

Upgrade Procedure

Step 1. log in to the web admin with maint password (PGM162-FlexBtn3)

Step 2. delete all files in web admin

The screenshot shows the IPECS web administration interface. The top navigation bar includes 'Administration', 'S/W Upgrade', and 'System Management' (highlighted in yellow). A 'Log Out' button is in the top right. The left sidebar contains a menu with 'File System' selected and 'File View & Delete' highlighted. The main content area is titled '[File System View]' and contains a table of files. A 'Delete' button is located in the top right of the main area. Red circles with numbers 1 through 4 are overlaid on the interface to indicate steps: 1 on the 'System Management' tab, 2 on 'File View & Delete', 3 on the 'Select All' checkbox, and 4 on the 'Delete' button.

MFIM/UK96M-E.0Dn MAR/09
Boot Version-1.0A| JUL/08

- Database
- SMDR
- File System**
- File View & Delete**
- File System Information
- Trace
- Gain&Cadence Control
- Appliances Control
- DECT Statistics Feature
- Device Delete Feature
- Voice Mail Delete

[File System View]

Select All

Delete	Select	File Name	File Size
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	zHtmlEnd.dat	200
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Top_over.gif	2004
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Top_off.gif	2367
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	top_logo.gif	2466
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	top_bg.gif	35929
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR9	48148
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR8	64005
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR7	63967
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR6	61444
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR5	61868
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR4	53861
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR3	49416
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR2	63931
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR1	62933
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TonRing8,LR0	63781
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	style.css	365
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	station_logo.jpg	13614

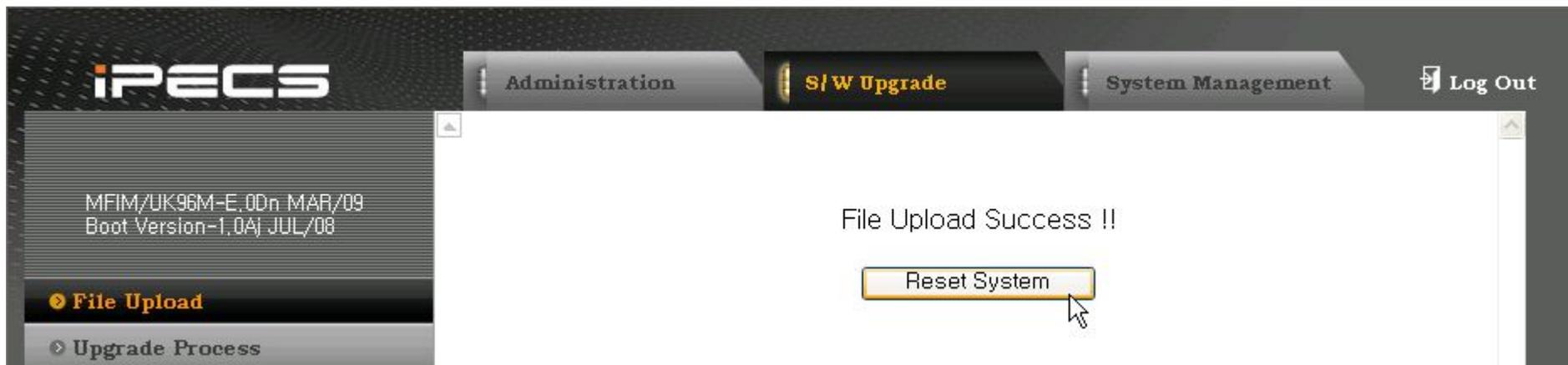
Delete

Step 3. You **must** have to upgrade **MFIM file first.**
(e.g) **GS96ME0Do.rom**



The screenshot shows the iPECS S/W Upgrade interface. The top navigation bar includes 'Administration', 'S/W Upgrade' (highlighted), and 'System Management', with a 'Log Out' button on the right. A red circled '1' is above the 'S/W Upgrade' tab. The left sidebar shows 'File Upload' (highlighted with a red circled '2'), 'Upgrade Process', and 'Upgrade Process View'. The main content area displays 'File Upload !!' and the instruction 'Select Upload File and Wait for Uploading to end!!'. Below this, a file input field contains 'pp-en.GS96ME0Do.rom' (highlighted with a red box) and a '찾아보기...' button. An 'Upload' button (highlighted with a red circled '3') is positioned below the input field.

Step 4. You **must** reset MFIM system.
Please wait about 2-3 minutes after reset MFIM system.



