

WizFi360

Firmware Update Guide

Version 1.2
WIZnet Co.,Ltd
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Ver	Date	Description
1.00	2019.07.29	Initial version
1.10	2019.08.01	Added explanation about firmware updates using the cloud
1.20	2019.08.09	Modified explanation about Using upgrade tool



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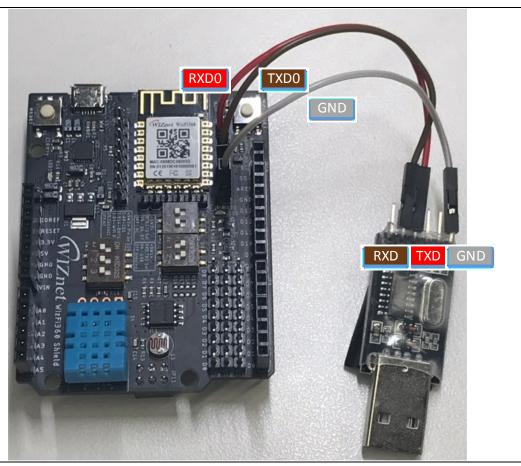
1. The method of firmware update

The firmware update are method of two that it is the method of using through Serial and the method of using AT command through WiFi.

1.1 Using the Tera Term (Serial)

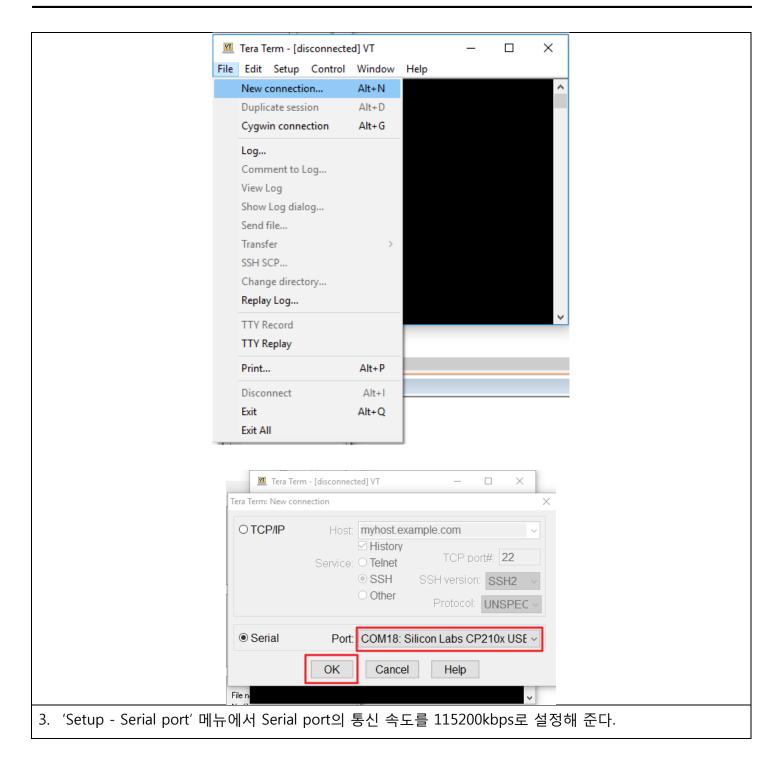
- 1.1.1 Required hardware and software
 - WizFi360-EVB
 - Tera Term
 - TTL to USB module
 - WizFi360 Firmware: WizFi360_SDK.img
 - https://github.com/WIZnet-WizFi360/Release/tree/master/Binary
- 1.1.2 How to download the firmware using the Serial
- 1. To upload the firmware of WiZFi360, use UARTO, and connects with TTL to USB as below.



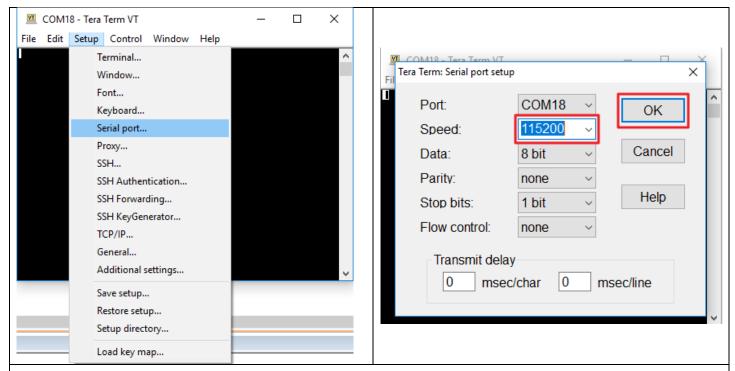


2. Run the Tera Term, go to 'File - New connection' menu, select 'Serial', and choose the port to which WizFi360 is connected.

