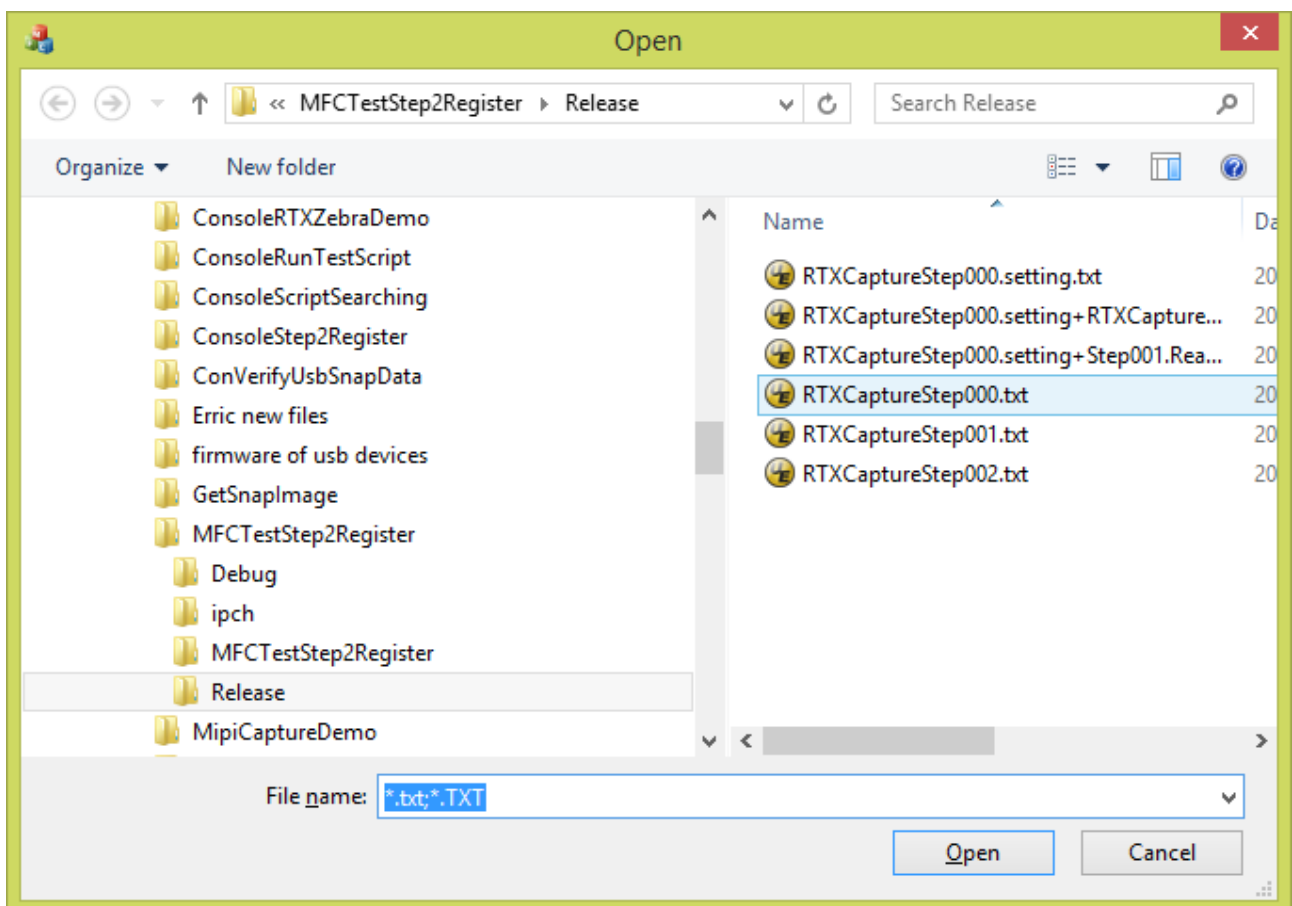
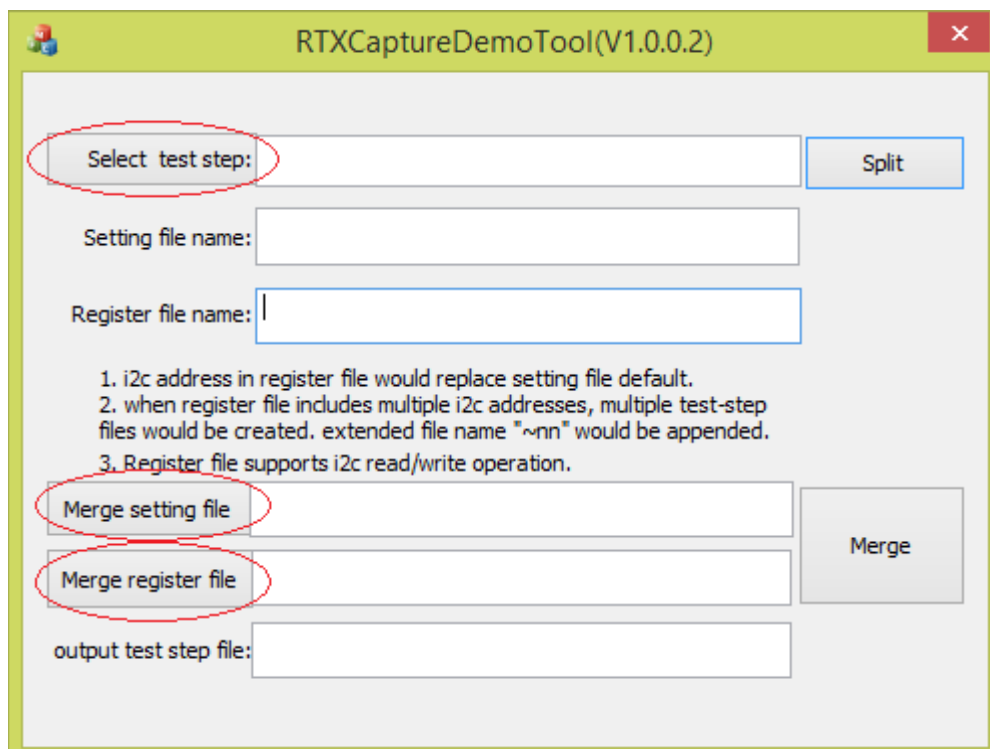


