

# HS0005KCU04H HS0005KCU14H

## Test Program Manual

HS0005TM04HE

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# Section 1 Test Program

This manual describes the troubleshooting procedure that applies the test program for the E10A-USB emulator.

## 1.1 System Setup for Executing Test Program

1. The following equipments are required to execute the test program. Do not connect the user system interface cable or the user system when executing the test program.
  - E10A-USB emulator
  - USB cable
  - “E10A-USB Emulator for Multi-core Microcomputers” CD-R
  - Host computer (hereafter referred to as the PC)

To begin, make sure that the emulator software and USB driver are installed in the PC. For details on installation, refer to section 3.4, Installing Emulator’s Software, in the section of Preparation before Use of the SuperH™ Family E10A-USB Emulator for Multi-core Microcomputers User’s Manual.

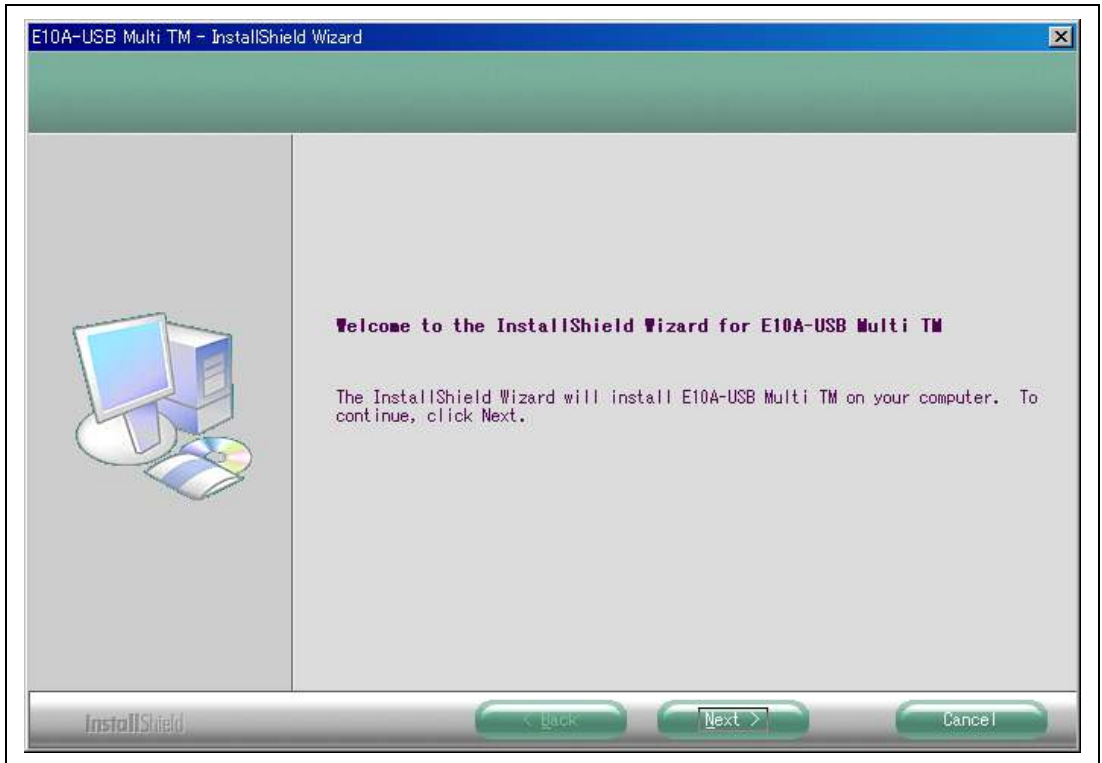
2. Start up the PC and connect the E10A-USB emulator to the USB connector of the PC by using the attached USB cable. Note that the user interface cable must be disconnected.