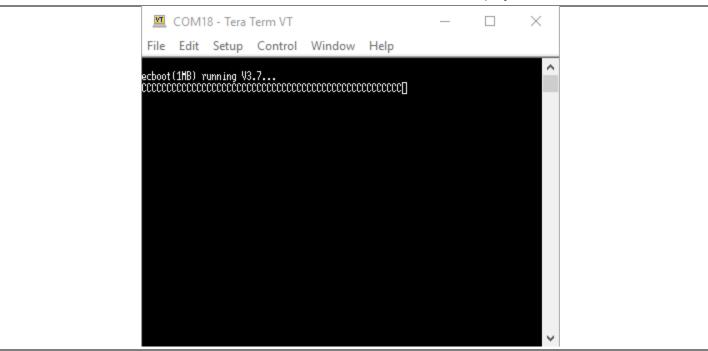






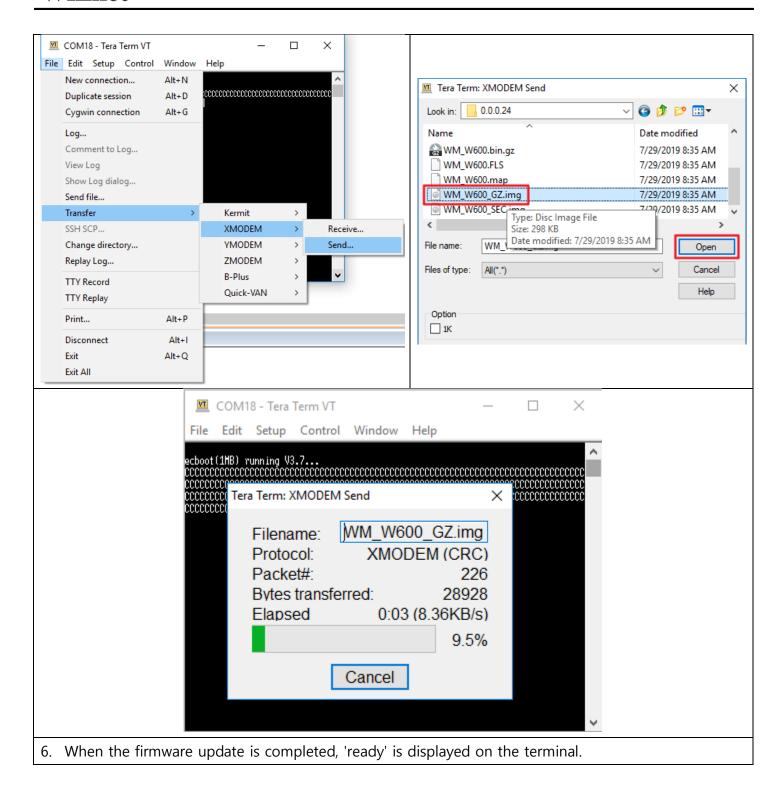


4. While holding down the ESC key on the keyboard, press the reset button on the WizFi360 to enter the Boot mode. When boot mode is entered, the below screen is displayed.

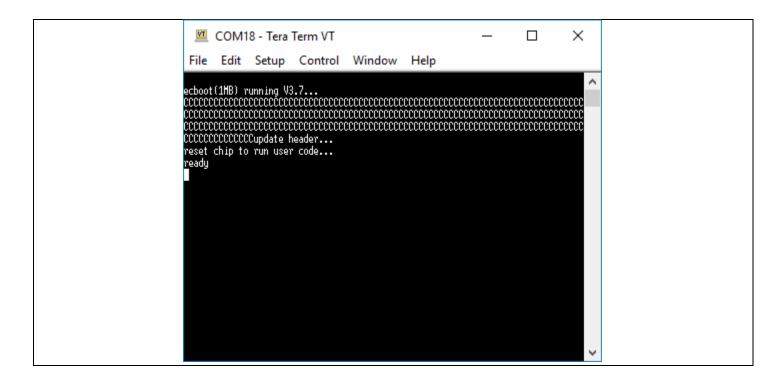


5. Go to 'File - Transfer - XMODEM - Send' menu, select the binary file and click OK button to proceed the firmware update.







