

Thermal 3 Head

Firmware Installation Procedure

Document Number
719-00706A-EN-B

20 Oct 2006

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Revision History

Revision	Date	Author	Comments
1.0 Draft	20 Oct 2005	Kurt Shelton Ken DeCarle	Initial draft
719-00706A-A	27 Jun 2006	Kurt Shelton Maureen Munroe	Added part number for release. Minor edits throughout.
A-B	20 Oct 2006	MMunroe	Updated screen shots

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CONTENTS

Revision History i

1. System Requirements 1

2. Related Documents 1

3. Installing or Upgrading Firmware with Service Shell 1

4. Installation/Upgrade Procedure 2

1. SYSTEM REQUIREMENTS

- Service Shell must be loaded on the laptop (*both host and client*). See "Related Documents" for the Service Shell Quick Start Guide.
- Service Shell must be configured to correctly communicate with an MCE- or GMCE-controlled device.

You must be familiar with the basic Service Shell screens.

2. RELATED DOCUMENTS

- Service Shell V2.X Program Installer: available from the Service Shell site on TechPlanet (http://techplanet.creo.com/output/service_tools/service_shell/nav/v2-x/index.htm)
- Service Shell V2.X Quick Start Guide: available from the Service Shell site on TechPlanet (http://techplanet.creo.com/output/service_tools/service_shell/nav/v2-x/index.htm)
- Thermal 3 firmware: available from the Thermal 3 Downloads page on TechPlanet (http://techplanet.creo.com/output/heads/thermal_2/nav/downloads.htm).

WARNING: Contact your PSS before upgrading head firmware.

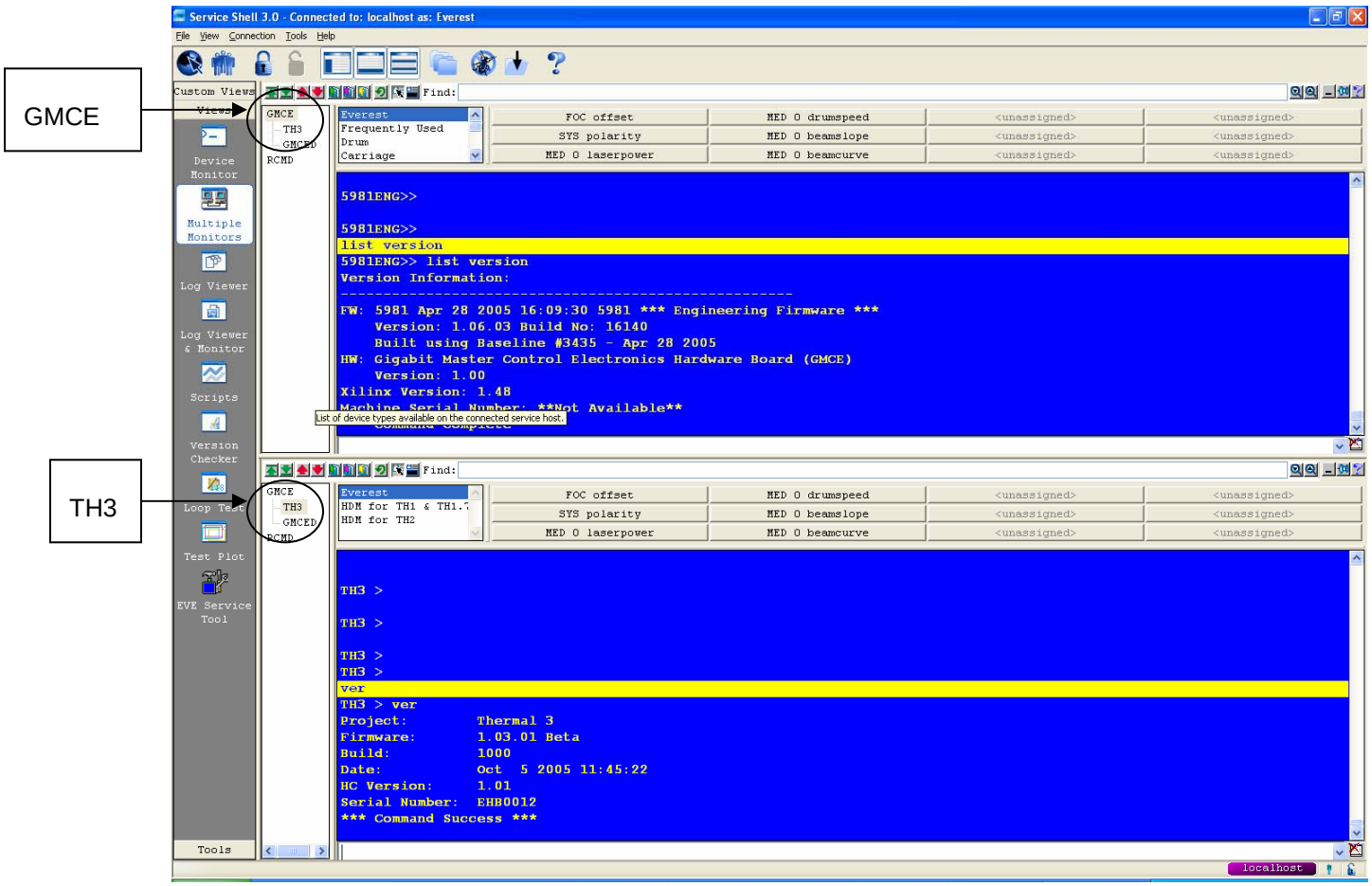
3. INSTALLING OR UPGRADING FIRMWARE WITH SERVICE SHELL

