PG-FP5 Flash Memory Programmer

Setup Manual

R20UT0930EJ0300
Rev.3.00
Mar 02, 2015

Thank you for purchasing the PG-FP5 flash memory programmer.

This manual helps you to grasp the overview of preparation and startup for using the PG-FP5 and support for the product, so please read this manual thoroughly before using the product.

Note the following point before reading this manual.

Access one of the following websites for “Renesas Electronics website” that appears in this manual.

Except for Europe area: http://www.renesas.com/pg_fp5

For Europe area: http://www.renesas.eu/update → Section PG-FP5-EE

The above pages provide the latest versions of the following software and the user’s manual.

- Programming GUI (including USB driver)
- User’s manual
- PG-FP5 parameter file
- Firmware file
- FPGA file

Chapter 1 OVERVIEW

1.1 Checking the Package Contents

Check the package contents in accordance with the packing list supplied with the emulator. If there are any missing or damaged items, contact your local distributor.

1.2 User's Manual

The PG-FP5 package does not include the user's manual. Download the Renesas Electronics website. This manual is installed and registered in the Windows Start menu when the Programming GUI is installed.

Adobe Reader is required to view the PDF files. See the website of Adobe Systems Incorporated for information on Adobe Reader.

Chapter 2 SETUP

This chapter explains preparation and startup for using the PG-FP5. For detailed usage after startup, refer to the PG-FP5 user's manual.

2.1 Obtaining Software

Download the programming GUI, USB driver, and PG-FP5 parameter file (PR5 file) from the following Renesas Electronics website.

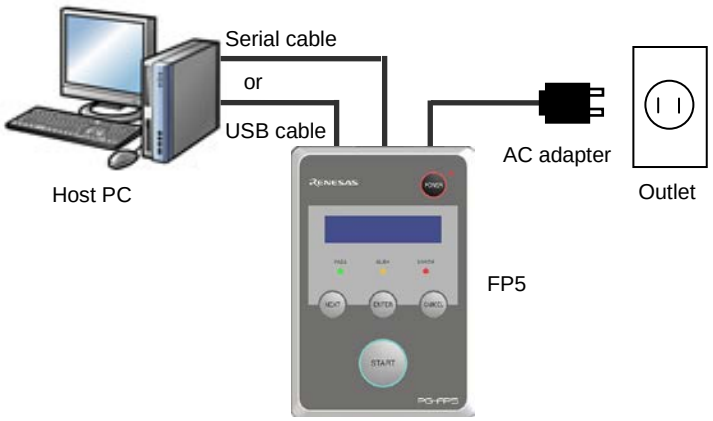
2.2 Installation

This section explains the installation procedure for the programming GUI, USB driver and parameter file (PR5 file).

Installation Order	Item	Method
1	Programming GUI, USB driver	Run the downloaded executable file (PG-FP5_Package_Vxxx.exe) and perform installation, following the directions on the installer screen. After installation, the USB driver detects the PG-FP5 by plug-and-play, and it is automatically added.
2	PR5 file	Decompress the downloaded file to any folder. A *.pr5 file is decompressed into any folder, so copy it to the FP5_PRJ folder where the programming GUI is installed.

2.3 System Connection

Connect a USB cable (or serial cable) to the USB port (or serial port) on the host PC, and the other side of the cable to the USB connector (or serial connector) on the PG-FP5. Plug in the AC adapter and then connect to the PG-FP5 power supply connector.



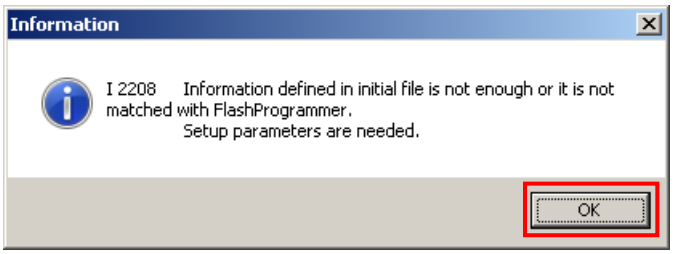
2.4 PG-FP5 Startup

After the cables are connected, press the POWER button on the PG-FP5. When the PG-FP5 is correctly started, the POWER LED is turned on and “Commands >” is displayed in the message display. If not, the cause may be a defect in the PG-FP5, contact your local distributor.

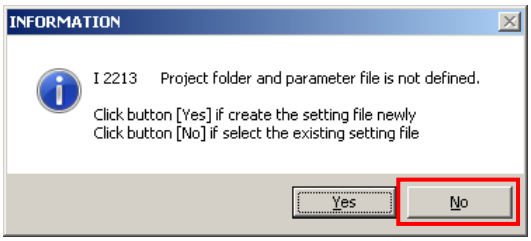
2.5 Startup of Programming GUI

Click the Start menu, “All Programs”, point to “Renesas Electronics Utilities”, “Programming Tools”, and then select “PG-FP5 Vx.xx” of “PG-FP5 Vx.xx” to start the Programming GUI. Perform the following steps.

