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## A Note on Using Emulator Debugger M3T-PD45M V.1.20 Release 00

Please take note of the following problem in using the M3T-PD45M V.1.20 Release 00 emulator, which is used for the 4500 series of MCUs:

- On updating the firmware in a compact emulator
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### 1. Description

When the M3T-PD45M V.1.20 Release 00 is used in combination with either of the following compact emulators, the firmware in the compact emulator may not automatically be updated:

- M34519T2-CPE (for the 4518, 4519, 4583, and 4584 groups)
- M34552T2-CPE (for 4552, 4553, and 4556 groups)

And, if the firmware is not updated, the following error arises at launching the M3T-PD45M:

ERROR 1461: The version of gPD45Mh and the firmware on the target are not same.

### 2. Workaround

Update the firmware in the compact emulator by performing the following steps. Be sure not to connect the user system to the compact emulator before completing these steps.

- (1) Connect the compact emulator to the PC using a USB interface cable.
- (2) Within 2 seconds after the compact emulator is powered on, press the system-reset switch to change the operating mode of the emulator to the Maintenance mode.  
In this mode, the LED next to SAFE in the SYSTEM STATUS area on the top of the emulator blinks.
- (3) Launch the M3T-PD45M debugger to open the Init dialog

box. In this dialog box, set up necessary items according to your debugging environments. Next, click the OK button to close the dialog box, and another dialog box opens, which prompts you to load the firmware in the emulator. So load it following the instructions.

### 3. Schedule of Fixing the Problem

Download the problem-fixed M3T-PD45M V.1.20 Release 00 from **HERE** and install it.

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