- Service Shell can install and upgrade firmware for the head, MCE/GMCE, Xilinx, boot, or head module.
- Service Shell allows you to download device firmware by typing **`download <filename>`** in the Device Monitor, or by running **`FirmwareUpgrade.spt`** with the Scripts tool.

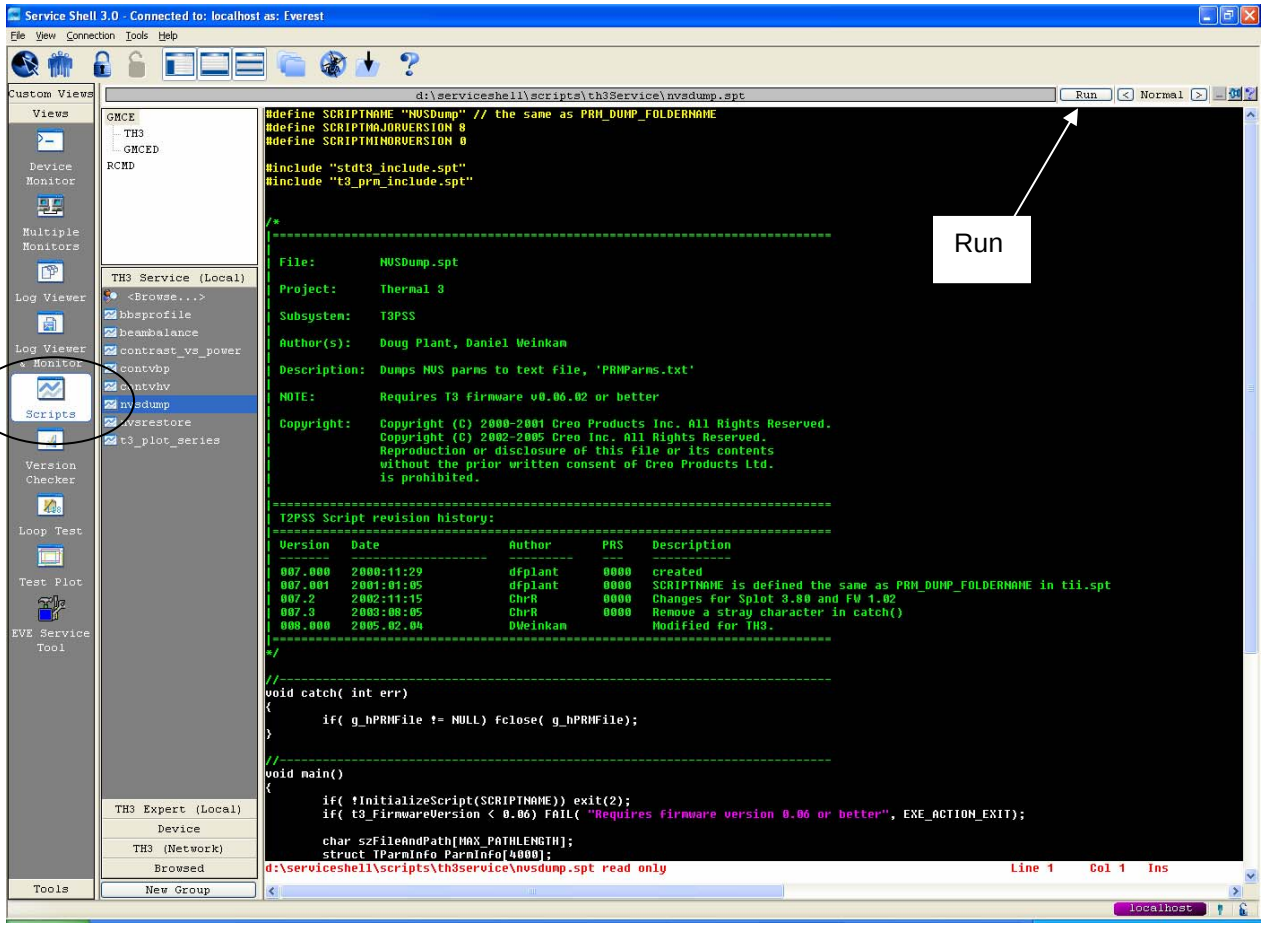
Service Shell uses the file name to identify the different commands and download parameters involved in the download process. Service Shell automatically executes them.