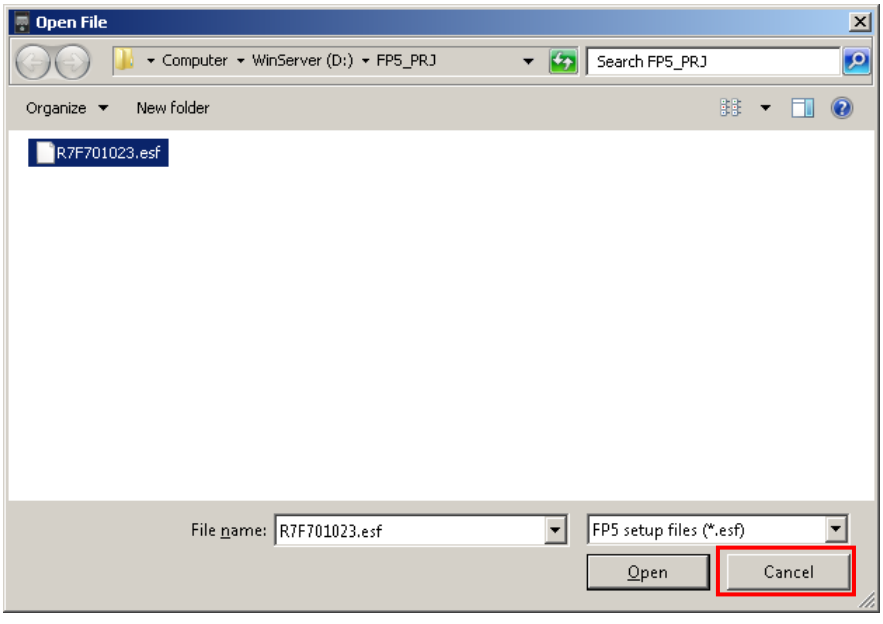
(1) The following message will be displayed. Click the OK button.



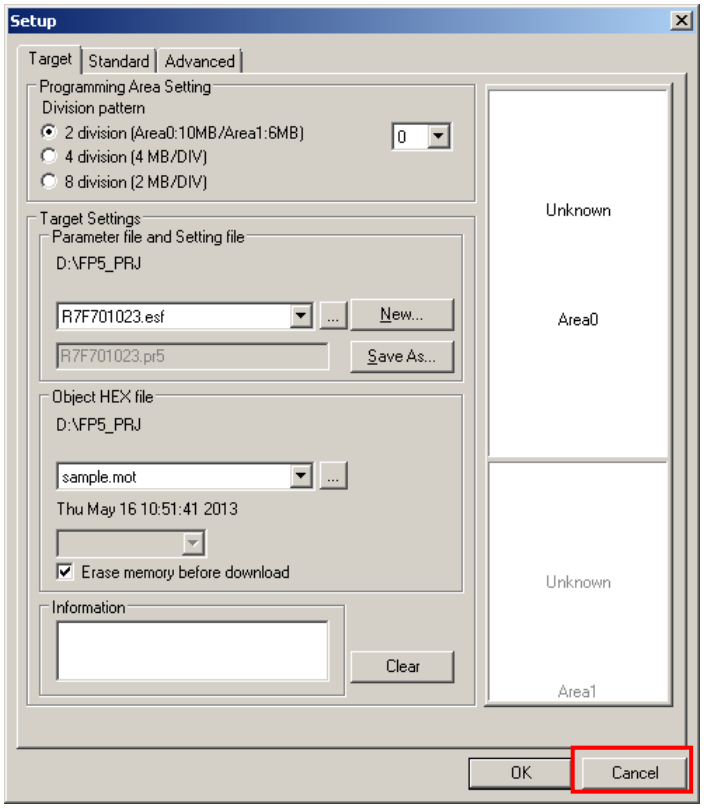
(2) The following message will be displayed. Click the No button.



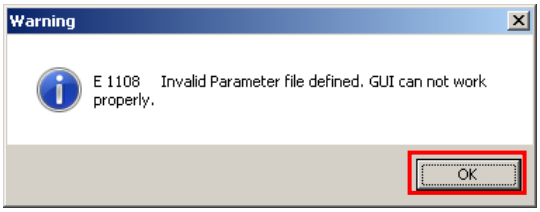
(3) The following dialog box will be displayed. Click the Cancel button.



