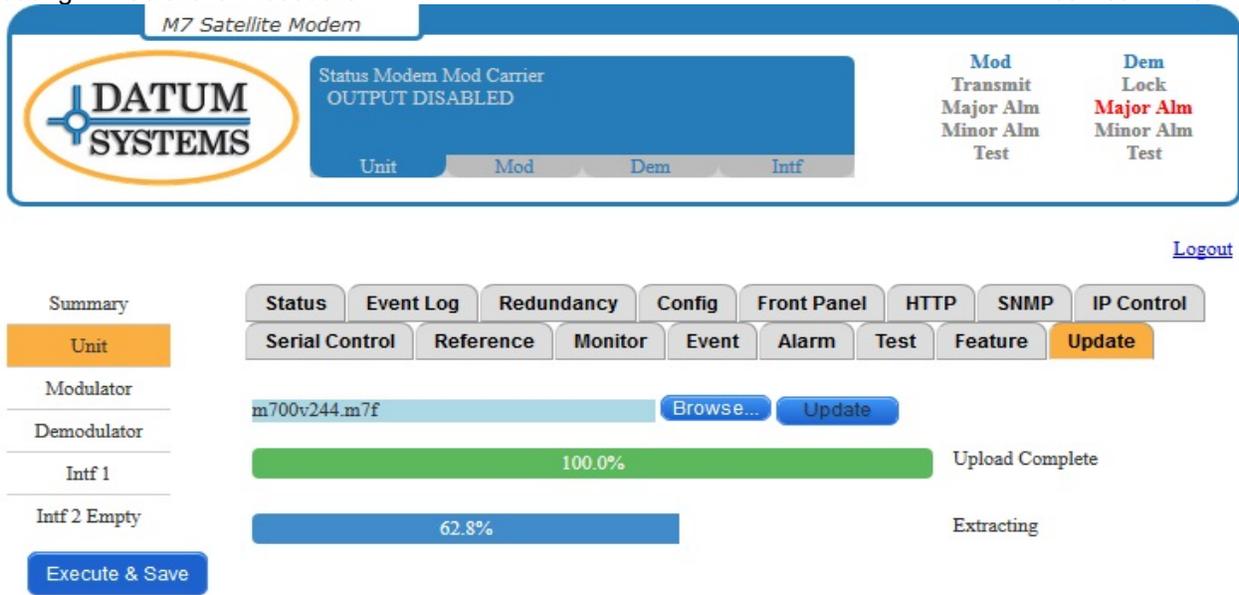
8. When you click on the Update Button, the modem will upload the file from your computer and then verify the file as shown in Figure 3

Figure 3

9.   Next, the modem will extract the file as shown in Figure 4.

Figure 4

NOTE: The Extraction process takes about 2 minutes, and it slows down a lot when it is above 95 %

The instant the extraction is complete, the modem will reboot itself with the new software version.

The reboot causes the Browser to show the Login Screen. This is normal.

UPDATE IS FINISHED.

Updating very early M7 Modem Software:

NOTE: The early software versions, before version 2.33, did not have the web interface software updating function.   It is necessary to update these early ones in a different way.

Required Software:

1. M7_Current_Software.7z

Downloadable from:

http://modem.datum-direct.com/M7/M7_Current_Software.7z

2. M7 Installer

http://modem.datum-direct.com/M7/M7_Installer.7z

Required Hardware:

1.   Phillipd head Screwdriver

2.   MicroSD flash to USB card reader.

Procedure:

1.   Download the required software.

2.   Unzip the M7_Installer.7z file.

3.   Unzip the M7_Current_Software.7z file.

4.   Place the .m7f file into the folder that the M7_Installer created.

NOTE: This folder has a boot.bin file that was created when the m7_installer was unzipped.   Make sure you copy the .m7f into the correct folder.

5.   Make sure the modem is connected to your network/computer using a ethernet cable from J4 the IP CONTROL port located to the left of the two DB9 connectors.

4.   If you are unsure about the M7 web page address, press the UNIT button and then the right arrow key until you see the words IP CONTROL in the upper left corner of the LCD Display.

5.   Use the down arrow key until the top line of text shows IP CONTROL ADDRESS.

6.   The bottom line displays the modem web page address. If this does not match your network, please set the address to work on your