4. INSTALLATION AND UPGRADE PROCEDURE

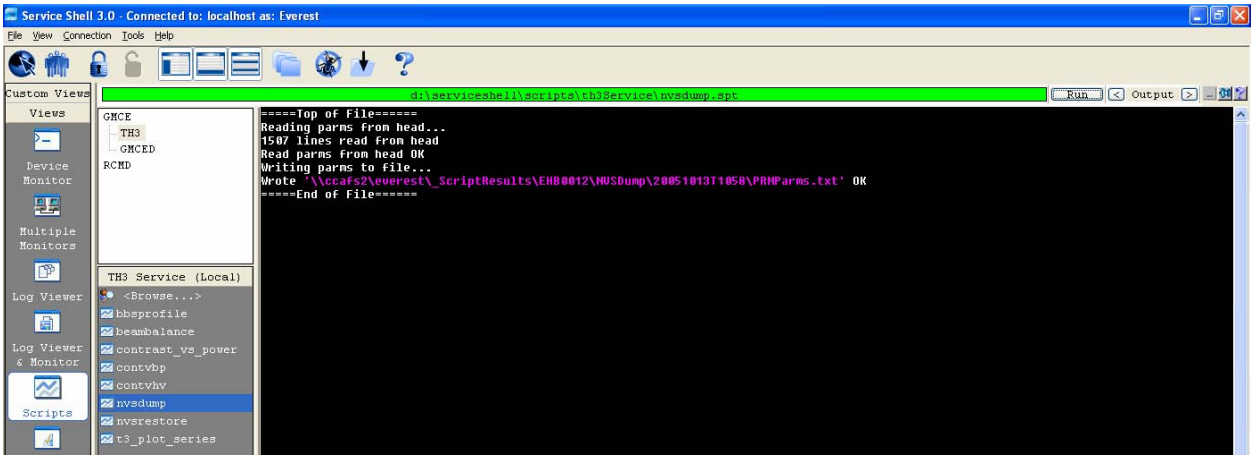
1. On the device workstation, start Service Shell.
2. From the **Views** menu, select **Multiple Monitors**.
3. Select **GMCE** and type `list version`. The current firmware version and build number appear. See the screen shot below, upper window.
4. Select and type `ver`. The current HC version and head serial number appear. See the screen shot below, lower window.



