UPGRADING THE FIRMWARE

Note for the firmware upgrading

(1)   Save the measuring condition to the internal memory or the SD card before the firmware upgrade.

(2)   Don't turn off the power during upgrading the firmware.

How to Upgrade the firmware from the SD card

The display module have to have when upgrade the firmware from the SD card.

(1)   Copy the firmware file to a SD card from the computer. Do not copy the firmware to under folder.
Copy the firmware to under main directory of SD card.

MainVerxxxRevxxxxAxx.GL7000   (Main Firmware file)

PatternVerxxxRevxxxxAxx.GL7000   (Font file)

xxx, xxxx, xx will be changed by the version.

The font file is not necessary to copy if it is not updated.
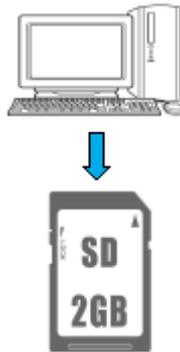
(2)   Insert the SD card containing the upgrade file to the SD card slot of GL7000 Head Module.

(3)   Turn on the power to the GL7000.

(4)   Press the [ENTER] key when the following menu is displayed.


```
Flash-ROM Update
[Current Information]

MAIN    ROM Version : 1.00
Suffix          :
PATTERN ROM Version : 1.00
Suffix

----   Select File ----
UP    : Select Upper File
DOWN  : Select Lower File
ENTER : Start Update
MainVer100Rev0001A00.GL7000

[File Information]

ID : GRAPHTEC GL7000 MAIN ROM
Version 1.00  A00
```
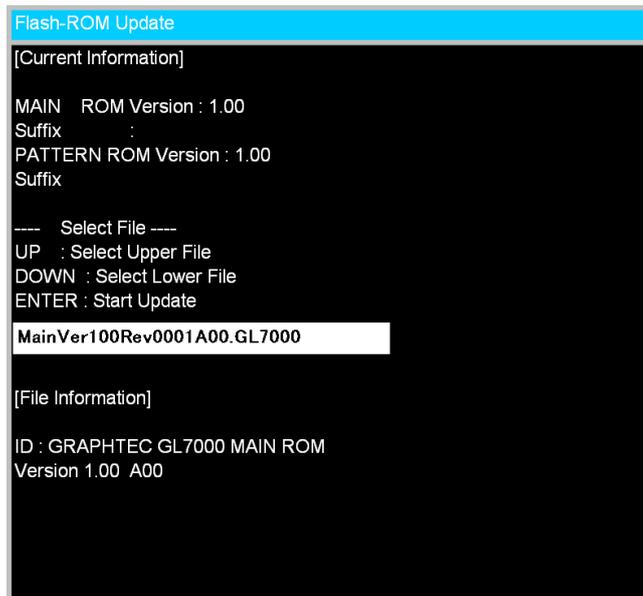
(5)   Wait until the display shown below appears or until the beeper sound stops.
       Note:
       Don't turn off the GL7000 until this process is finished.
       The following message will appear on the GL7000 display in yellow characters when the upgrade is
       complete. Also the beeper will sound for 5 seconds.
       "Please Turn Off the Power.   I have locked up."


```
Flash-ROM Update
[Current Infomation]

MAIN    ROM Version : 1.00
Suffix              :

[File Information]

ID : GRAPHTEC GL820 MAIN ROM
Version  :  1.00
Suffix   :  A00

Receiving ROM Data . . . .
+ - - - - - - -
Start ROM Update Sequence.
Checking ROM Signature . . . .
---Erase---
*****************************************************************************
****Complete.
---Write---
*****************************************************************************
****Complete.
ROM Update Complete!!

Please Turn Off Power. - - - I have locked up.
```
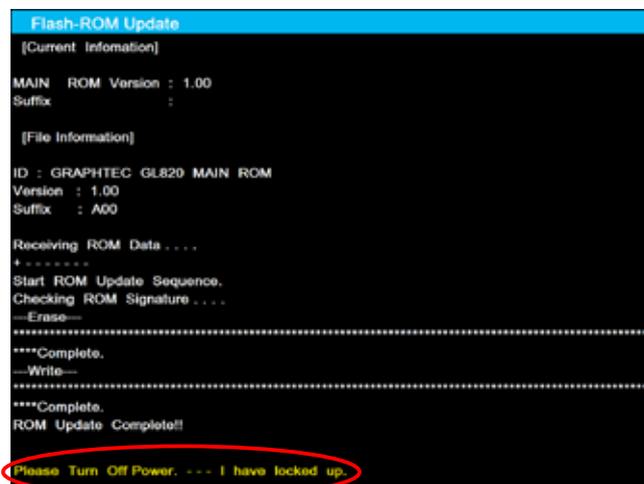
(6)   Turn off the power to the GL7000 when the above message is displayed or when the beeper sound
       stops.
(7)   Remove the SD card from the SD card slot of GL7000. And delete the program files from a SD
       card.
       This is to avoid upgrading the firmware by mistake.
(8)   Turn on the power, and then confirm the firmware was upgraded. The firmware version is shown
       during the initialization menu.

