

GLT400 Firmware Update Guide

A. Precautions

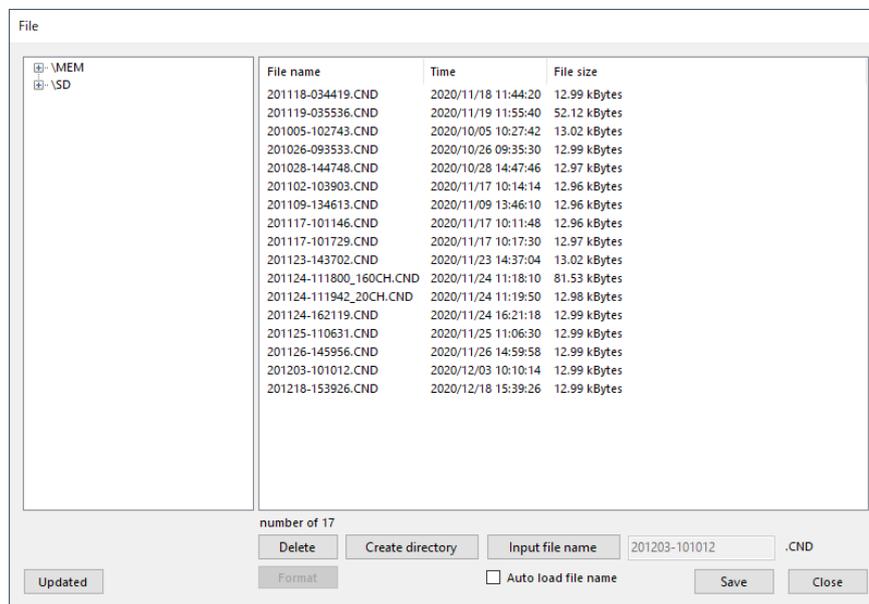
- This manual describes the procedure for updating firmware of the GLT400 .
- This firmware is only available for the GLT400.
- Do not turn off the power to the GLT400 during firmware update. The firmware may be damaged and therefore cannot be repaired if you turn off the device while the update is in progress.
- SD Memory card containing firmware is required to update.
- SD card slot supports SD and SDHC memory cards. (SDXC card cannot be used with GLT400)
- GLT400 setting conditions are reset depending on the firmware update.
When updating the firmware, save the setting conditions to the GLT400 before the updating starts.
(See sections "B. Updating the GLT400 firmware" for saving and reloading the setting conditions)
- By firmware updating could cause an I/F settings (IP address) changes.

B. Updating the GLT400 firmware (GLT400 Alone)

1. Connect GLT400 to "GLT400 Setting App".
2. Click the [Save/Load current settings] button, the following screen is displayed.



3. Click [Save] button of "Operation settings" and select a random folder within GLT400. Then, click [Save] button to save it.



* You can change the file name in the [Input file name] menu.

If you place a checkmark in the [Auto load file name] checkbox, it will be the file name that the setting is automatically loaded when the GLT400 is started up.

4. Click [Save] button of "Communication settings", select a random folder to save it.
5. Prepare to update the file. Download the latest firmware update file from our website.
Double-click file to uncompress, the following file is created.

MainVerxxxRevyyyyAzz.GLT400

Each letter of the alphabet shows the version information as shown in the following example:

• xxx: Version information

(Ex.) "110" indicates "V1.10"

• yyy: Revision Information

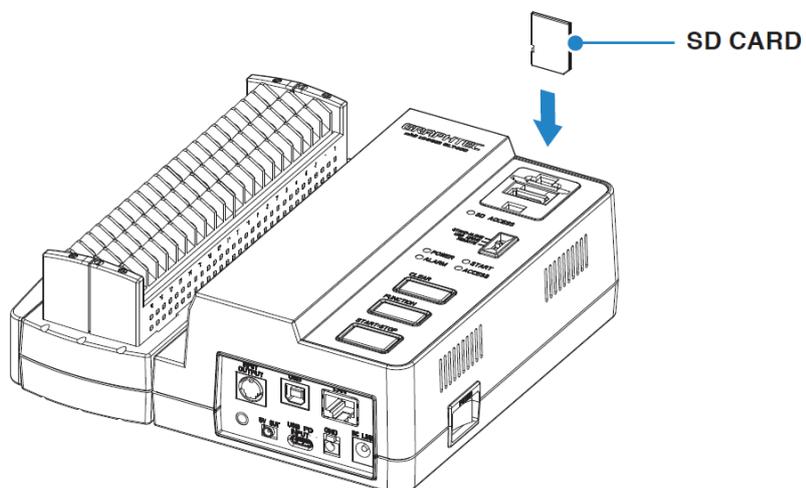
(Ex.) "0001" indicates "Rev0001".

• zz: Special item number

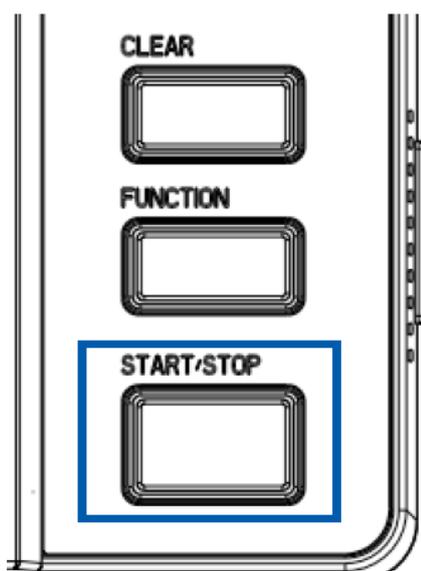
(Ex.) "00" indicates "standard product".