5. From the **Views** menu, select **Scripts**.
6. From the **TH3 Service (Local)** menu, select **nvsdump**.

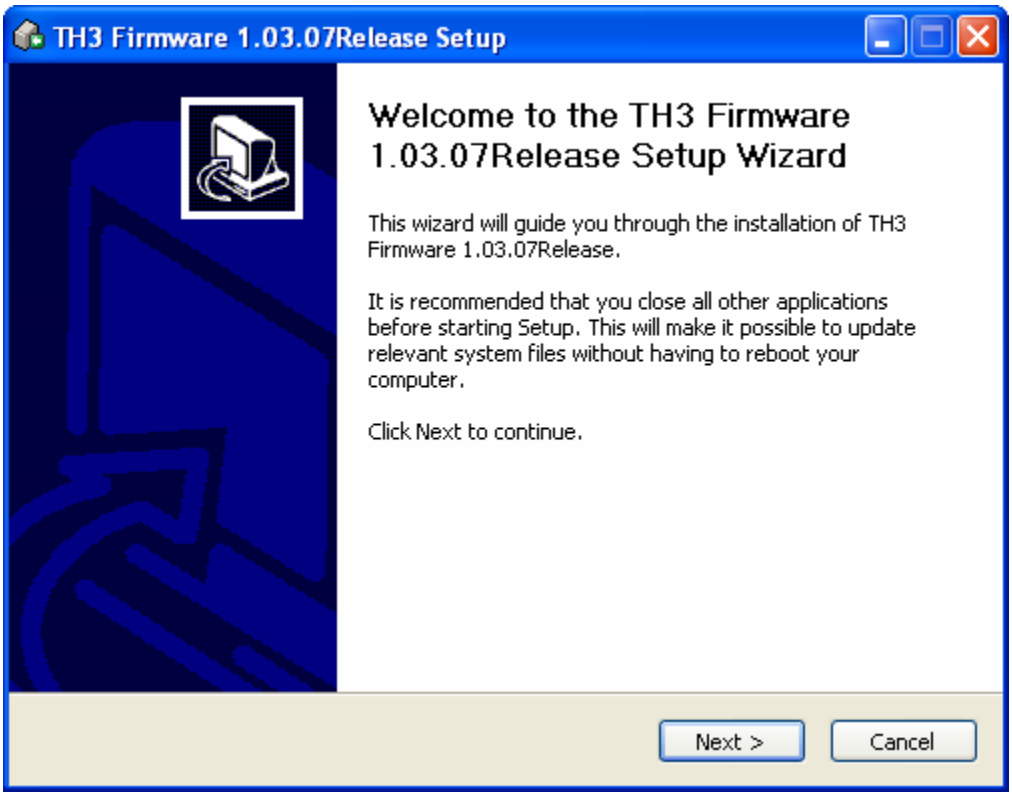


7. Click **Run**.
   The **nvsdump.spt** script records the current parameters and writes the script results to the local script results folder on the data drive.



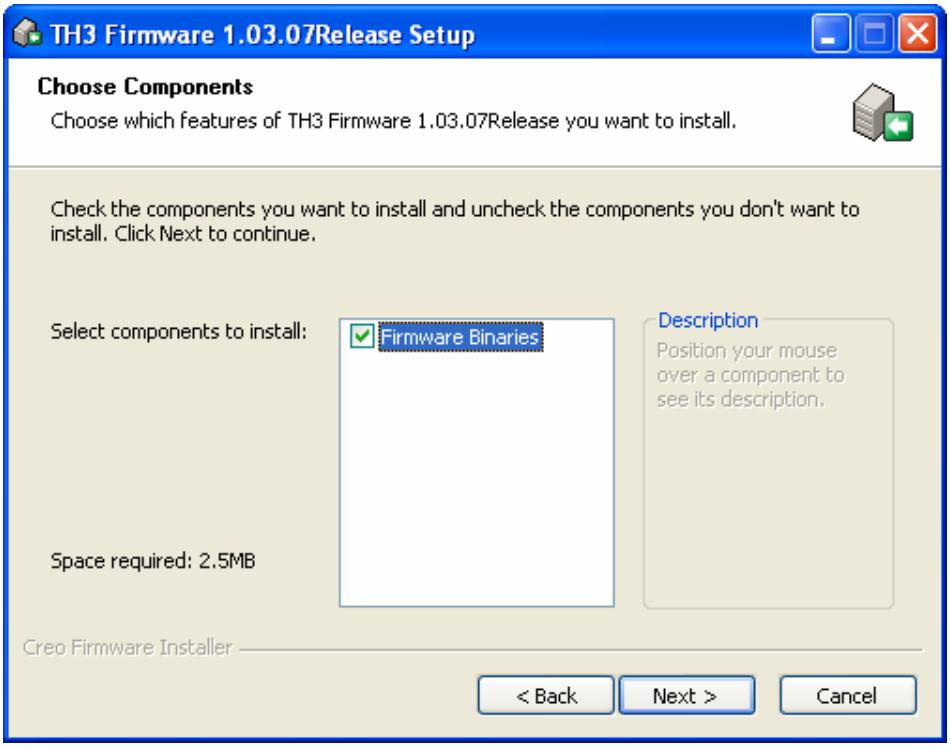
8. Browse to the .exe file for the firmware version that you want to install. *For example*, TH3 Firmware1.03.01Beta.exe.

