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Upgrade Procedures for MGI-2 and MGI-3 Cards

The purpose of this Technical Bulletin is to outline the correct procedures for upgrading the MGI-2 and MGI-3 cards. Each model of MGI card has a different upgrade procedure so please verify you are following the correct section of this document before attempting an upgrade.

NOTE: Basic knowledge of Microsoft's HyperTerminal should be acquired prior to attempting any upgrade on a MGI-2

MGI-2 Upgrade Required Equipment:

In order to perform an upgrade on the MGI-2 card the following equipment is needed.

Part	Description
1	PC with communications program (Microsoft's HyperTerminal)
2	RS-232 DB9 Null Modem Cable

MGI-2 Upgrade Procedure:

Step	Action
1	Acquire the MGI-2 upgrade file from Samsung's Technical Support department (Actual upgrade file will be contained within a zip file and will have a .ftp extension)
2	Please do not unzip the file until it resides on the PC that will be performing the upgrade as this prevents corruption of the actual upgrade file. Once the zip file is on the destination PC transfer the upgrade file within the zip file to a folder on the PC
3	Connect the PC to the MGI-2 card with the DB9 Null Modem cable
4	Configure a HyperTerminal session with the following settings <ul style="list-style-type: none"> a. Baud (Bits per Second): 19200 b. Data Bits: 8 c. Parity: N d. Stop Bits: 1 e. Flow Control: None
5	Launch the HyperTerminal Session with the settings described in Step 4
6	When Log on: is displayed enter mgi and press <Enter> .
7	When Password: is displayed enter mgi and press <Enter> .
8	Login Successful → Will be displayed

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Upgrade Procedures for MGI-2 and MGI-3 Cards

MGI-2 Upgrade Procedure (continued):

Step	Action
9	Press and Hold down the space bar on PC and reset the MGI-2 card. The MGI-2 card needs to be reset by pushing the red reset button on the MGI-2 card. Do not release the space bar until after the red reset button is released
10	This will put the MGI-2 card into Console Mode. The display should read: Key Pressed, stopping boot Entered Console....User request
11	Release spacebar. Display should read '] If the '] is not visible press <enter> until it is seen.
12	At the '] type in xmodem and press <Enter>
13	Within the HyperTerminal Window select Transfer/Send File
14	Browse to the MGI-2 upgrade file (File must have a .ftp extension)
15	Select xmodem for the protocol
16	Click on send to begin
17	The transfer process will take roughly ten minutes to complete
18	When the file is done uploading the display will show: Image relocated-type quit to boot
19	Type in quit and press <Enter>
20	MGI will now reboot
21	When the card has rebooted, press <Enter>
22	When Log on: is displayed enter mgi and press <Enter>
23	When Password: is displayed enter mgi and press <Enter>
24	Login Successful → Will be displayed
25	Type in co en and press <Enter>
26	The display will show Switching from CLI to Console mode- type 'exit' to return
27	Press <enter> again. This will take you to the X.X.X.X> prompt (X.X.X.X = the IP address of the MGI card)
28	At X.X.X.X> type in flashfs update and press <Enter>
29	When complete 'done' will be displayed
30	At X.X.X.X> type in restart and press <Enter>
31	After MGI-2 card restarts go to MMC 727 and verify that MGI-2 card was successfully upgraded

Upgrade Procedures for MGI-2 and MGI-3 Cards

MGI-3 Upgrade Procedure:

Step	Action
1	Acquire the MGI-3 upgrade files from Samsung's Technical Support department (Actual upgrade files will be contained within one zip file)
2	Please do not unzip file until it resides on the PC that will be performing the upgrade as this prevents corruption on the actual upgrade files. Once the zip file is on the destination PC transfer the upgrade files within the zip file to a folder on the PC (For example on the root of C:\ create a folder named MGI3 and copy the upgrade files to that folder)
3	Make sure that the MGI-3 card and the PC that is being used to perform the upgrade are on the same network and that you can ping the MGI-3
4	Go to a Command or DOS Window <ol style="list-style-type: none"> From XP or Windows 2000 PC go to Start/Run type in cmd <enter> From Windows 98 go to Start/Run type in command <enter>
5	At the C:\> prompt type CD MGI3 and press <Enter> (MGI3 is the folder that was created on the root of C:\)
6	At the C:\MGI3> prompt type in ftp XXX.XXX.XXX.XXX (XXX.XXX.XXX.XXX equals the IP Address of the MGI-3 card being upgraded. This is the IP Address entered and listed in MMC 831)
7	At the User (XXX.XXX.XXX.XXX: (none)): type in mgj3 <enter>
8	At the Password: prompt type in mgj33 <enter>
9	At the ftp> prompt type in prompt <enter> Interactive mode Off will be displayed
10	At the ftp> prompt type in hash <enter> Hash mark printing On ftp: (2048 bytes/hash mark will be displayed
11	At the ftp> prompt type in ascii <enter> 200 type set to A will be displayed
12	At the ftp> prompt type in put sig_ver.c <enter> File transfer will begin
13	At the ftp> prompt type in bin <enter> Type set to I will be displayed
14	At the ftp> prompt type in mput dsp.* <enter> File transfer will begin
15	At the ftp> prompt type in mput mgj3.* <enter> File transfer will begin
16	At the ftp> prompt type in Ls <enter> Make sure all upgrade files the reside in MGI3 folder are listed here
17	At the ftp> prompt type in bye <enter> to exit ftp mode
18	At the C:\MGI3> prompt type in telnet XXX.XXX.XXX.XXX <enter> (XXX.XXX.XXX.XXX equals the MGI-3 card IP Address listed in MMC 831)
19	At the Login: prompt type in mgj3 <enter>
20	At the Password: prompt type in mgj33 <enter>
21	At the MGI3:XXX.XXX.XXX.XXX> prompt type siglo dsp.* <enter> Wait for flash programming to finish to proceed
22	At the MGI3:XXX.XXX.XXX.XXX> prompt type siglo mgj3.* <enter> Wait for flash programming to finish to proceed
23	At the MGI3:XXX.XXX.XXX.XXX> prompt type sigboot <enter> This will reboot MGI-3
24	The reboot process takes roughly 5 minutes
25	Go to MMC 727 and verify that the MGI-3 was upgraded

If you have any questions about this or any other Technical Support bulletins please contact Samsung Technical Support by phone at 1-800-737-7008 or by email at: BCS.Support@Samsung.com.