**Figure 1 Connection**

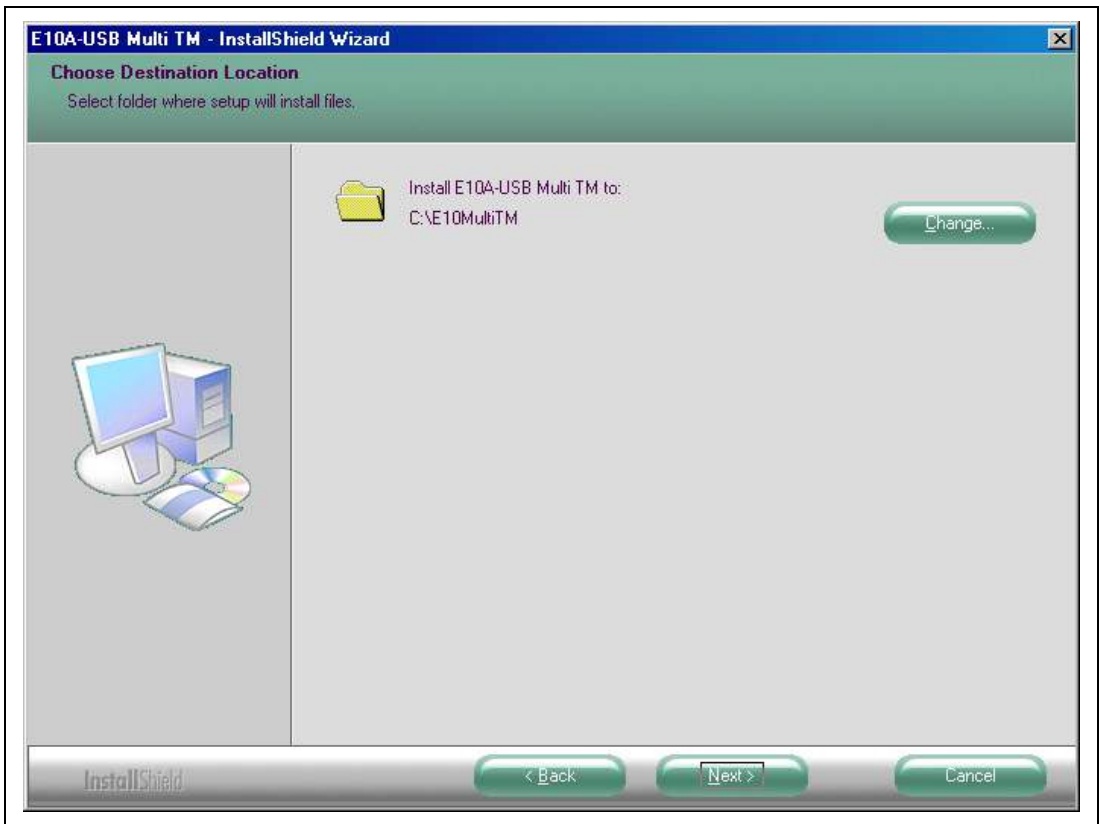
- Execute Setup.exe from the TM folder of the “E10A-USB Emulator for Multi-core Microcomputers” CD-R to start the installation wizard. Follow the instructions of the installation wizard.

When Setup.exe is executed, the start-up screen displayed in figure 2 will appear. Click the “Next” button.



