Chapter 6 Firmware Updating

MPC-2000 firmware is updated as needed to add functionality and fix bugs. Because the firmware data is publicly available on our company's website, updating should be performed as needed.

6-1 Updating Data

For updating, "SYSLD2000/2100" is used in the FTMW startup screen. Pressing the button starts updating sysld2k.exe dedicated software.
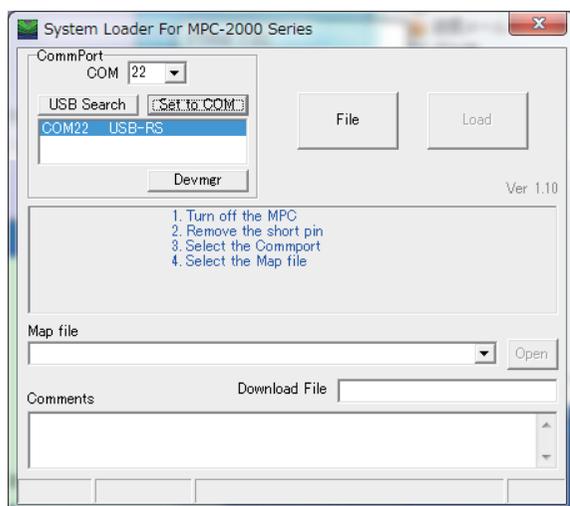Downloaded firmware data is in a ZIP file, and when it is expanded, the following five folders appear (the number may increase or decrease with additional models). Depending upon the model, data in one of the following folders are used.
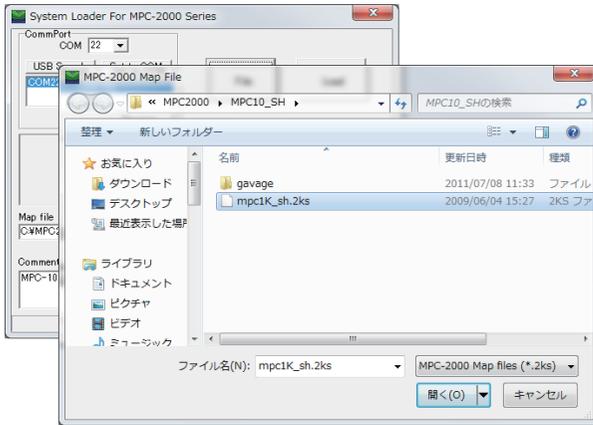
(1) for MPC-2000, and (2) for MPC-1000.

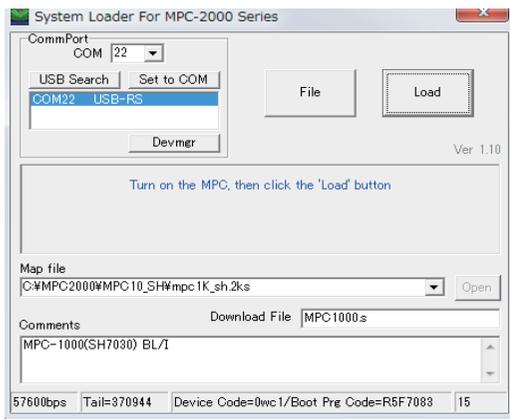|	CPU	Folder name	Map file	System data
①	MPC-1000/MPC-N816	MPC10_SH	mpc1K_sh.2ks	MPC1000.S
②	MPC-2000(Newer than CEP-114H)	MPC20a_SH	mpc2KA_sh.2ks	MPC2000.S
③	MPC-2200	MPC2200	mpc2200.2ks	SH7211.S
④	MPC-2000(old type)	MPC20_SH	mpc2K_sh.2ks	MPC2000.S
⑤	MPC-2100L	MPC21L_SH	mpc2100L.2ks	MPC2100L.S

6-2 Updating Procedure

1. Turn off MPC power, and remove it from the rack (case).
(Caution should be taken against static electricity and battery short circuiting.)
2. Pull out short pin (SP1). (SP4 for MPC-1000)
3. Connect the MPC with a PC through a programming cable.
4. Press the SYSLD2000/2100 button of the FTMW to start the system loader.
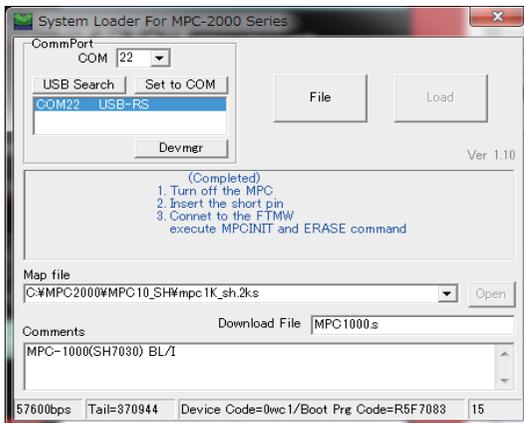5. Select a Commport (same as FTMW)

Press the File button and select the map file (*.2ks) expanded during "Preparation"

①Turn on MPC power
②Click the LOAD button
③Message changes from Erasing to Loading.

Complete.
Turn off MPC power.
Insert SP1 and return torack (case).
Turn on MPC power.
Connect to the FTMW and check the displayed version number.
Perform initialization (MPCINIT, ERASE).

At the end, check the version with the VER command.

```
VER
MPC-2100(SH7030) BL/I 1.12_30 2010/03/05
 All Rights reserved. ACCEL Corp. .T32
#MPCINIT
#ERASE
142*
#
```