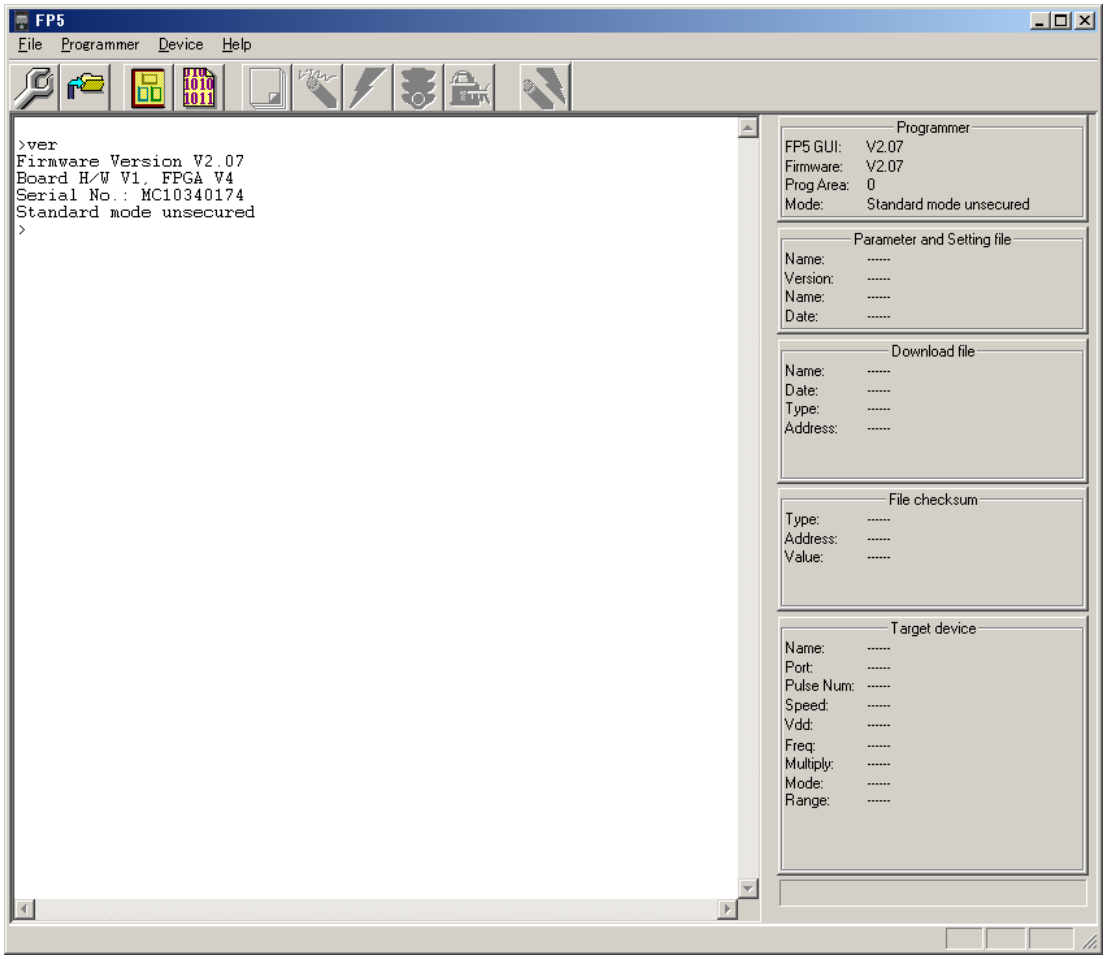
(4) The Setup dialog box will be displayed. Click the Cancel button.



(5) The following message will be displayed. Click the OK button.



(6) The main window will open.



2.6 Check and Update of Version

Use of the latest versions of the Programming GUI, firmware and FPGA is recommended. Versions can be checked as shown below. For how to update, refer to **3.4 Update of Programming GUI, firmware and FPGA** in the *PG-FP5 User's Manual*.

Programming GUI: [Help] menu → [About]

Firmware: [Programmer] menu → [Reset] command[Note]

FPGA: [Programmer] menu → [Reset] command[Note]

Note Display example of [Reset] command

```
>ver
Firmware Version V2.07   <-- Firmware version
Board H/W V1,  FPGA V4   <-- FPGA version
Serial No.: MC10340174
Standard mode unsecured
```

2.7 Completion of Setup

This completes the PG-FP5 setup. The Programming GUI can now be used. For how to perform the setup specific to the device or to perform programming with the target system connected, refer to the PG-FP5 User's Manual and the user's manual for the target device.

Perform self-testing in case of trouble. If it does not solve the problem, please see the FAQ
(except for Europe area: http://www.renesas.com/support/, for Europe area: http://www.renesas.eu/update),
or contact Renesas Electronics for inquiries (http://www.renesas.com/contact/).

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