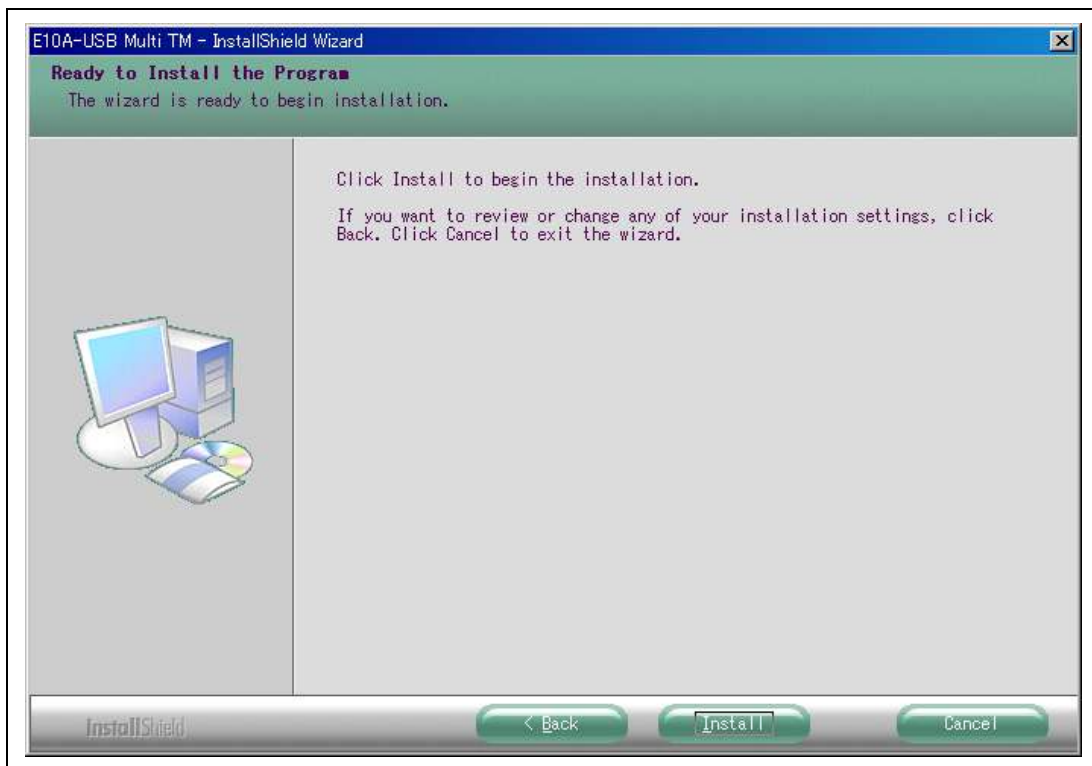
**Figure 2 Starting Setup of the Emulator**

The screen in figure 3 shows the directory to which the E10A-USB Multi TM will be installed. If you do not need to specify a different directory, click the “Next” button. If you select a different directory, be sure that you have write privileges for that directory.



**Figure 3** Specifying a Directory

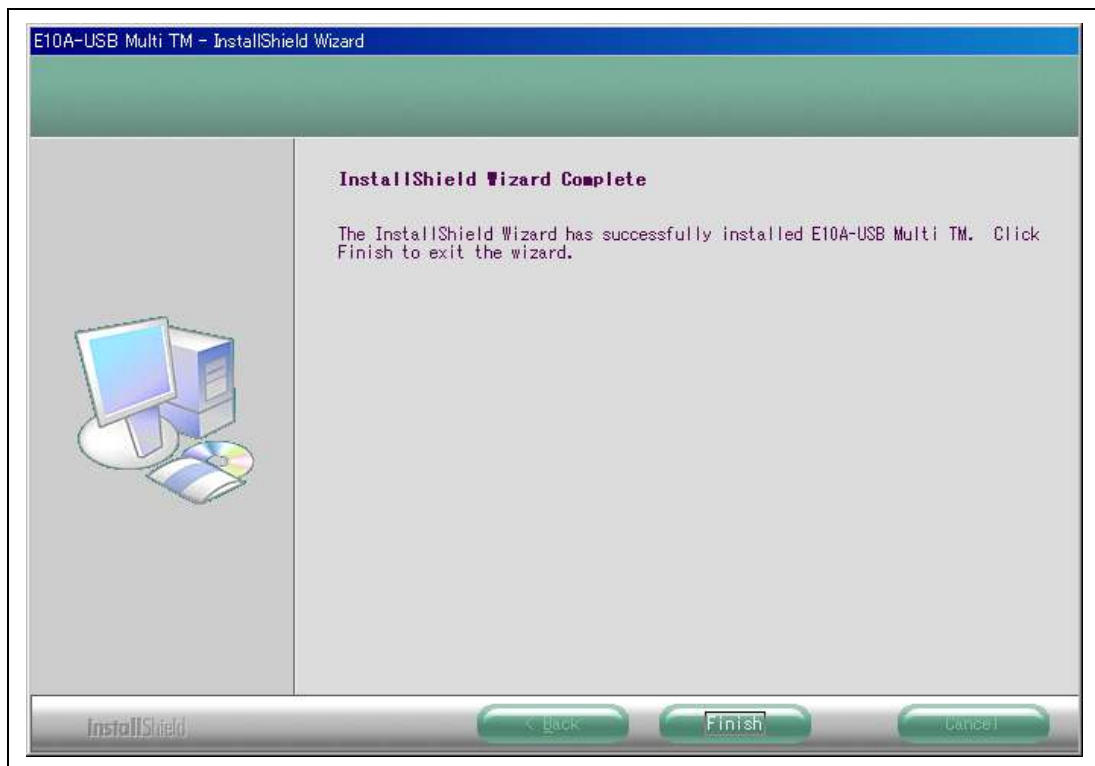
Clicking on the “Install” button starts the installation.



