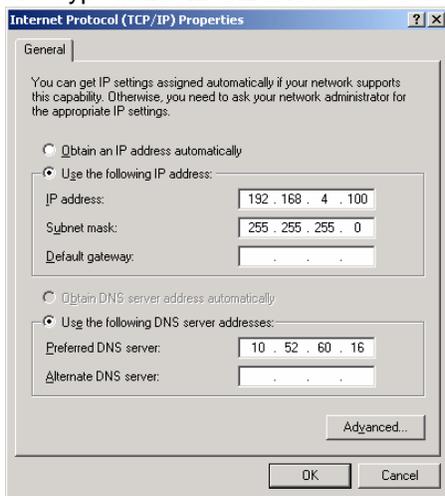**Description:**
This procedure shows how to load Insight IC software using FTP (File Transfer Protocol).

Setup Procedure:
1. From the "Start" menu select "Settings" then "Control Panel"

2. From the Control Panel double click "Network" icon.

3. In the "Configuration" tab, scroll down until you find "TCP/IP -> (your network card name that you will connect to the Insight-IC box).

4. Click "Properties" and you will get into another screen.

5. Click on "Specify an IP address"

6. Type in **192.168.4.100** for the "IP Address"

7. Type in **255.255.255.0** for the "Subnet Mask"

8. Click "OK". Restart the computer if required.

9. Connect an RJ-45 Ethernet Crossover Cable from the PC to the Insight-IC box directly. If you are using a hub then use 2 RJ-45 Patch Cables.

Note: You can tell the difference between Ethernet Patch Cable and Crossover Cable by looking at the wire colors at the ends. Both ends of a Patch Cable will look the same, but some wires will be in different positions on a Crossover Cable.

Follow this next step if upgrading from 1.1.x to another version of 1.1.x, or from 1.2.x to another version of 1.2.x. Skip this step if there are no tightening programs loaded in the controller:

10. Save the Parameter/Configuration Data by using the SETUP SCREEN - PARAMETER TRANSFER - SAVE DATA buttons and select the device installed in the unit – PCMCIA Flash Card or Floppy Drive

Follow these next steps if upgrading from 1.1.x to a version of 1.2.x. Skip this step if there are no tightening programs loaded in the controller:

10. Print Parameter/Configuration Data to a PCMCIA card, printer, or floppy disk by going to RUN/ VIEW PARAMETERS and pushing the green PRINT key. Choose Spindle #1 and choose *Parallel Port* if you have a printer connected, *Floppy Disk*, or *PCMCIA Flash Disk*.

    Repeat this for Spindle #2 if this is a 2-Spindle IC.

Note: If the system does not currently have a PCMCIA card installed, you must power down, install the card, and power back up again.
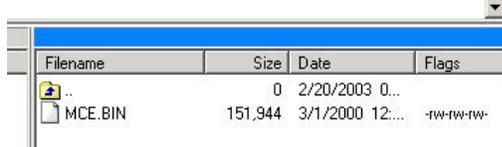
11. Turn OFF power to the Insight unit.

12. Put a jumper on pins 5 and 6 of J15 located on RISC board.

13. Connect RJ-45 crossover Ethernet cable from PC to Insight unit.

14. Run LeechFTP. Go to the to the correct software folder in the middle panel and double-click the 192.168.4.2 bookmark.

15. Turn ON power to the Insight Unit and wait until the connection is made and you see the folders on the Insight unit(about one minute).

16. Move the jumper to pins 7 and 8 of J15 located on RISC board.

17. Highlight the file(s) you want to transfer and either click the UPLOAD icon.

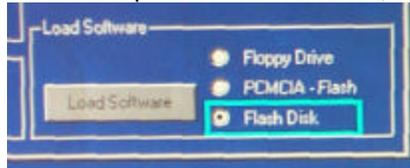18. After the main files are transferred, double-click on the "Config" directory on the Insight IC

Filename	Size	Date	Flags
..	0	2/20/2003 0...	
SYSTEM	0	3/1/2000 12:...	drwxrwxrwx
HTTP	0	3/1/2000 12:...	drwxrwxrwx
CONFIG	0	3/1/2000 12:...	drwxrwxrwx
TOOLS.CSV	8,089	3/1/2000 12:...	-rw-rw-rw-
SPANISH.CSV	122,468	3/1/2000 12:	-rw-rw-rw-

19. Transfer mce.bin into the "Config" directory (Verify that the file transferred by refreshing)

Filename	Size	Date	Flags
..	0	2/20/2003 0...	
MCE.BIN	151,944	3/1/2000 12:...	-rw-rw-rw-

20. Remove the jumper and cycle power

21. In Setup/ Parameter Transfer, select "Flash Disk" ("FTP" in version 1.2.3) and select "Load Software"

22. Accept the loading of the mce.bin file (If the file transfer window stays on 0% for more than 5 seconds, hit the green "Enter" key and repeat the previous step.

23. After the file has loaded and has been transferred to the MCE's, recycle power

Note: Version 1.2.3 will not automatically update MCE #2. Remove the CANBus connector from MCE #1 (lower MCE) and repeat steps 21 & 22 to update MCE #2.

Follow this next step if upgrading from 1.1.x to another version of 1.1.x, or from 1.2.x to another version of 1.2.x. Skip this step if there were no tightening programs loaded in the controller:
24. Reload the Parameter/Configuration Data by using the SETUP SCREEN - PARAMETER TRANSFER - LOAD DATA buttons and select the device installed in the unit – PCMCIA Flash Card or Floppy Drive

Follow these next steps if upgrading from 1.1.x to a version of 1.2.x. Skip this step if there were no tightening programs loaded in the controller:
24. Open the file called PRMDMP1.TXT and key in all the variables back into the SETUP/ SPINDLE INITIALIZATION, SETUP/ SYSTEM INITIALIZATION, and SETUP/ ADVANCED SETUP for Spindle #1.

Repeat this for the file called PRMDMP2.TXT for Spindle #2 if this is a 2-Spindle IC.

See AS 112403 JM for LeechFTP Setup Instructions