6. Insert the SD card into the SD card slot of your PC and copy the firmware update file to the root folder in the SD card. (The top-level directory is considered the root directory)

7. Insert the SD card with firmware file for update while the GLT400 power is off.



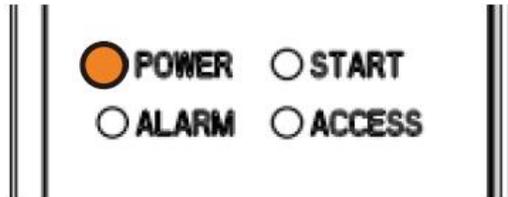
8. Turn on the power of the GLT400 while pressing the [START / STOP] key on the GLT400.



9. If you release the [START / STOP] key, after a while, you will hear a set of beeps which indicates approx. 10 second for countdown.

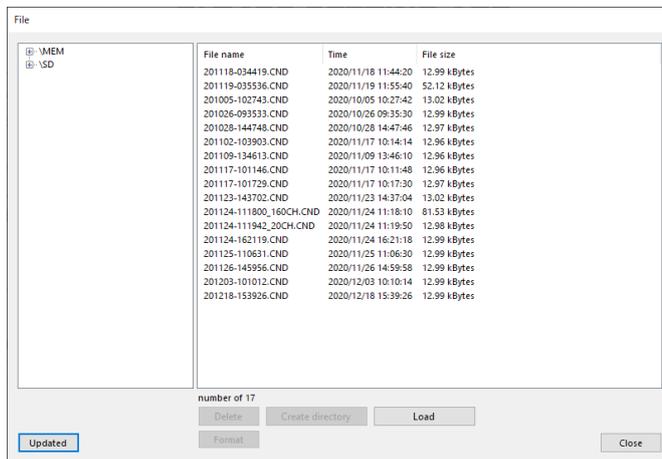
If 10 beeps are finished, the firmware update will start.

The POWER indicator display lights Orange while the update is in progress. Do not turn off the GLT400 during the update procedure.



If a long beep (1-2sec) is heard, the firmware update is completed. After updating the firmware is completed, GLT400 will restart automatically.

10. Remove the SD CARD from GLT400, and connect to the GLT400 Setting App.
11. Click [Save / Load Current Settings], and click [Load] in the “Operation Settings”, the following screen is displayed. Select a previously saved setting file in step 3 and click "Load" to restore the setting.



12. To restore the communication setting, click [Load] in the “Communication settings”.
13. Remove the firmware update file of SD card which is saved in step 6.

The GLT400 firmware update is now complete on main GLT400 unit.

C. Updating GLT400 firmware by using PC application (GLT400 Setting App).

1. Run the "GLT 400 Setting App".
2. For details on how to save and load the operation or communication settings of GLT400, see steps 2 to 4 of [B. Updating the GLT400 firmware (GLT400 alone)].
3. Click the [Firmware Update] from the [Option] button. The following screen is displayed.
(If your GLT400 and GLT400 Setting App are connected, they will automatically disconnects.)

Firmware Update

Model: GLT400

File name: [] Browse

I/F Setting

I/F

USB IP Address: 192 . 168 . 0 . 1

TCP/IP Port number: 8023

Header: []

Status: []

Language: English

Start Close

*In the lower left corner of the screen, click on the language button will allow you to switch languages.

4. Prepare the update the file.
For details on how to prepare the update the file, see step 5 of [B. Updating the GLT400 firmware (GLT400 alone)].
5. Select the uncompressed update the file from "Browse" on the firmware update screen.
6. Select a method connecting the GLT400 to your PC in the "I / F Settings". If you select "TCP / IP", enter the "IP address" and "port number".

7. Confirm if the file name is correct, and then click the [Start] to begin the firmware update.

Do not turn off the power until the update is complete.

Firmware Update

Model: GLT400

File name: MainVer101Rev0001A00.GLT400

I/F Setting

I/F: USB TCP/IP

IP Address: 192 . 168 . 0 . 1

Port number: 8023

Header

GRAPHTEC GLT400 MAIN ROM
1.01
0001
...

Status

ROM data (193409) Sending...
Transmission was completed.

Erasing ROM ...100%
Writing to ROM ...40%

Language: English

Start Close

8. "Update is completed" appears in the status field, and a buzzer sounds once update is completed. The GLT400 automatically restarts once the firmware successfully updates.

Status

Writing to ROM ...100%

Update is complete.
Your device is rebooting.

9. Click the [Close] button to finish the firmware update and connect the "GLT400 Setting App" to the GLT400 again.
10. For details on how to restore the operation or communication settings of GLT400, see steps 11 to 12 of [B. Updating the GLT400 firmware (GLT400 alone)].

The GLT400 firmware update is now complete by using the GLT400 Setting App.