



**THE DATASHEET OF
R5F565NEDDFC#30**



Contents List of RX65N Envision Kit Firmware

Demo Firmware

By writing this firmware to a USB memory stick, you can rewrite the firmware on the board during a demo.

| Documentation and demo software | Description |
|------------------------------------|---|
| Standard Firmware | Download the latest versions of four types of demo firmware (2D Drawing Engine, Bouncing Balls, Mandelbrot Calculation, and Firmware Bank Swap Demo). |
| Benchmark Firmware | Download demo firmware for benchmarking (dual bank rewriting image, storage benchmark, and system log). |

Documentation and so on can be downloaded below.

[\(Download Link\)](#)

| Documentation and demo software | Description |
|---|---|
| Demo firmware (source code) | Download the latest versions of four types of demo software (2D Drawing Engine, Bouncing Balls, Mandelbrot Calculation, and Firmware Bank Swap Demo). |
| User's manual (instruction manual) | Download the instruction manual for this kit. (Download Link) |
| Circuit diagram and bill of materials | Download the circuit diagram and bill of materials for this kit. |
| Declaration of conformity for CE logo | Declaration of conformity for the CE logo for Europe. |
| Declaration of conformity for China | Declaration of conformity for China. |

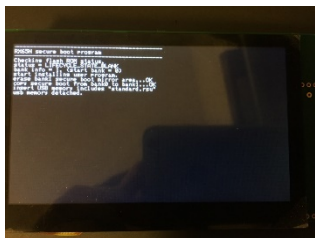
| name on website | download filename | contents | Description |
|--------------------|-------------------|--------------|---------------------|
| Standard Firmware | standard.zip | std.rsu | initial |
| | | stdxxx.rsu | update(xxx=version) |
| Benchmark Firmware | benchmark.zip | bench.rsu | initial |
| | | benchxxx.rsu | update(xxx=version) |

| name on website | download filename | contents | description |
|----------------------------|-----------------------|-----------------------------------|------------------------|
| Demo firmware(source code) | rx65n_envisionkit.zip | rx65n_secure_boot | boot loader project |
| | | standard | standard demo project |
| | | benchmark | benchmark demo project |
| | | convert.exe | mot file converter |
| | | rx65n_envisionkit_demo_readme.txt | readme |

Quick Start to Update



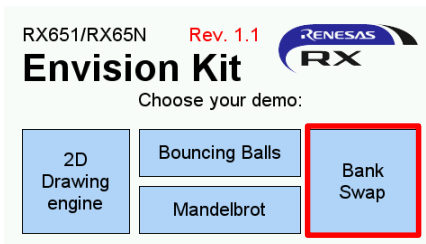
power on reset



Boot loader initial message

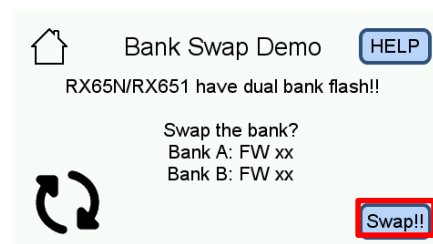
(primary bank)

wait



Wakeup standard demo

push bank swap



swap bank and software reset



Insert USB memory stick into your RX65N Envision Kit.



Download all of latest Demo Firmware file, and de-compress zip file to extract firmware file(*.rsu), and input them(*.rsu) into your USB memory stick.

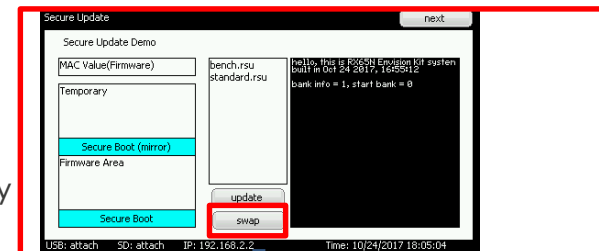
(secondary bank)

