How to debrick Xiaomi 4A Gigabit router with Mi Wifi Repair Tool x86 for Microsoft Windows 10

Download the Xiaomi Mi Wifi Repair Tool x86 from

http://www1.miwifi.com/miwifi_download.html

小米路由器修复工具

PC客户端
建议关闭杀毒软件后使用
使用说明（含刷机教程）

下载

Xiaomi Router Repair Tool

PC client
It is recommended to use after turni download
antivirus software
Instructions for use (including flashing tutorial)

Download and extract the OEM firmware. The following files are for **the 4A Gigabit model** (Not 4A 100m, or any other Xiaomi router)

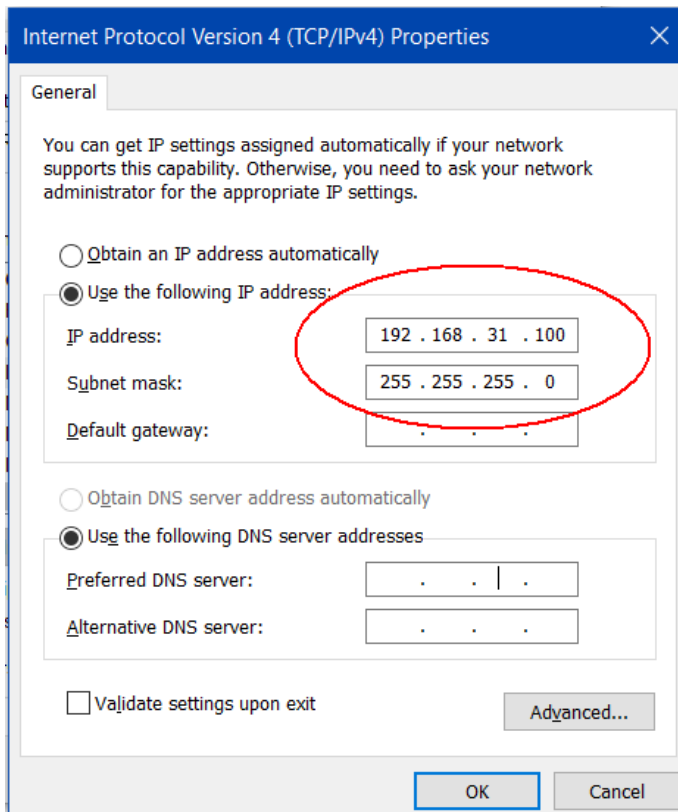Chinese version has filename ending: **2.18.28.bin**.

Global International version has filename ending: **3.0.24_INT.bin**

Use the v2 Chinese language firmware for the Chinese model. Use the v3 Global firmware for the Global model. If you attempt to use the v3 firmware on Chinese R4AG, it will brick it. If you install Chinese firmware to a Global model, you may have difficulty changing it back to Global firmware.

The steps shown below are for restoring early Xiaomi 4A 'Giga' model which shipped with Global English v2 firmware which were updated to v3.0.24_INT as used by later models labelled 'Gigabit' model.

