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.

	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

(1) for MPC-2000, and (2) for MPC-1000.

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)

System Loader For MPC-2000 Series		1		×]
CommPort COM 22					
USB Search Set to COM	File		Load		
Devmgr				Ver 1.10	
1. Turn off the MPC 2. Remove the short pin 3. Select the Commport 4. Select the Map file					
Map file					
l Comments Download File	•		•	Upen	
				*	



Systen CommPc USB 9 COM2	n Loader For MPC-2000 Series	×
		MPC10_SHの検索 👂
	整理▼ 新しいフォルダー	8= - 100
	☆ お気に入り ^ 名前 ^	更新日時 種類
	📕 ダウンロード 🗉 🌗 gavage	2011/07/08 11:33 ファイル
	■ デスクトップ mpc1K_sh.2ks	2009/06/04 15:27 2KS ファ
Map file C¥MPC2	1911 最近表示した場所	
Comment	🍃 ライブラリ	
MPC-10	■ ドキュメント	
	■ ピクチャ	
	🚟 ビデオ	
	♪ ミュージック ▼ <	
	ファイル名(N): mpc1K_sh.2ks 🗸 M	1PC-2000 Map files (*.2ks) 👻
		開く(O) ▼ キャンセル

×

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.

CommPo	гт ЮМ 22 💌				
USB S	earch Set to USB-RS	o COM	File	Load	
	De	vmgr			Ver 1.10
	Turn or	n the MPC, the	n click the 'Load'	button	
Map file					
C:¥MPC20	000¥MPC10_SH¥	€mpc1K_sh.2ks		-	Open
Comments	:	Downlo	ad File MPC100	0.s	
MPC-100	0(SH7030) BL/I				*
57600bps	Tail=370944	Device Code=	0wc1/Boot Prg C	ode=R5F7083	15

System Loader For MPC-2000 Series

System Loader For MPC-2000	0 Series	×
CommPort COM 22 -		
USB Search Set to COM COM22 USB-RS	File	
Devmgr		Ver 1.10
Comple 1. Turn off th 2. Insert the 3. Connet to execute MF	rted) 6 MPC short pin the FTMW PCINIT and ERASE command	
Map file C:¥MPC2000¥MPC10 SH¥mpc1K sh	2ks 💌	Open
Comments Do	wnload File MPC1000 <i>s</i>	
MPC-1000(SH7030) BL/I		*
57600bps Tail=370944 Device C	ode=0wc1/Boot Prg Code=R5F7083	15

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
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#MPCINIT
#ERASE
142*
#