wait



Wakeup benchmark demo

touch display



swap bank and software reset



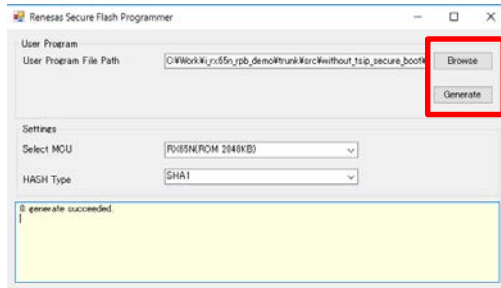
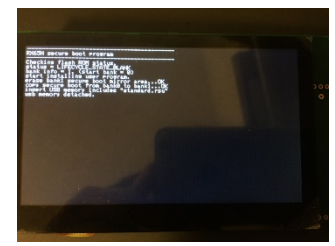
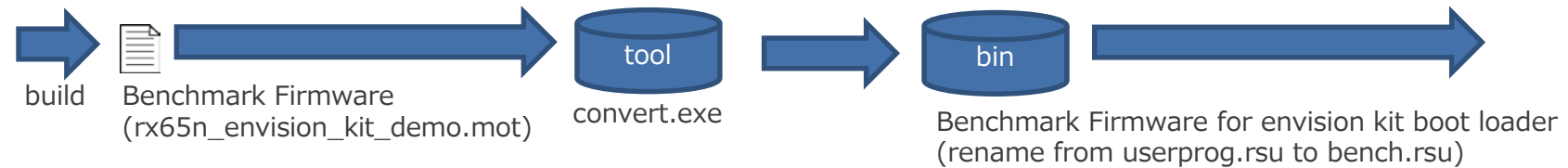
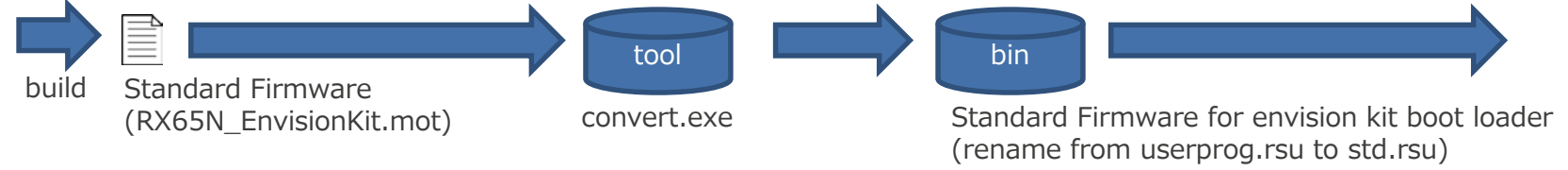
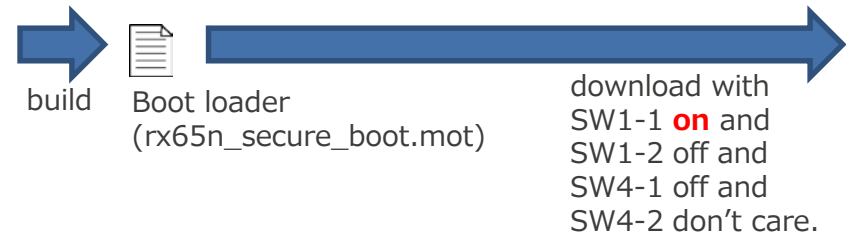
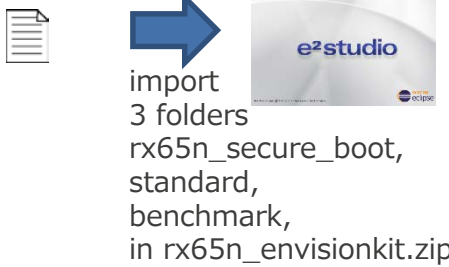
Renesas website
RX65N Envision Kit page

How to Update:
You can choose update data from file list. The file list comes from *.rsu file in your USB memory. You can update other bank of demo. Please select benchxxx.rsu or stdxxx.rsu and push update button.

Please refer to this data flow if you need customization for demo, confirm behavior of demo, etc.

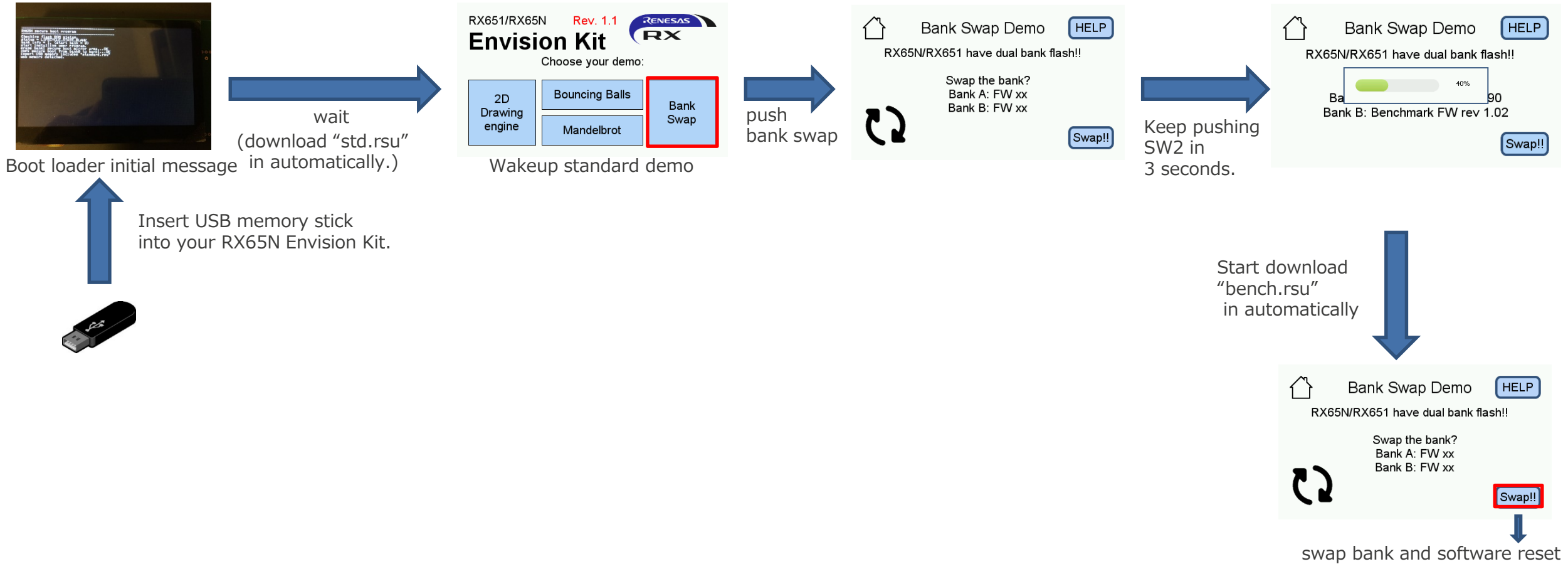
Data flow of firmware installation

Demo firmware (source code)



Convert from *.mot to *.rsu.

Data flow of firmware installation



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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- ⊖ [Renesas Electronics America](#) Information

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