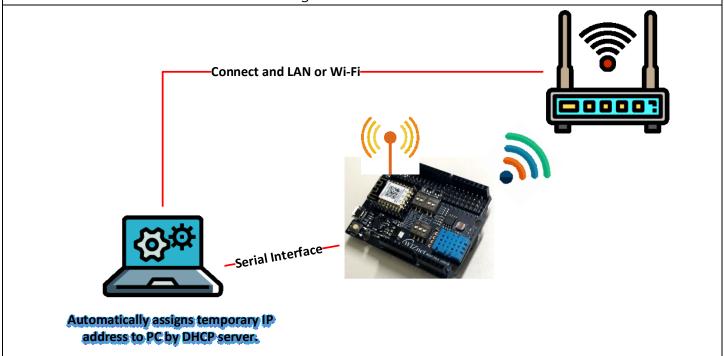




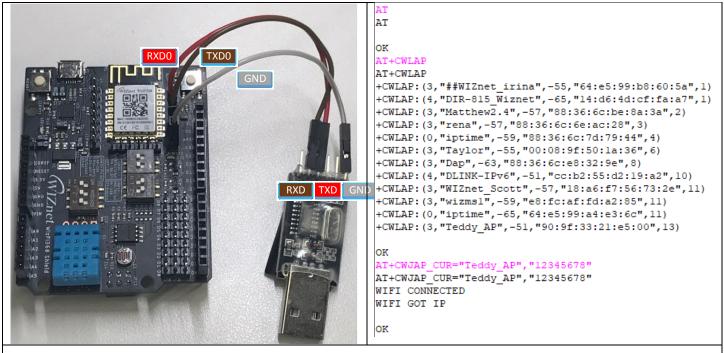
1.2 Using the Cloud

1.2.1 How to download the firmware using the Cloud (Wi-Fi)

1. Connect the PC, WizFi360, and Router as shown below. The router must be connected to the Internet, and WizFi360 and PC are assigned an IP by DHCP Server of router. WizFi360 and TTL to USB connect as shown in below image.







2. Use the AT command to upgrade the firmware like below.

```
(10:09:15.104) ready<CR><LF>
(10:09:21.898) AT+CWMODE_CUR=1<CR><LF>
(10:09:22.039) AT+CWMODE_CUR=1<CR><LF>
(10:09:22.039) <CR><LF>
(10:09:22.039) OK<CR><|F>
(10:09:22.932) AT+CWLAP<CR><LF>
(10:09:23.081) AT+CWLAP<CR><LF>
(10:09:24.769) +CWLAP:(3,"##WIZnet_irina",-53,"64:e5:99:b8:60:5a",1,1)<CR><LF>
(10:09:24.854) +CWLAP:(4,"DIR-815_Wiznet",-59,"14:d6:4d:cf:fa:a7",1,1)<CR><LF>(10:09:24.854) +CWLAP:(3,"Matthew2.4",-61,"88:36:6c:be:8a:3a",2,1)<CR><LF>
(10:09:24.854) +CWLAP:(0,"iptime",-69,"88:36:6c:7d:79:44",4,1)<CR><LF>
(10:09:24.854) +CWLAP:(3,"Dap",-57,"88:36:6c:e8:32:9e",3,1)<CR><LF>
(10:09:24.854) +CWLAP:(4,"Teddy_AP",-38,"90:9f:33:21:e5:00",5,1)<CR><LF>
(10:09:24.854) +CWLAP:(0,"WizFi630S_AP_57985E",-57,"00:08:dc:57:98:5e",6,0)<CR><LF>
(10:09:24.854) +CWLAP:(4, "DLINK-IPv6", -51, "cc:b2:55:d2:19:a2",7,1) < CR>< LF>
(10:09:24.854) +CWLAP:(3,"WIZnet_Scott",-44,"18:a6:f7:56:73:2e",6,1)<CR><LF>
(10:09:24.854) +CWLAP:(3, "rena", -53, "88:36:6c:6e:ac:28", 9,1)<CR><LF>
(10:09:24.854) +CWLAP:(3,"wizms1",-61,"e8:fc:af:fd:a2:85",11,1)<CR><LF>(10:09:24.854) +CWLAP:(0,"iptime",-71,"64:e5:99:a4:e3:6c",11,1)<CR><LF>
(10:09:24.854) +CWLAP:(0,"ESP_577CC7",-85,"2e:f4:32:57:7c:c7",11,0)<CR><LF>
(10:09:24.854) <CR><LF>
(10:09:24.854) OK<CR><1 E>
(10:09:25.523) AT+CWJAP_CUR="Teddy_AP","12345678"<CR><LF>
(10:09:25.669) AT+CWJAP_CUR="Teddy_AP","12345678"<CR><LF>
(10:09:29.122) WIFI CONNECTED<CR><LF>
(10:09:29.122) WIFI GOT IP<CR><LF>
(10:09:29.122) <CR><LF>
(10:09:29.122) OK<CR><LF>
(10:09:38.905) AT+CIUPDATE<CR><LF>
(10:09:39.052) AT+CIUPDATE<CR><LF>
(10:09:39.161) +CIPUPDATE:1<CR><LF>
(10:09:39.781) +CIPUPDATE:2<CR><LF>
(10:09:39.781) +CIPUPDATE:3<CR><LF>
(10:09:54.538) +CIPUPDATE:4<CR><LF>
(10:09:54.645) <CR><LF>
(10:09:54.645) OK<CR><LF>
(10:10:01.939) <CR><LF>
(10:10:01.939) ready<CR><LF>
```



