

W7500x ISP tool manual

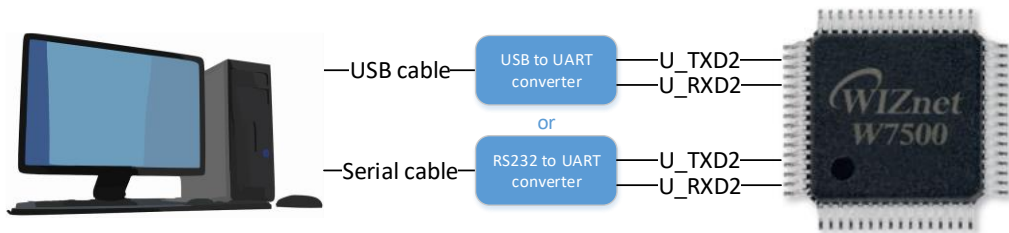
Document History

Ver 1.0.0 (Sep. 18, 2018)	First release
---------------------------	---------------

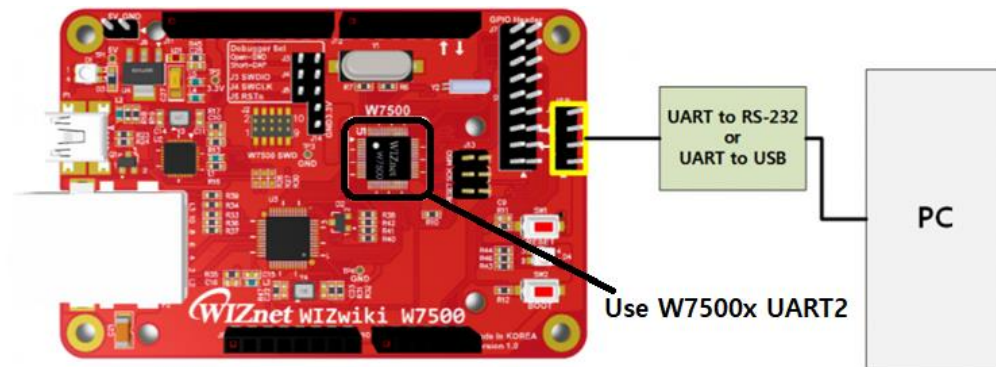
For more information, visit our website at <http://www.wiznet.io>

1. When W7500P is in the BOOT mode, firmware writing is possible via the USB cable. As USB Connector supports the UART2 signals, you need to connect between your PC and WIZwiki-W7500P with USB cable.

Please refer the block diagram setting as shown below.



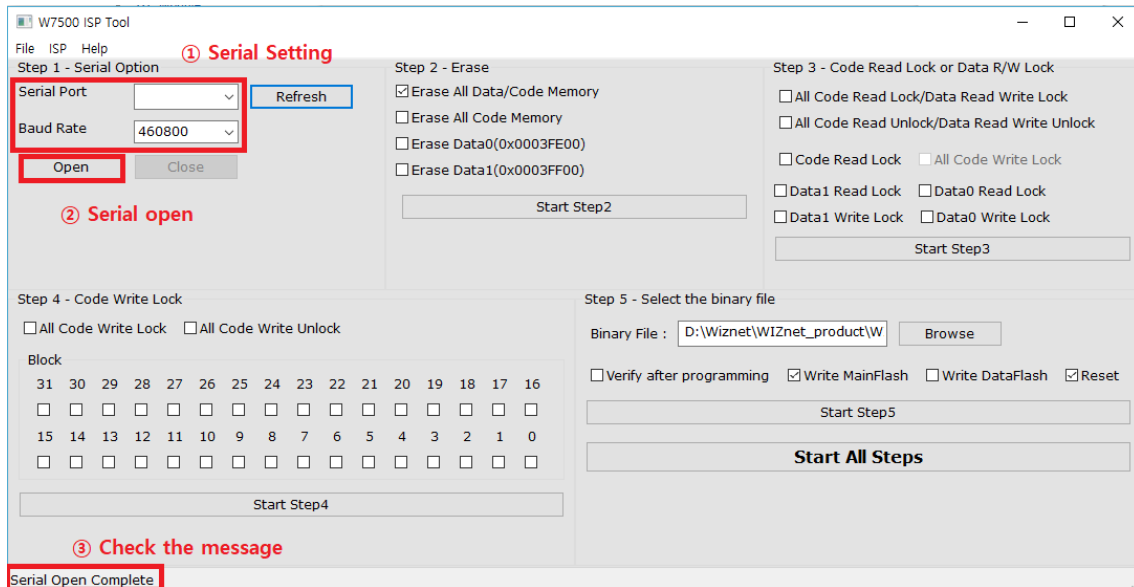
If user use WIZwiki-W7500 board, refer to below picture.



2. Run "W7500 ISP Tool.exe"
3. Select the device connected to USB Cable from "Serial Port" and click "Open". If you entered Boot Mode successfully, then "Serial Open Complete" message will be printed on the status bar at the bottom of window.

(Before click the open button of ISP tool, we suggest you to test it in other terminal windows.

After opening serial port using the terminal windows, enter the capital "U". If it is in the ISP mode, you can see the returned character.)



4. There are 6 steps in W7500x ISP tool. The first step is a serial connection and second step is to erase in w7500x code/data memories. It erases memory before programming file. User can select to 4 section.

- Erase All Data/Code Memory section is erases all flash memories.
- Erase All Code Memory is erases 'code flash' memory.
- Erase Data0(0x0003FE00) is erases data 0 flash section.
- Erase Data1(0x0003FF00) is erases data 1 flash section.

The third and fourth step is locking to code/data flash read/write. User can lock to all memories sections. If you want to lock after programming w7500x, the user checks to “Step 3’s All Code Read Lock/Data Read Write Lock” and “Step 4’s All Code Write Lock”

The fifth step is selecting a binary file. User can click to “Browse” and select the binary file.

The final step is choosing to memory write section. And the user can choose to reset after programming done.

① Check the 'Erase' section

② Check the 'Code read' section

③ Check the 'Code write' section

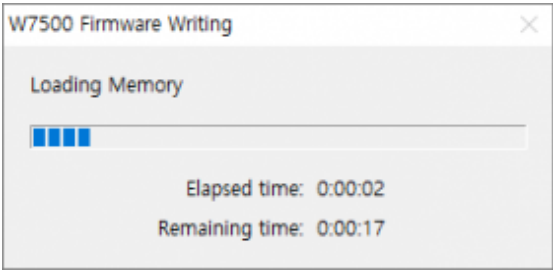
④ Select upload file

⑤ Check the 'write area' section.

⑥ F/W upload start

Serial Open Complete

If ready to ISP setting, click “Start All Steps” button, then the firmware writing will be performed.



5. After the firmware writing completes, the window like below will pop up.