If you have the Chinese model, you should install v2.18.28.bin, and then use the Mi Wifi web UI to upgrade to latest Chinese version.
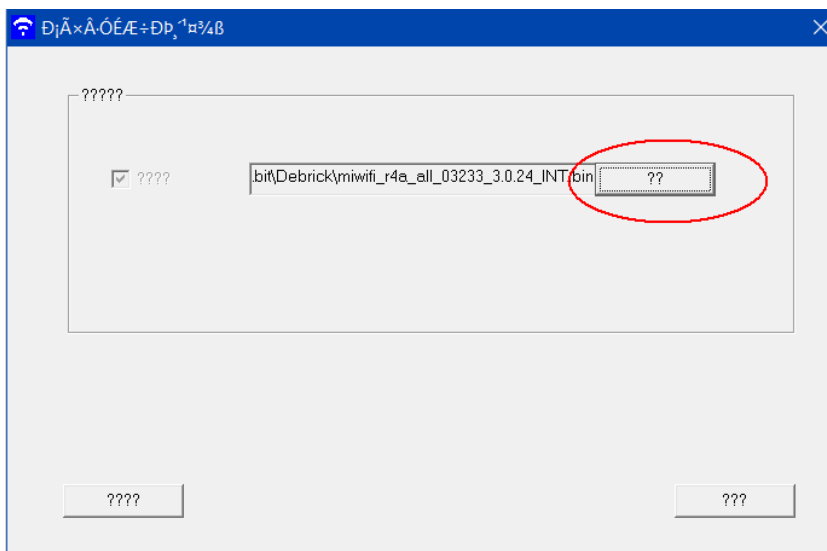
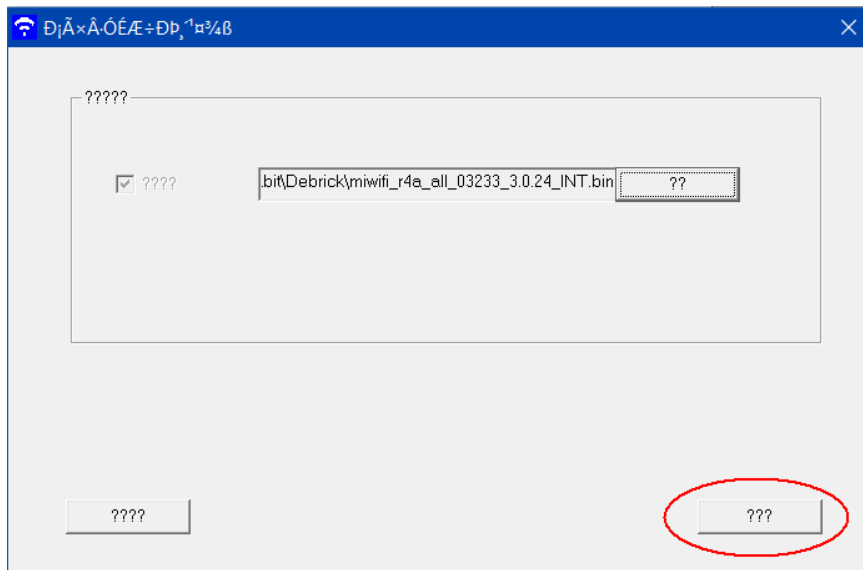Configure the ethernet LAN port on your computer as follows:

Launch the MIWIFIRepairToolx86.exe

Answer OK to the User Access Control dialogue box.

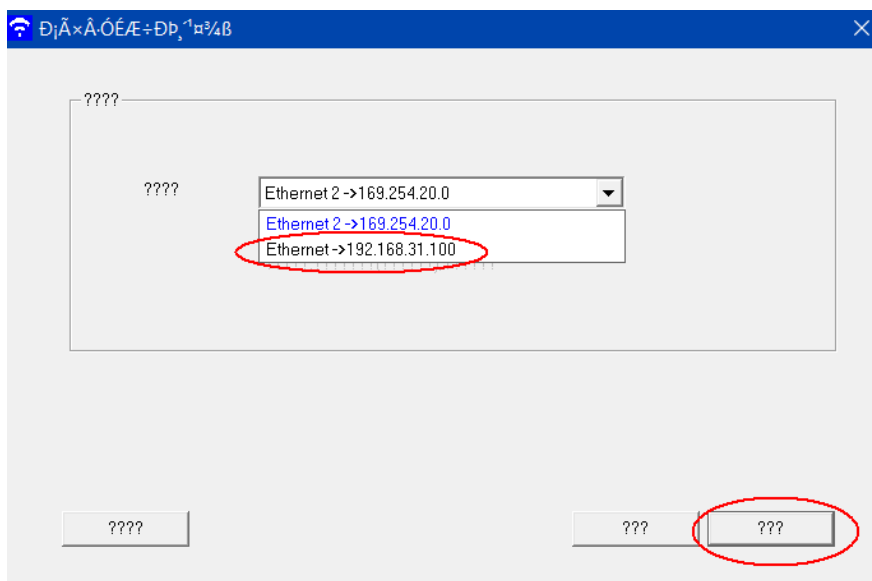Click the button shown below and select the OEM firmware to use.