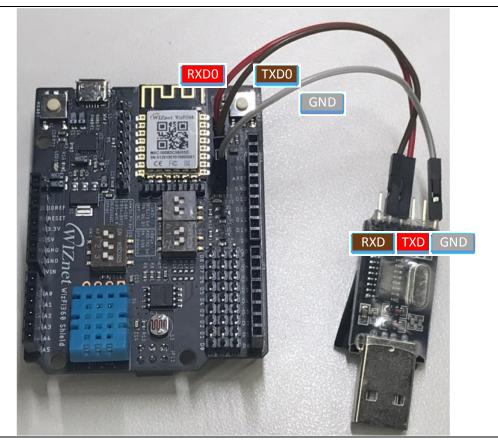
1.3 Using the Upgrade tool (Serial/WiFi)

1.3.1 Required hardware and software

- WizFi360-EVB
- WizFi360 Upgrade Tool
- TTL to USB module
- WizFi360 Firmware: WizFi360_SDK.img

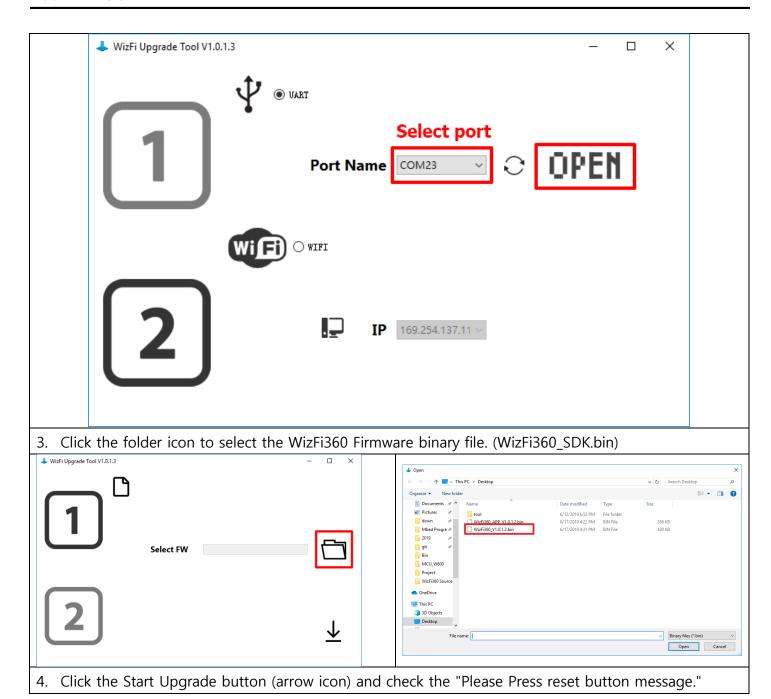
1.3.2 How to download the firmware using the Upgrade Tool(Serial)

