

S5U1C17001H User Manual errata

ITEM:			
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S5U1C17001H User Manual	411153600	6.1	16
<p>(Error)</p> <h3>6.1 Preparation for Flash Programming</h3> <p>The Flash programming feature allows programming the target system's Flash memory with data such as a program, which has been downloaded into the S5U1C17001H's internal Flash memory.</p> <p>First download the data to program the target system's Flash memory into the S5U1C17001H by the procedure described below.</p> <p>(1) Convert the file for programming the Flash memory into a Motorola S3 file.</p> <p>Use "objcopy.exe" included in the S1C17 Family C Compiler Package for file conversion.</p> <p>Example: 1. Convert "sample.elf" into a Motorola S3 file.</p> <pre>>objcopy -O srec -R .gbss --srec-forceS3 sample.elf sample.sa</pre> <p>2. Fill the unused addresses in "sample.sa" and generate "sample.saf."</p> <p>(when the start address and block size to be filled are 0x8000 and 0x1000, respectively)</p> <pre>>moto2ff 0x8000 1000 sample.sa</pre> <p>(2) Start up the S5U1C17001H in ICD mode (see Section 5.2).</p> <p>(3) Start up the debugger.</p> <p>1. Launch GDB.</p> <pre>>gdb</pre> <p>2. Connect the target.</p> <pre>(gdb) target icd usb</pre> <p>(4) If the S5U1C17001H contains an unnecessary program/data used previously, clear it using the c17 fwe command.</p> <p>(5) Download a Flash erase/program routine into the S5U1C17001H using the c17 fwlp command.</p> <p>Example: Load the data erase/write program file "writer.sa."</p> <p>(when the erase routine start address is 0x4c and the write routine start address is 0x80)</p> <pre>(gdb) c17 fwlp writer.sa 0x4c 0x80</pre>			

(Correct)

6.1 Preparation for Flash Programming

The Flash programming feature allows programming the target system's Flash memory with data such as a program, which has been downloaded into the S5U1C17001H's internal Flash memory.

First download the data to program the target system's Flash memory into the S5U1C17001H by the procedure described below.

(1) Convert the file for programming the Flash memory into a Motorola S3 file.

Use "objcopy.exe" included in the S1C17 Family C Compiler Package for file conversion.

Example: 1. Convert "sample.elf" into a Motorola S3 file.

```
>objcopy -O srec -R .gbss --srec-forceS3 sample.elf sample.sa
```

2. Fill the unused addresses in "sample.sa" and generate "sample.saf."

(when the start address and block size to be filled are 0x8000 and 0x1000, respectively)

```
>moto2ff 8000 1000 sample.sa
```

(2) Start up the S5U1C17001H in ICD mode (see Section 5.2).

(3) Start up the debugger.

1. Launch GDB.

```
>gdb
```

2. Connect the target.

```
(gdb) target icd usb
```

(4) If the S5U1C17001H contains an unnecessary program/data used previously, clear it using the c17 fwe command.

(5) Download a Flash erase/program routine into the S5U1C17001H using the c17 fwlp command.

Example: Load the data erase/write program file "writer.sa."

(when the erase routine start address is 0x4c and the write routine start address is 0x80)

```
(gdb) c17 fwlp writer.sa 0x4c 0x80
```

For details of the Flash erase/write program, see the read me document following installation of GNU17.

C:\EPSON\GNU17\mcu_mode\xxxxx\fls\ (Default installation)