How to Upgrade the firmware from the PC

You can upgrade the firmware from the PC if the display module is not installed.

(1)   Copy the following files to your PC.

      GL-Config.exe   (Software to upgrade firmware from the PC)

      MainVerxxxRevxxxxAxx.GL7000   (Main Firmware file)

      PatternVerxxxRevxxxxAxx.GL7000   (Font file)

      xxx, xxxx, xx will be changed by the version.

      The font file is not necessary to copy if it is not updated.

(2)   Connect the PC and the GL7000 with the USB cable via the USB port.
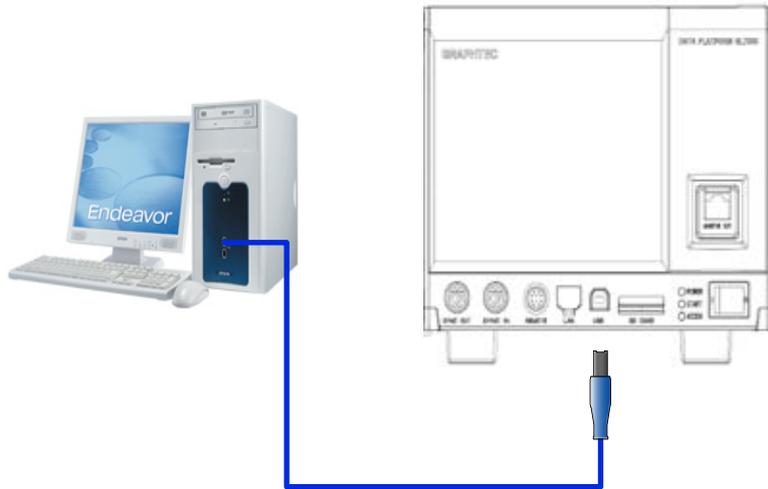
(3)   Start up the "GtcUpdate.exe".
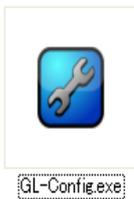
      The "GL-Config.exe" start up when the icon of GL-Config.exe is double clicked.