**Figure 4 Starting the Installation**



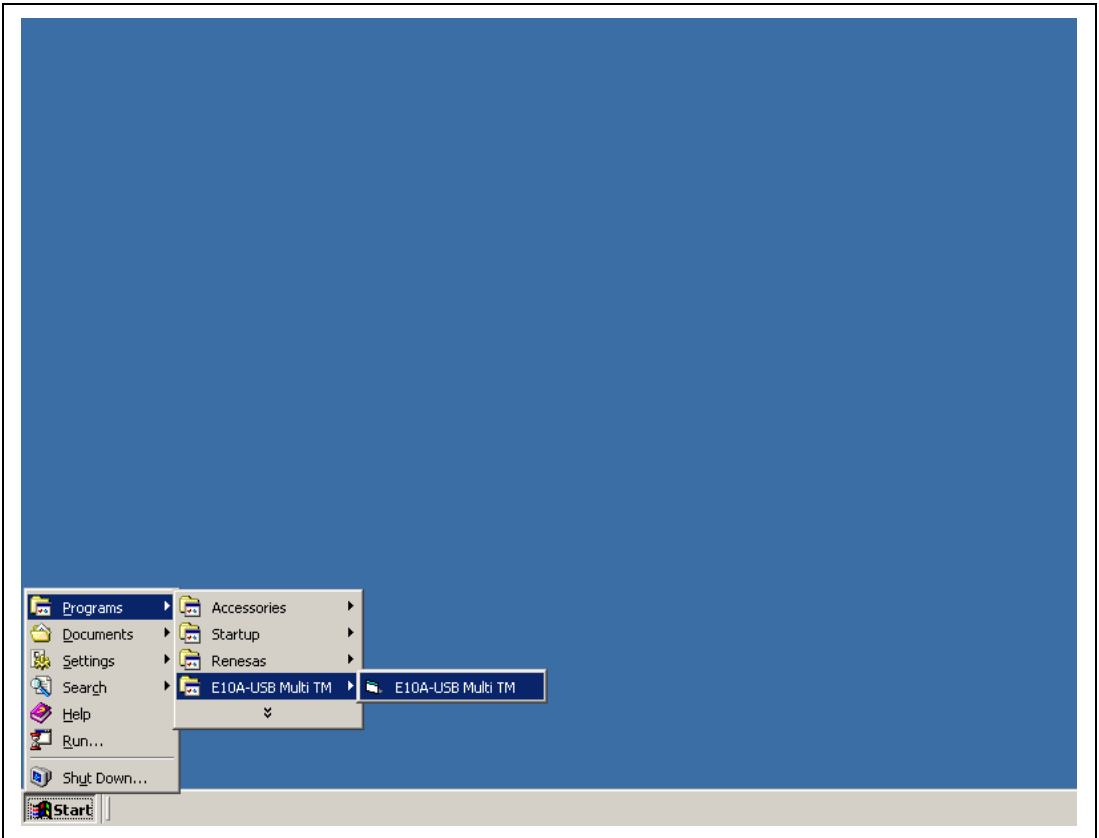
Clicking on the “Finish” button completes the installation.



**Figure 5 Finishing the Installation**

This finishes the installation. The [E10A-USB Multi TM] icon added to the [Start] menu (as shown in figure 6 indicates that the installation is complete.

