

# tN4 Gateway 482

## Software Update

A new software version of the tN4 Gateway 482 has been released. The 482 has the ability to have its software updated in the field. Please follow this procedure to update the 482 software.

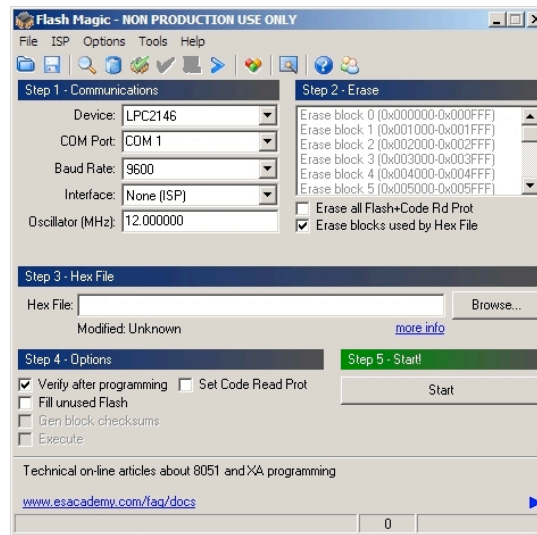
### Requirements

- tN4 Gateway 482
- Computer with Microsoft Windows or an Apple Mac capable of running Windows either through Apple Boot Camp or using a virtual machine such as Parallels
- Serial port or a USB-to-Serial converter (available from a computer store)

### Directions

1. Download and install the Flash Magic programming software on to the computer.  
<http://www.flashmagictool.com/download.html&d=FlashMagic.exe>
2. Connect the 482 to the computer with the Flash Magic software installed on it. The 482 has an RJ45 port. Connect a Category 5 cable to the 482's RJ45 port. Connect the other end of the cable to the RJ45-to-Serial converter supplied with the 482. Connect the RJ45-to-Serial converter to the computer's serial port OR to the USB-to-Serial converter.
3. Power off the 482.
4. Power on the 482 while pressing the test button. Release the test button once the Power and Tx LED are on.
5. Download the software and Flash Magic settings ZIP file on to the computer.  
[http://www.tekmarcontrols.com/extra/482\\_UpdateB.zip](http://www.tekmarcontrols.com/extra/482_UpdateB.zip)
6. Unzip the file and copy the two files on the desktop.
7. Open the Flash Magic Software and load the "482\_flash\_magic.fms" settings file. (File -> Open Settings -> Desktop)
8. In the area labeled "Step 1" of the Flash Magic software change the "COM Port" to the port that the 482 is connected to. (If a USB-to-Serial converter is used, Start -> Settings -> Control Panel -> System -> Hardware -> Device Manager. Under "Ports", determine the COM Port used by the USB-to-Serial device.)

9. In the area labeled "Step 3" of the Flash Magic software click on the "Browse" button and locate the 482 software (101702\_J1196B.hex) on the desktop of the computer.
10. Click "Start" in the bottom right hand corner of the Flash Magic software. During programming, the Tx and Rx LED will flicker rapidly. Wait for Flash Magic to say that the programming is "Finished". Do not turn off the computer, the 482 or disconnect the 482 from the computer while the update is in progress.
11. Power off the 482 and disconnect it from the computer.



The 482 will now have the new software version.

If you experience any difficulties updating the control in the field, the control can be updated by tekmar. Please contact your local tekmar wholesaler for the repair procedure.

#### 482 Software changes in version J1196B

The update corrects an issue that occurs when the HVAC system is in Warm Weather Shut Down (WWSD) or when a Cool Group Master thermostat is actively cooling. During these energy saving operations, the 482 reports the thermostat heating temperature setpoint as 40 degrees Fahrenheit or 4.5 degrees Celsius. The new J1196B software corrects this so that the heating setpoint last set by the user is reported.

Sincerely,

Jay Vath

tekmar Control Systems Ltd.