(4)   The following menu is displayed.
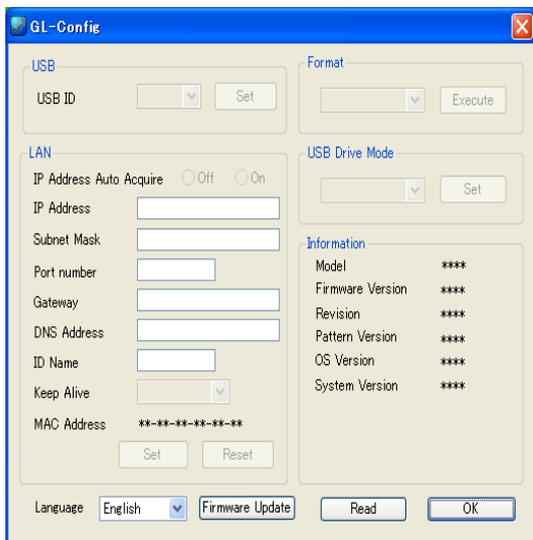
(5) Click the read button to get the information from the GL7000.
The model name and the firmware version will be shown in the information menu.
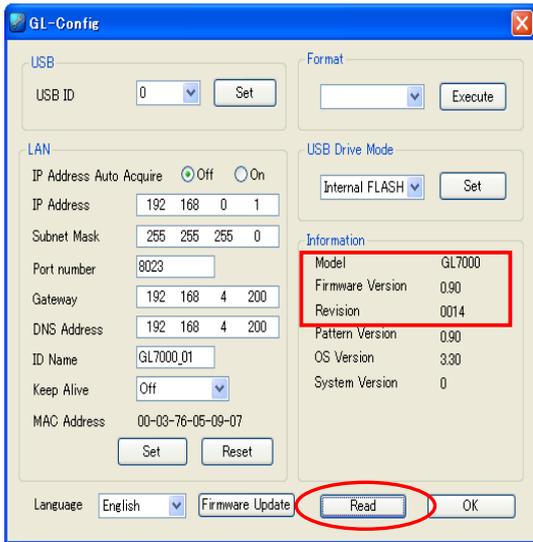
(6) Click the firmware update button.
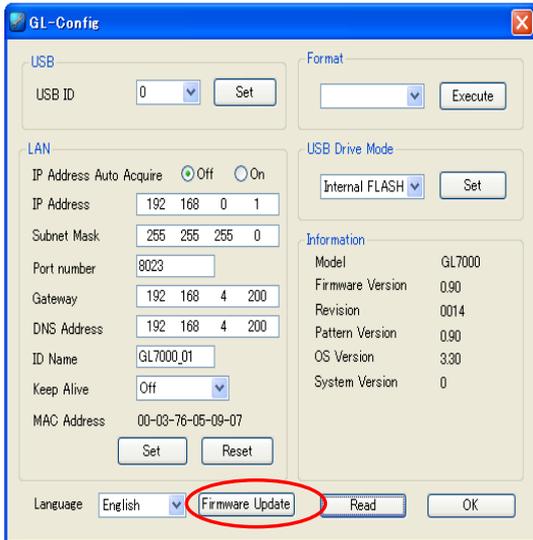
(7) The following menu is displayed. Click the Browse button.
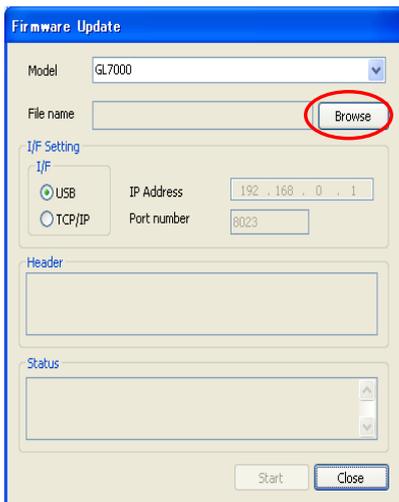
(8)   The following menu is displayed. Select the firmware file, and then click the open button.
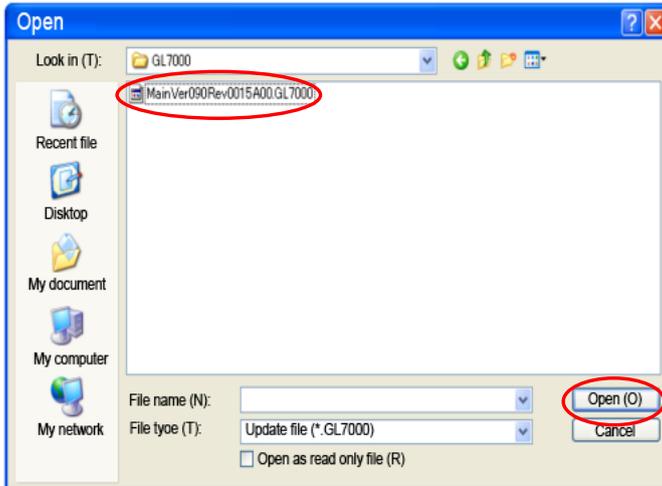
(9)   The following menu is displayed. Click the start button to send the firmware file to the GL7000.
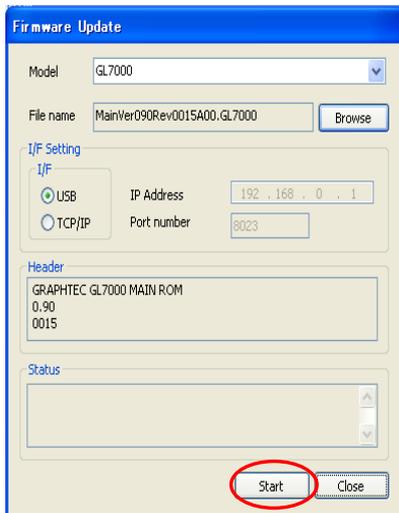
(10)   The following menu is displayed, during sending the file to the GL7000. And the access LED of GL7000 is blinked.

5
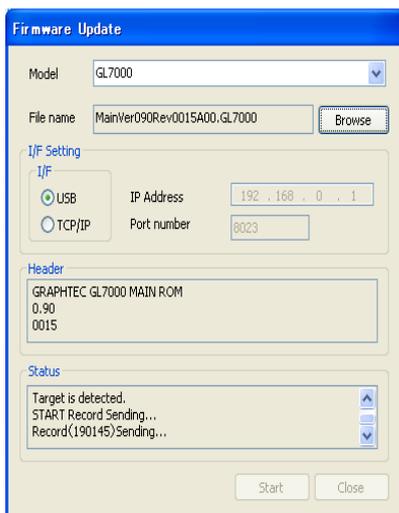
(11)   The access LED of GL7000 is blinked during sending the file to the GL7000.
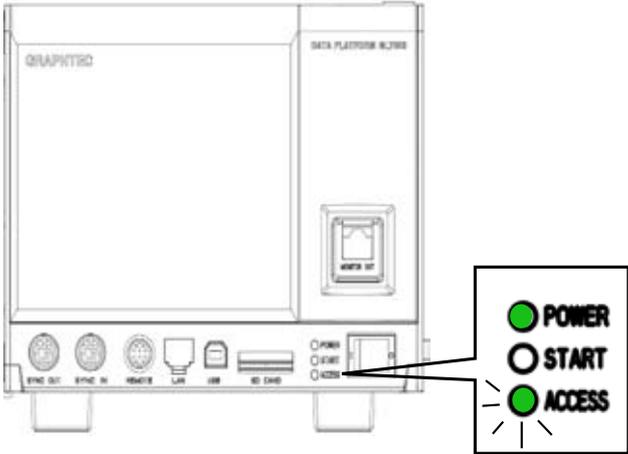
(12)   The firmware update is completed when the blinking of access LED was stopped.
(13)   Perform same procedure as the firmware update when update the font file.