Tool for to split Zebra test-step file into setting and I2C register files or to merge a Zebra setting-file and a I2C register-file to Zebra test-step-file.

The screenshot shows a Windows application window titled "RTXCaptureDemoTool(V1.0.0.2)". The window has a light green title bar with a standard Windows icon on the left and a red close button on the right. The main content area is light gray and contains the following elements:

- A "Split" section with a label "Select test step:" followed by a text input field and a "Split" button.
- A "Setting file name:" label followed by a text input field.
- A "Register file name:" label followed by a text input field.
- A list of three instructions:
 1. i2c address in register file would replace setting file default.
 2. when register file includes multiple i2c addresses, multiple test-step files would be created. extended file name "~nn" would be appended.
 3. Register file supports i2c read/write operation.
- A "Merge" section with two labels, "Merge setting file" and "Merge register file", each followed by a text input field. To the right of these fields is a "Merge" button.
- An "output test step file:" label followed by a text input field.

Button labeled “Select test step:”, "Merge setting file" and "Merge register file" select the test-step, setting and register files to be processing.



Sample of to select one of Zebra test step files from dialog-box.

After test-step-file is selected, Tool automatically set setting-file name and register-file name.

RTXCaptureDemoTool(V1.0.0.2)

Select test step: FCTestStep2Register\Release\RTXCaptureStep000.txt Split

Setting file name: RTXCaptureStep000.setting.txt

Register file name: RTXCaptureStep000.Register.ovt

1. i2c address in register file would replace setting file default.
2. when register file includes multiple i2c addresses, multiple test-step files would be created. extended file name "~nn" would be appended.
3. Register file supports i2c read/write operation.