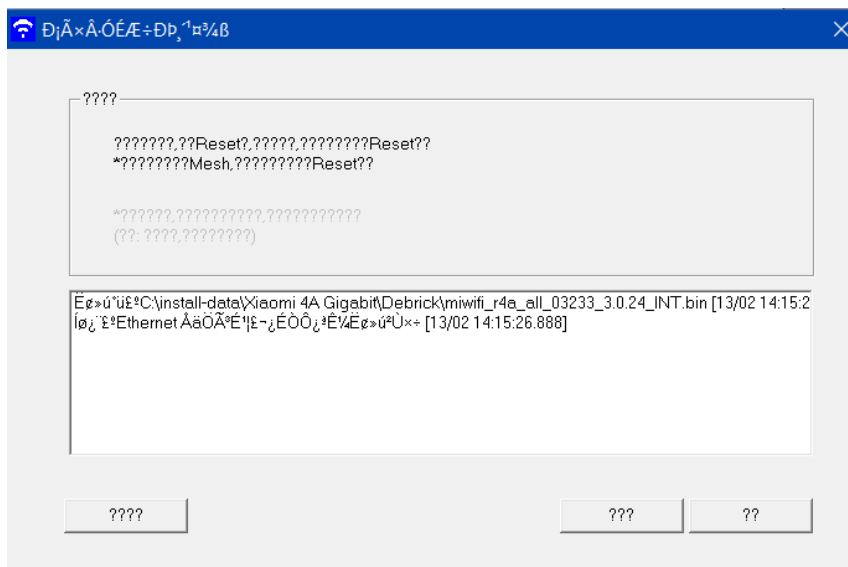Press the button in bottom right corner of the window to continue.

On the next page, select the **192.168.31.100** interface.

Press the button in bottom right corner of window to continue.
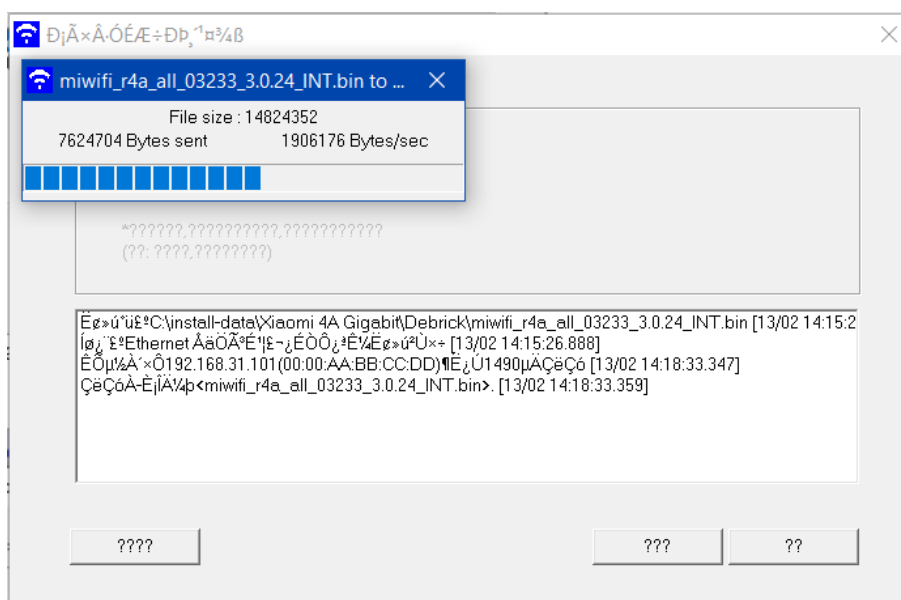
The following window will appear.

Turn OFF power to the router.

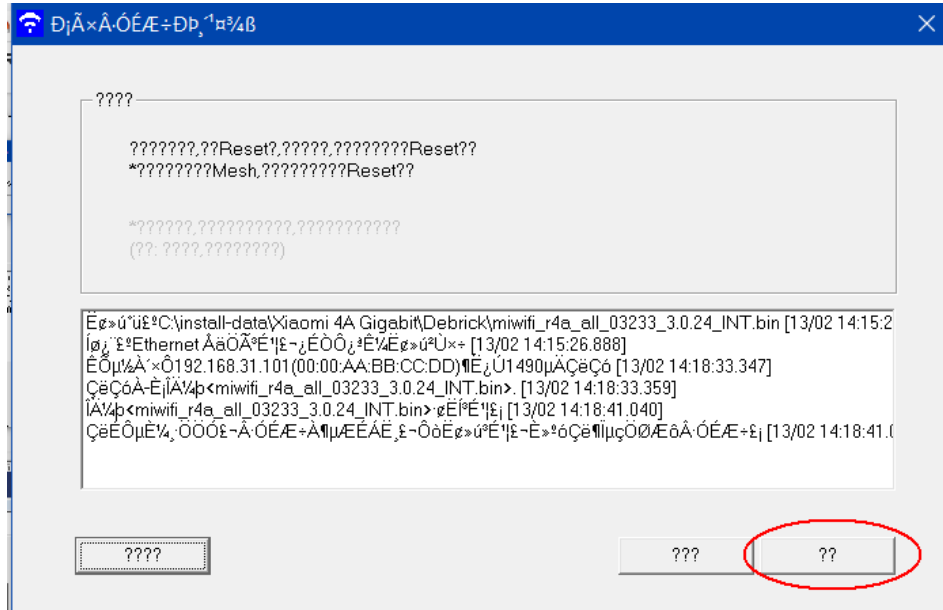Hold down the Reset button.