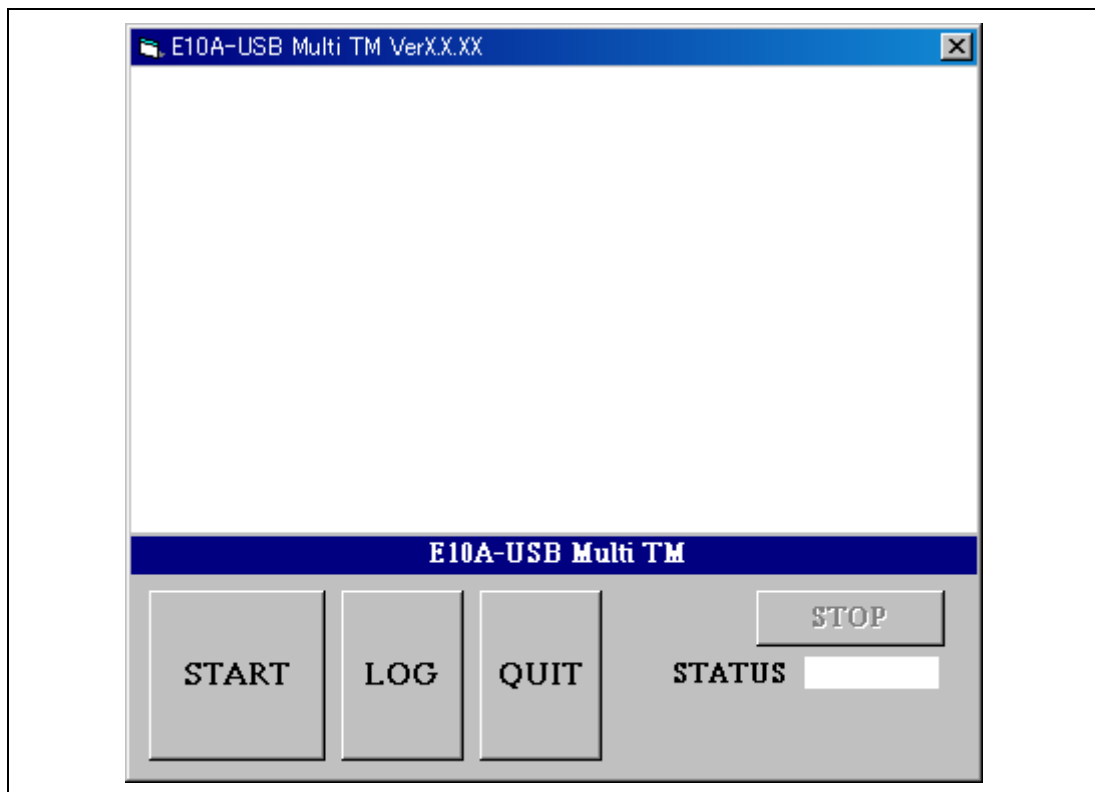
4. Start up the E10A-USB Multi TM from the [Start] menu.



**Figure 6 Starting Up the Test Program**

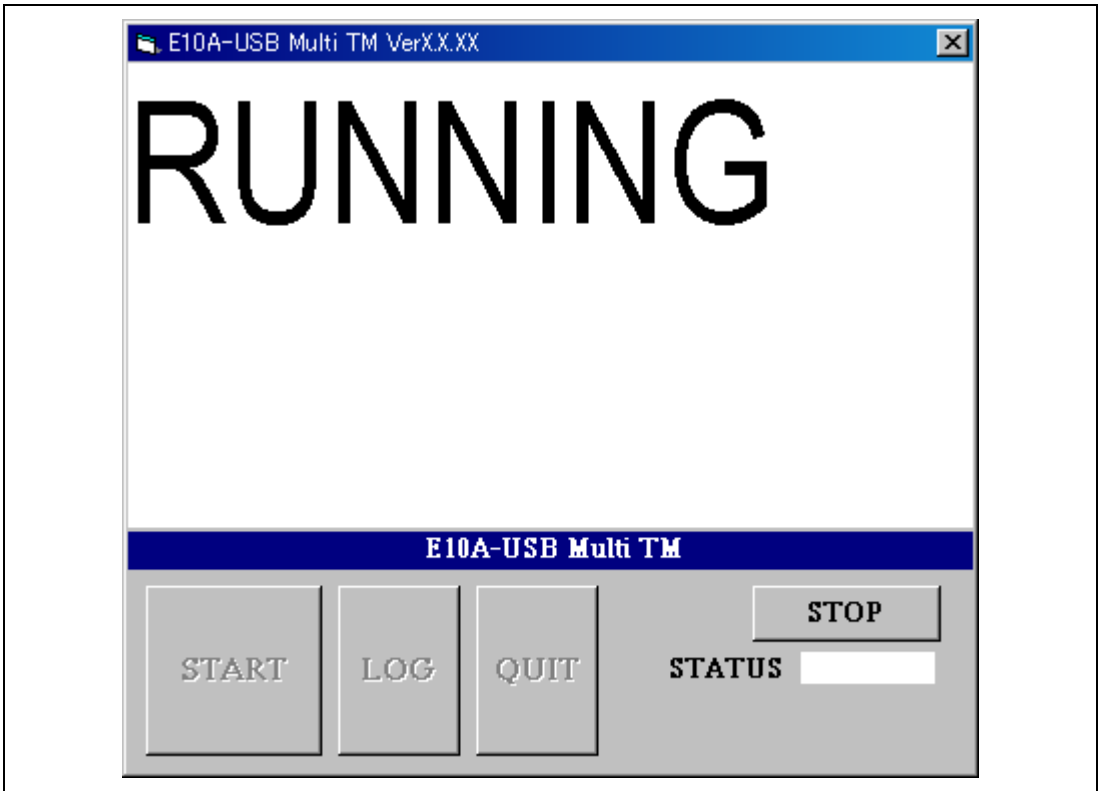
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5. After starting up the E10A-USB Multi TM, the screen will be displayed as shown in figure 7.