Merge setting file Merge

Merge register file

output test step file:

You could edit the setting-file and register-file names as you want.

RTXCaptureDemoTool(V1.0.0.2)

Select test step: FCTestStep2Register\Release\RTXCaptureStep000.txt Split

Setting file name: RTXCaptureStep000.setting.txt

Register file name: RTXCaptureStep000.Register.ovt

1. i2c address in register file would replace setting file default.
2. when register file includes multiple i2c addresses, multiple test-step files would be created. extended file name "~nn" would be appended.
3. Register file supports i2c read/write operation.

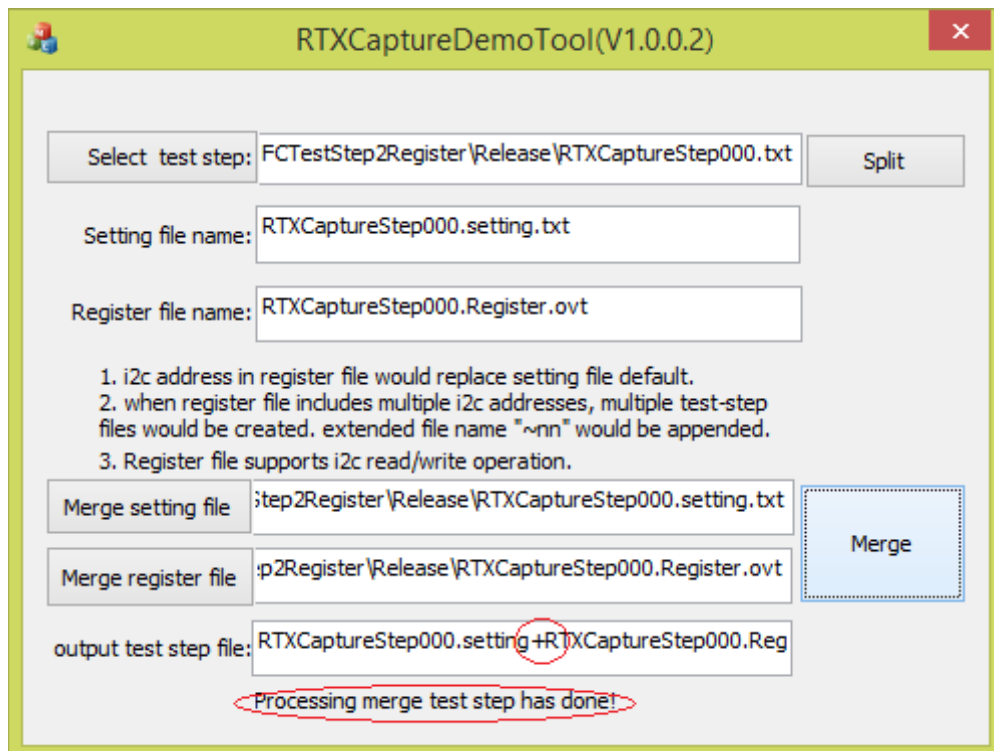
Merge setting file Merge

Merge register file

output test step file:

Processing split test step has done!

Button labled “**Split**” triggers the splitting action; and this execution done message shows on bottom.



The merging setting file and register file to test-step file is supported by tool. "**Merge**" button kick-off this function.

Output test step file name could be edited by you. Program defaults to create one by <setting name>+<register name>.txt.

The register-file is a hexadecimal text file; it includes i2c device address, sub-register-address and its read/write data; its string format as:

I2c register file format

Write format:

<i2c device address> <sub-address(offset) 1 byte or 2 bytes> <data bytes>

examples:

6c 0103 01

6c : i2c device address (includes write flag),
0103 : 2 bytes sub-address
01 : 1 byte data to be write

Read format:

<i2c device address> <how many bytes to be read> <sub-address(offset) 1 byte or 2 bytes>

example 1:

6d 1 0120

6d : i2c device address (includes read flag)
1 : 1 byte data be read
0120 : 2 byte sub-address

example 2:

6d 2

6d : i2c device address (includes read flag)
2 : 2 bytes data be read