9. Double-click the .exe file to open the TH3 Firmware Setup Wizard (shown below).

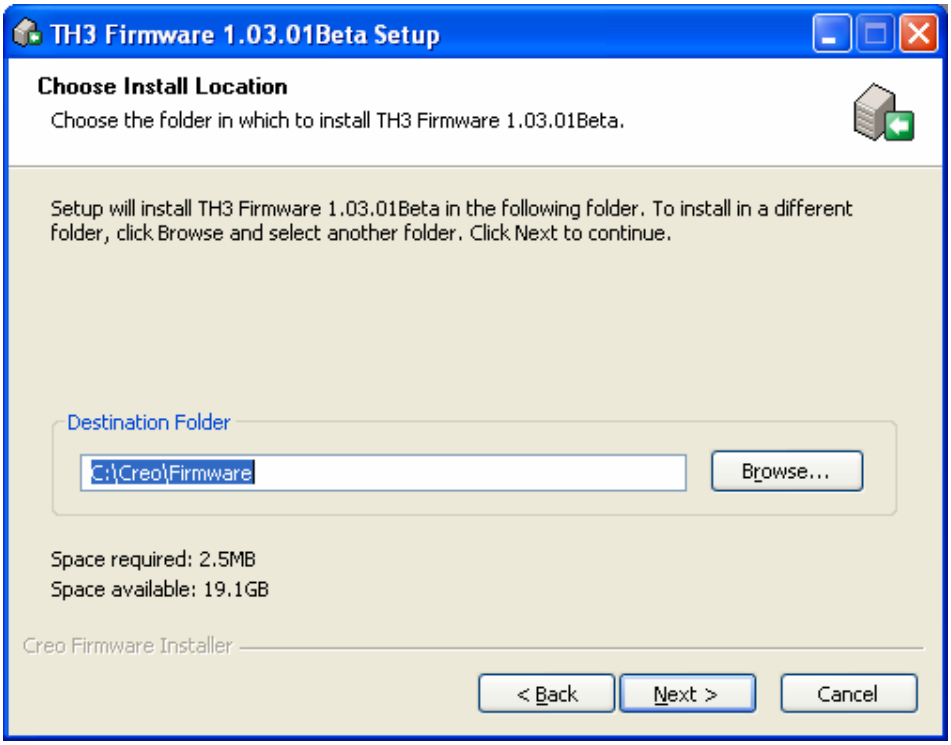


10. Click **Next**.

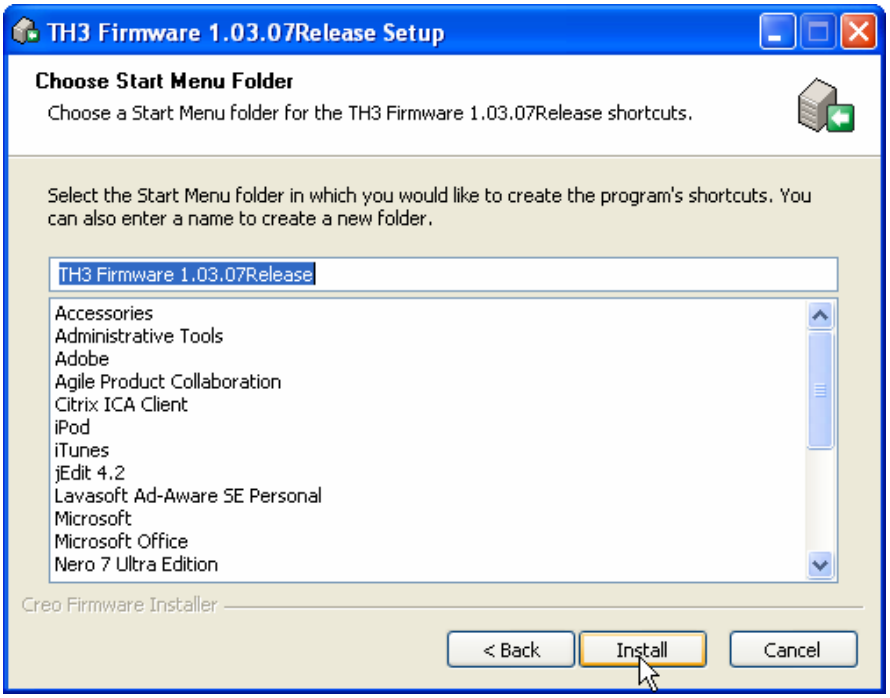
11. Select the components you want to install.



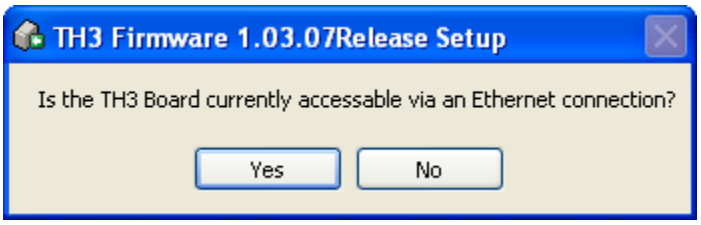
12. Click **Next**.
13. Choose the **Install Location**. The default Destination Folder is C:\Creo\Firmware.