**Figure 7 Starting Up the Test Program**

- Click the “START” button appeared on the window. This starts execution of the test program showing the message “RUNNING”.



**Figure 8 Running the Test Program**

7. The message “FAIL” or “PASS” will be displayed. “PASS” indicates that there is no problem with the emulator. Click the “QUIT” button to complete the test program.

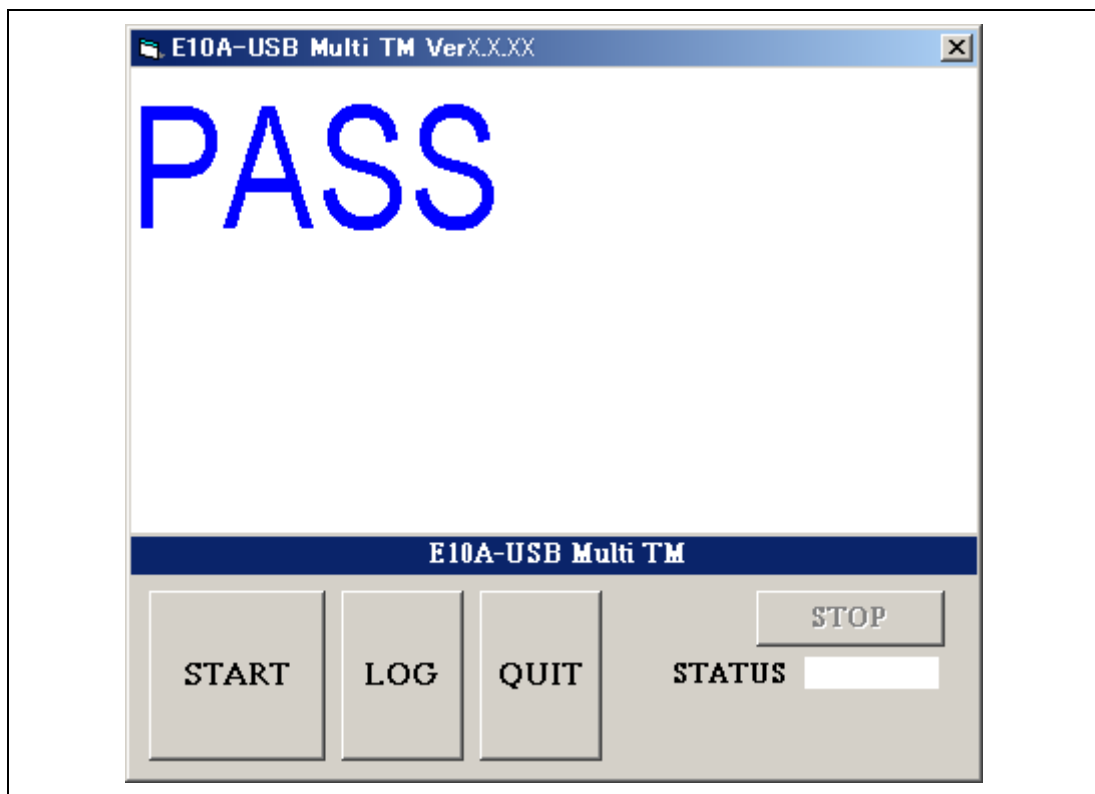
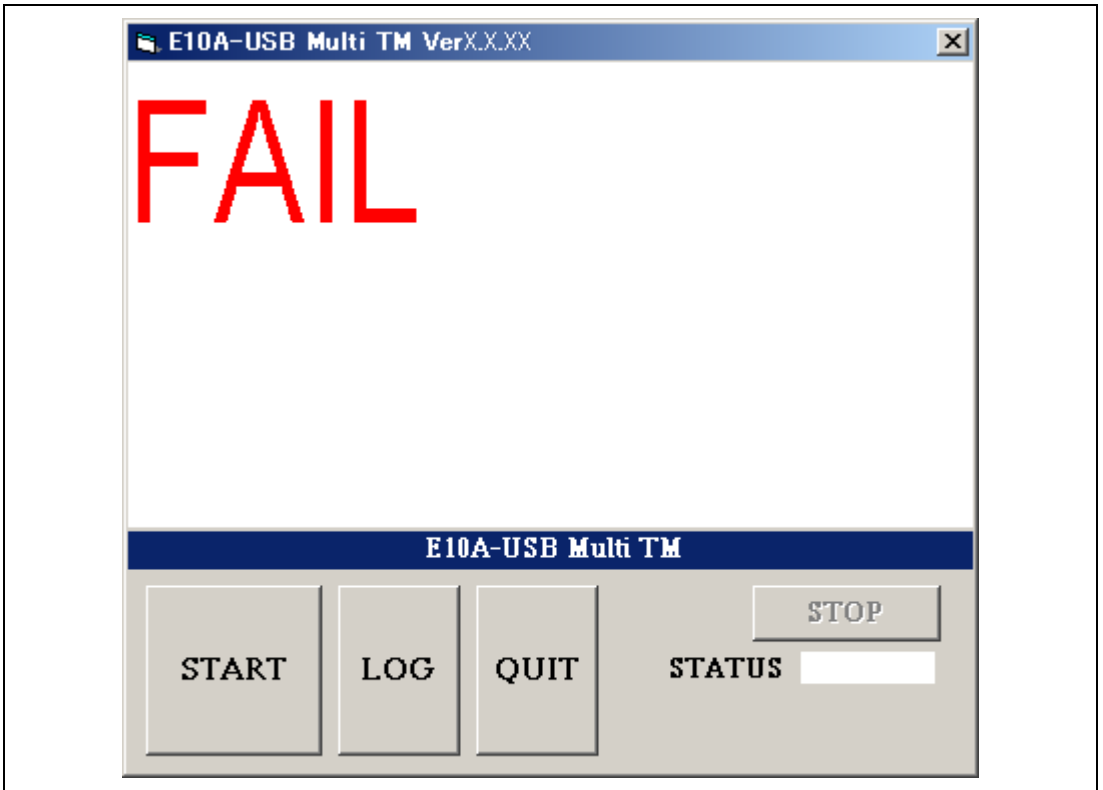


Figure 9 “PASS” Message

## 1.2 Process when an Error Occurred

Follow the procedure listed below if “FAIL” is displayed (i.e. an error has occurred) during execution of the test program.

1. If “FAIL” appears during execution of the test program, the status is displayed in the lower right side of the window, as well as a separate window indicating an error message.



**Figure 10 “FAIL” Message**

2. Click the “LOG” button to create a log file.
3. Go to the E10A-USB Multi TM installation directory and then find the "TM\_LOG.TXT" file. Send the file to the website of your region by e-mail.

The e-mail text should contain information such as your contact address, MCU in use, and details on the error that has occurred.

### 1.3 When a USB Connection is Not Established

To run the test program, it is assumed that a communication between the PC and the emulator is established via USB. If a message such as in figure 11 or figure 12 is displayed, check the following:

- (1) Is the PC setup for the environment under which USB is available?
- (2) Does the PC recognize the USB driver?
- (3) Is the USB cable connected? Are you using the attached USB cable?



Figure 11 USB Connection Error (1)



Figure 12 USB Connection Error (2)





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