The screenshot shows the iPECS S/W Upgrade interface after a successful file upload. The top navigation bar is the same as in the previous screenshot. The left sidebar shows 'File Upload' (highlighted) and 'Upgrade Process'. The main content area displays 'File Upload Success !!' and a 'Reset System' button (highlighted with a yellow border and a mouse cursor pointing to it).

Step 5. You have to upload **HTML rom file.
(e.g – GS96HE0Do.rom)**

File Upload !!

Select Upload File and Wait for Uploading to end!!

nl-en\GS96HE0Do.rom 찾아보기...

Upload ③

footer.htm File Read Failure!!

**Step 6. You don't need to reset MFIM.
Press 'F5' key to refresh web admin page.
You can see normal web admin page.**

Troubleshooting guideline about MFIM upgrade

Step 1. Please get the http trace.

To set http trace, please enter below string in mon> serial.

```
mon> t s call
```

```
mon> t s http
```

```
DeMerge:: Kernel Flash write [0x00280000] size 65536
DeMerge:: Kernel Flash write [0x00290000] size 65536
DeMerge:: Kernel Flash write [0x002a0000] size 65536
DeMerge:: Kernel Flash write [0x002b0000] size 65536
DeMerge:: Kernel Flash write [0x002c0000] size 52158
DeMerge:: Kernel Flash Update Success!!
MergeFileRemove error [2]!
DeMerge:: ExtractFromMergedFile - [/mnt/msp/iPECS_Kernel_Image] [2411454]file extraction success
DeMerge:: Kernel write to the NAND [/mnt/msp/iPECS_Kernel_Image] success
DeMerge:: ExtractFromMergedFile - [/home/csmencaps.ko] [28560]file extraction success
DeMerge:: Merged File [/home/csmencaps.ko] extract success
DeMerge:: ExtractFromMergedFile - [/home/devBootEnv.ko] [21912]file extraction success
DeMerge:: Merged File [/home/devBootEnv.ko] extract success
DeMerge:: ExtractFromMergedFile - [/home/devMisc.ko] [8976]file extraction success
DeMerge:: Merged File [/home/devMisc.ko] extract success
MergeFileRemove error [2]!
DeMerge:: ExtractFromMergedFile - [/home/devNet.ko] file write error [16384=-1]
DeMerge:: ExtractFromMergedFile - [/home/devNet.ko] file extraction fail
Http redirection to file upfail.htm on socket 177
```

As you see in above trace, file write error is occurred in /home directory.

Step 2. Delete HTML rom file.

So in this case, you have to check if HTML file is existing in /home directory in maint> serial. If you find out HTML file like below capture file, you have to delete HTML rom like below figure.

- 1) Connect maint> serial.
- 2) Enter “dir d” to display /home directory.
- 3) Enter “del d GS97HE0Dk.rom” to delete HTML rom file.

```
maint> dir d

file name                                size(bytes)  LSAD1shr(attr)
-----
LG-Nortel.crt                            583          frwxrwxrwx
LG-Nortel.pem                             573          frwxrwxrwx
appsub3                                    11          frwxrwxrwx
appsub1                                    11          frwxrwxrwx
appmain                                    11          frwxrwxrwx
appsub2                                    11          frwxrwxrwx
cakey.pem                                  963          frwxrwxrwx
protrx                                     11          frwxrwxrwx
pcatd                                      11          frwxrwxrwx
protrx                                     11          frwxrwxrwx
cacert.pem                                 3181         frwxrwxrwx
Makefile                                   417          frwxrwxrwx
_main_app1.rom                             17287000     frwxrwxrwx
devWatchDog.ko                             3440         frwxrwxrwx
GS97HE0Dk.rom                              3536252     frwxrwxrwx
devTwi.ko                                   3224         frwxrwxrwx
devSRAM1.ko                                 7112         frwxrwxrwx
devSEEPROM.ko                              3892         frwxrwxrwx
devRtc.ko                                   3440         frwxrwxrwx
--- Press any key to view more!
devNet.ko                                   183968       frwxrwxrwx
devMisc.ko                                  8976         frwxrwxrwx
devBootEnv.ko                              21912        frwxrwxrwx
csmencaps.ko                               28560        frwxrwxrwx
>>> Total 23 file(s) exist on disk!
>>> Total 0 bytes are available on D drive!
maint> del d GS97HE0Dk.rom

>>> File was removed!
```

Step 3. Upgrade MFIM.

Please follow the operation of “Upgrade Procedure” in above ppt slide.
(Upload MFIM rom -> Reset MFIM -> Upload HTML rom)