1. Use UARTO of WizFi360 to upload the Firmware and it connects the WizFi360 to the TTL to USB is as below.

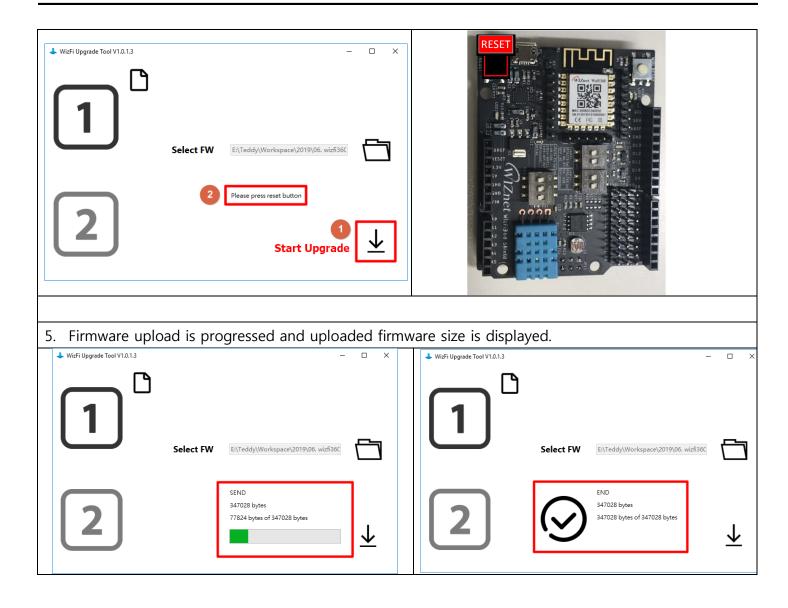


2. Open the WizFi Upgrade Tool and Open the Serial port of WizFi360.





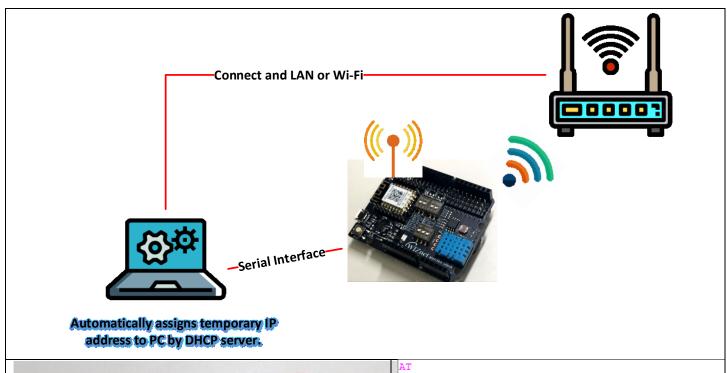


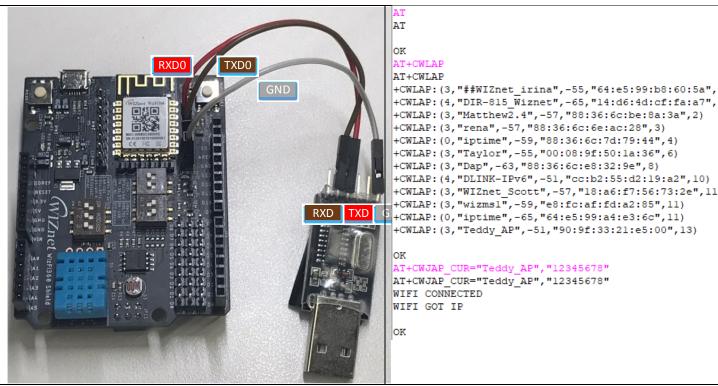


1.3.3 How to download the firmware using the Upgrade Tool(Wi-Fi)

1. Use UARTO of WizFi360 to upload the Firmware and it connects the WizFi360 to the TTL to USB is as below. Also the WizFi360 and PC assigned the IP from Router that is having DHCP Server.







2. Click the WiFi option of the Upgrade Tool.