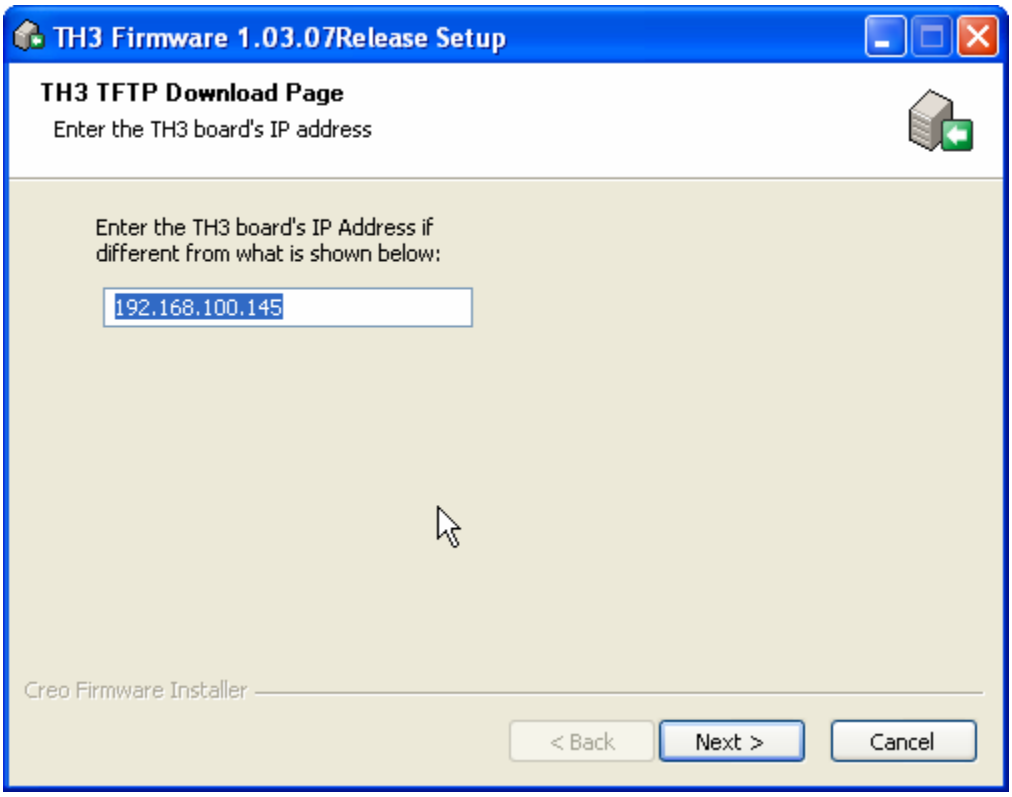
14. Click **Next**.
15. Choose the **Start Menu Folder**.



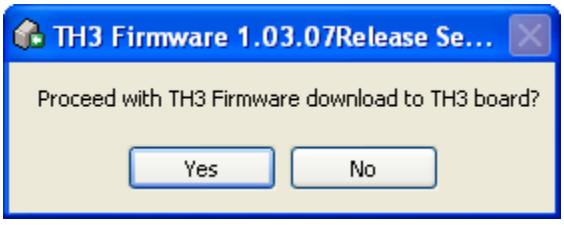
16. Click **Install**.
    The following prompt will appear.



17. Click **Yes**.
18. The TH3 TFTP Download Page dialog box appears. Normally, the IP address that boot P assigns to the GMCE and head is 192.166.100.145.