Turn ON Power to the router.

After about 10 seconds, the Orange Power LED should start to flash. This will indicate the firmware is being uploaded to the router as shown in image below. You can now release the Reset button.
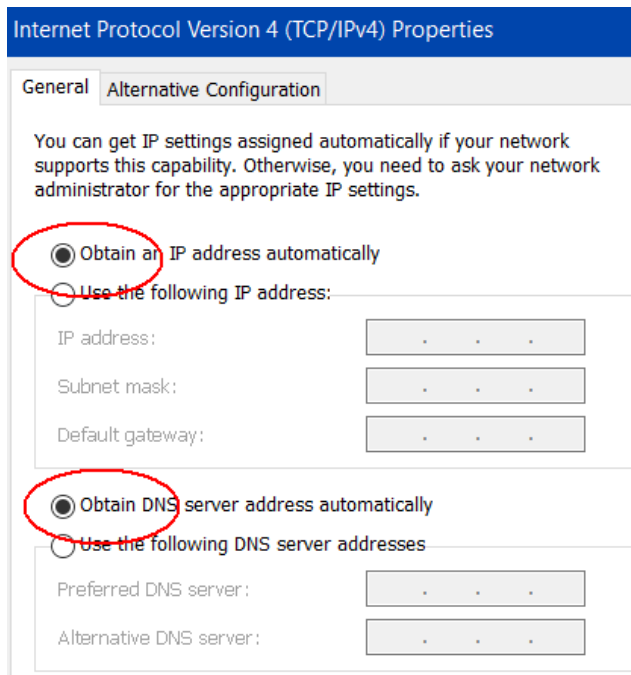

The Power LED, on left hand side, will be **constant orange for about 5 minutes**. (The internet LED may be lit up in blue if the WAN port is connected)

When the Power LED changes to rapid **blinking blue light**, you can turn the power off and on to restart the router.
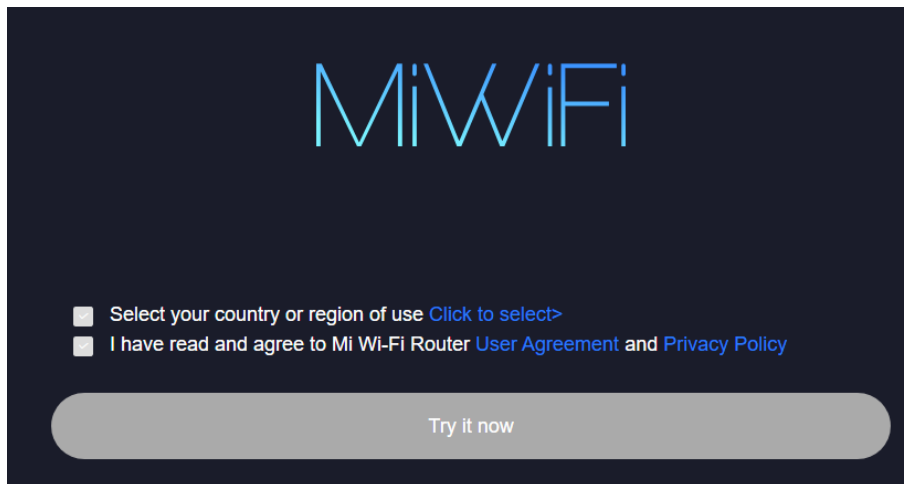
Press the button below to close the program.

Remember to change your Ethernet port settings back to original settings.

Use a web browser and navigate to the Mi Wifi web UI, which should be at

router.miwifi.com   or   192.168.31.1

If you need to reset router to default settings:

Turn on the router and wait a minute for it to start up.

Press and hold down the Reset button for 10 seconds.

The Power LED should change to orange colour. The router will restart

Apparently, for the 4A gigabit models, it is possible to convert from Chinese to Global English using Python scripts as for installing Padavan and OpenWrt firmwares.   There are two methods from:

TRabZonLu   (2.28.132.bin)

OlegLOM   (upgrade_2to3.bin)

I do not own a Chinese model, so I cannot test these methods. The 'upgrade_2to3.bin' file is known to work for a Global R4AG which was accidentally flashed with v2 Chinese language firmware.