

E100 Emulator Setup Guide

Rev.5.00 Jun.1,2021
REJ10J1755-0500
Renesas Electronics Corporation

1

Checking the package components

* Check to see if each product is in the following position. If the product is included in a bundled package, see the Packing List included separately.



Packing List (E100 emulator main unit)

1	E100 emulator main unit (R0E001000EMU00)	1
2	USB cable	1

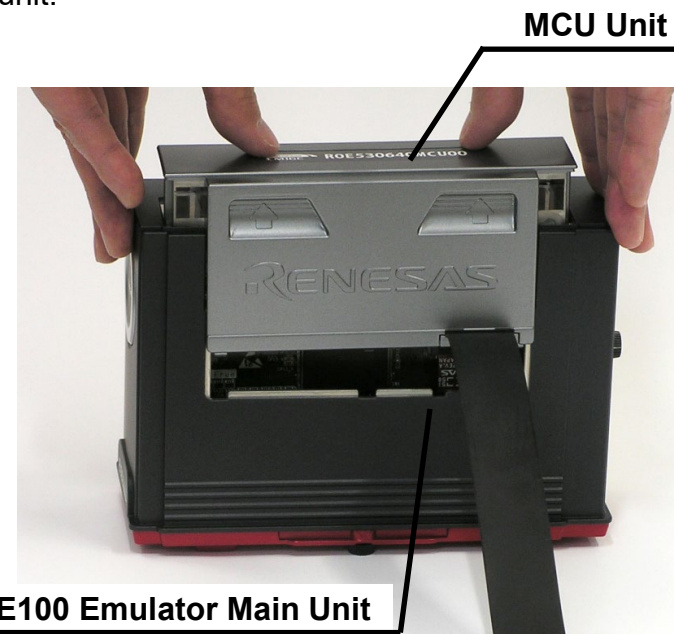
* Check that the hardware tool user registration sheet and repair request sheet are in the package.

Note 1: The rated voltage for this cable is 125 volts. When you connect to a power supply of more than 125V, use an appropriate cable for the voltage.

2

Connecting the MCU unit to the E100 emulator

- * Make sure the power is OFF when connecting the MCU unit to the emulator.
- * Insert the MCU unit following the inside rails of the main unit.



3

Connecting the Cables

- (1) Connecting the Emulator Power Supply
Connect the AC adapter to the emulator.
- (2) Connecting the USB cable
Connect the E100 to the host machine with the USB cable (included).



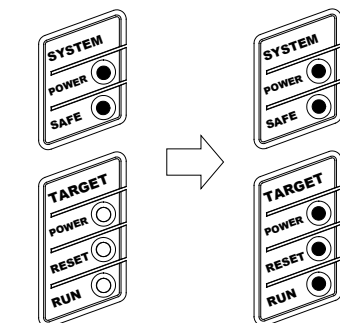
4

Installing the emulator debugger

Before turning on the power of the system, make sure to install the emulator debugger in the host machine as instructed by the messages displayed after inserting the included CD-ROM.

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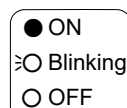
After verifying all connections, turn on the power to both the emulator system and the user system as simultaneously as possible. After the power is on and the LED lights are the same as shown below, both systems work properly.



Immediately after power-on

Normal start-up

- SAFE LED blinks
Check the USB cable is connected to the host machine.
- POWER, RESET and RUN LED blink
Check the MCU unit is inserted in the emulator.



7

After confirming the emulator has started up properly, start up the High-performance Embedded Workshop on the host machine and connect the E100 emulator. For details on starting up, see the user's manual of the MCU unit.

8

When you turn off the power of the emulator, after closing the High-performance Embedded Workshop, or disconnecting the emulator by the High-performance Embedded Workshop, turn off the power of the emulator and the user system as simultaneously as possible.

5

Connecting to the User System (when needed)

- * Make sure the power is OFF when connecting the E100 to the user system.
- * Separately supply power to the user system (power supply not included).
- * The user system requires PIN processing to operate the MCU (e.g. RESET pin, MODE pin, clock circuit, etc.)
- * The E100 can be used without a user system. In this case, do not attach a converter board to the E100's flexible cable. When starting the emulator with a converter board, the MCU will be in a reset status.



Be sure to read the user's manual of the MCU unit before using the product. It includes basic usage of the E100 emulator system and precautions for use. The manual is included in the attached CD-ROM to the MCU unit.