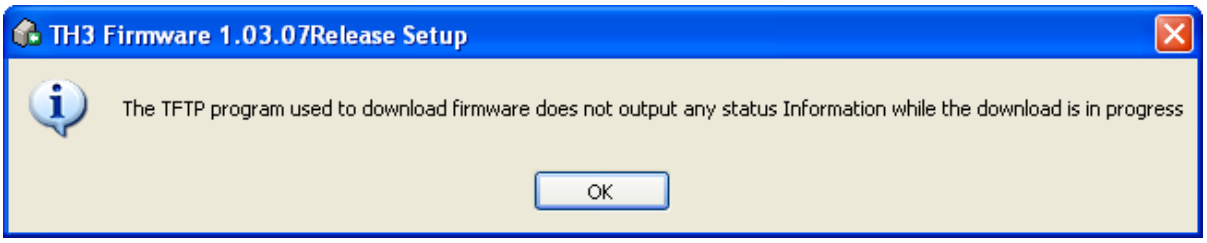


19. Click **Next**.
    The following prompt appears.



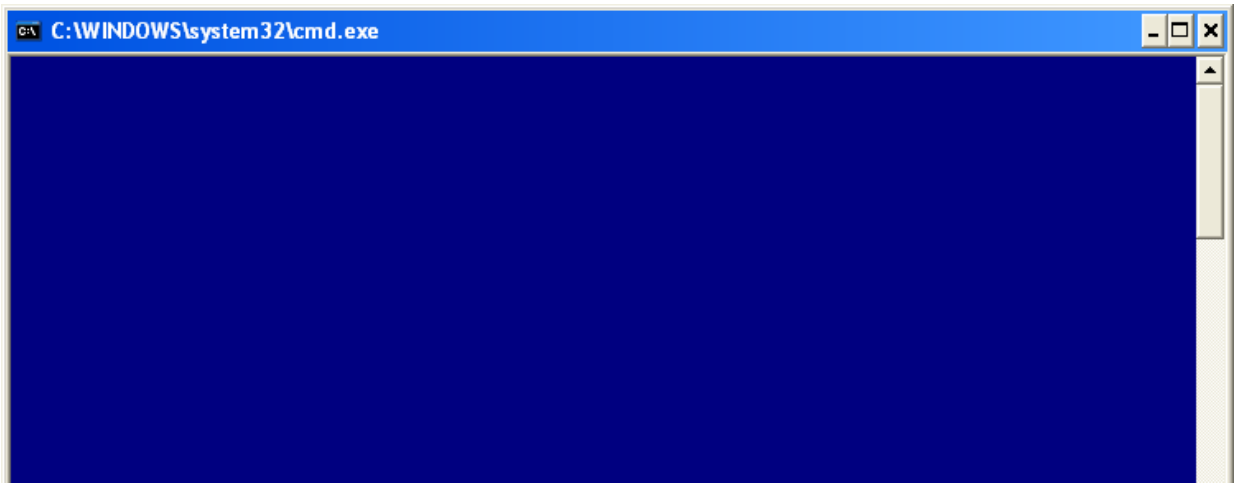
20. Click **Yes**.

21. The following message appears.

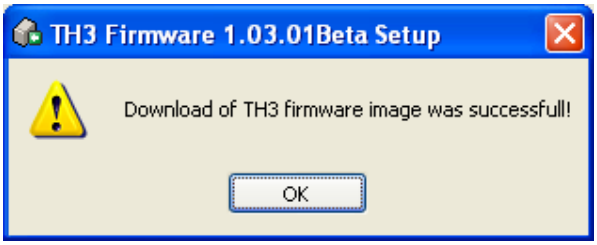


22. Click **OK**.

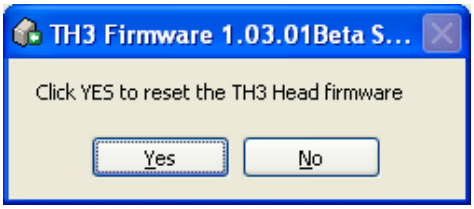
23. The following `cmd` window appears as the firmware is downloaded.



24. When the firmware is finished downloading, the following message appears.

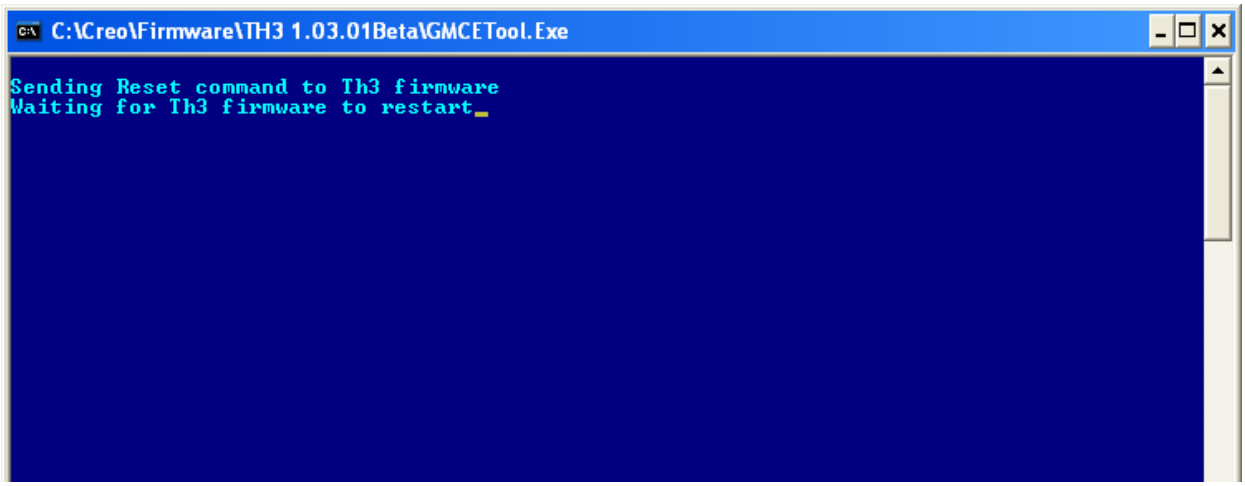


25. Click **OK**.
    The following prompt appears.

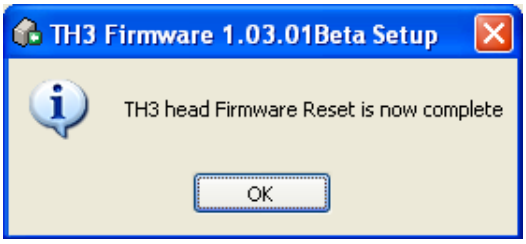


26. Click **Yes**.

27. The following cmd window appears as the head firmware is reset.

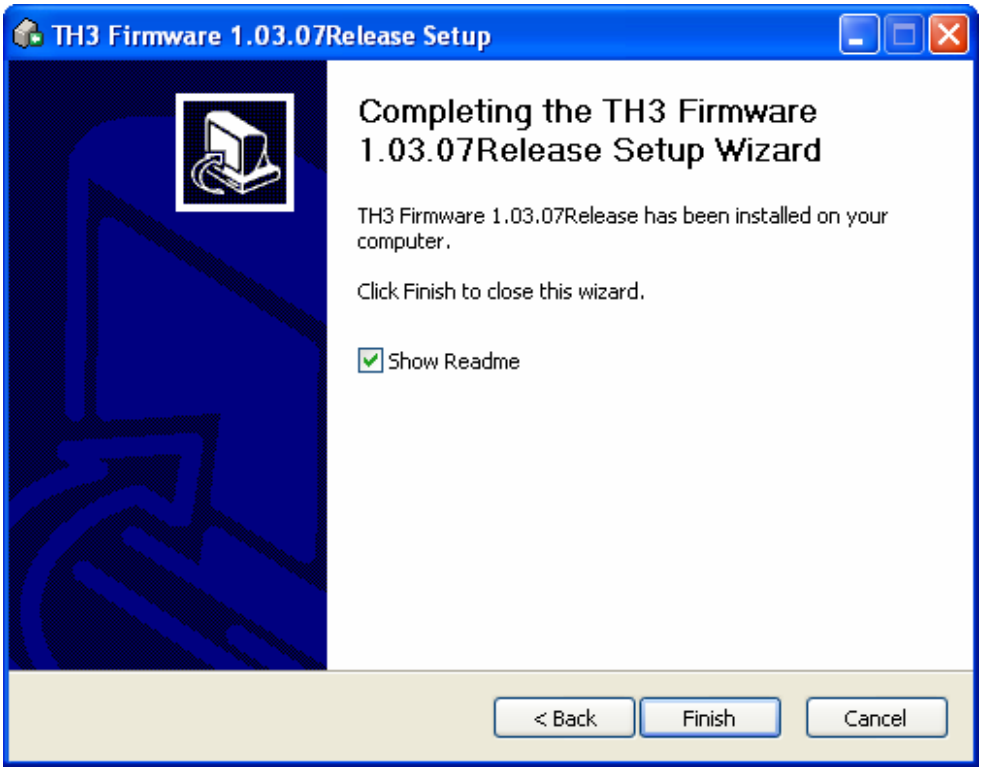


28. When the firmware is reset, the following message appears.



29. Click **OK**.

30. The TH3 Firmware Setup Wizard appears.



31. Click **Finish**.
32. On the device workstation, start Service Shell.
33. From the **Views** menu, select **Multiple Monitors**.
34. Select **GMCE** and type `list version`. The current (updated) firmware version and build number appear. See the screen shot below, upper window.
35. Select **TH3** and type `ver`. The current (updated) HC version and head serial number appear. See the screen shot below, lower window.

