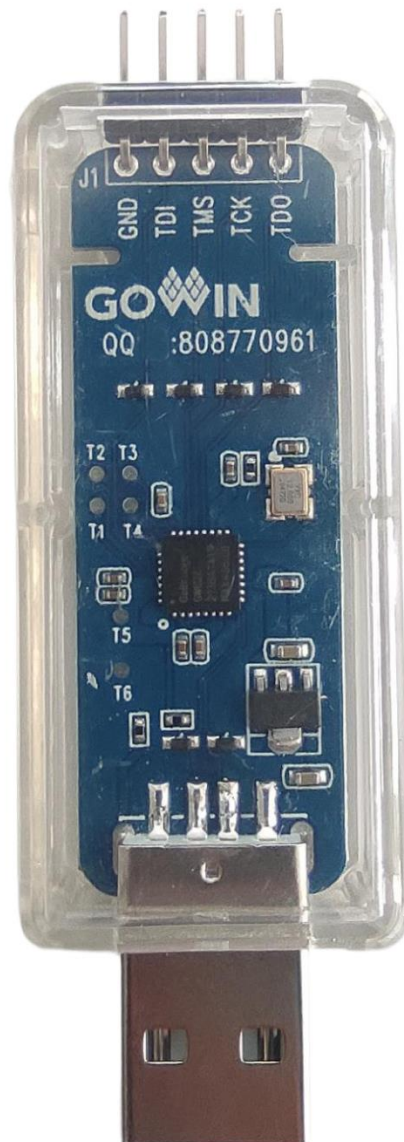# U2X_JTAG Dongle Instruction Manual

Note!

The first version of U2X_JTAG Dongle only supports LVCOMS 3.3V JTAG level standard.
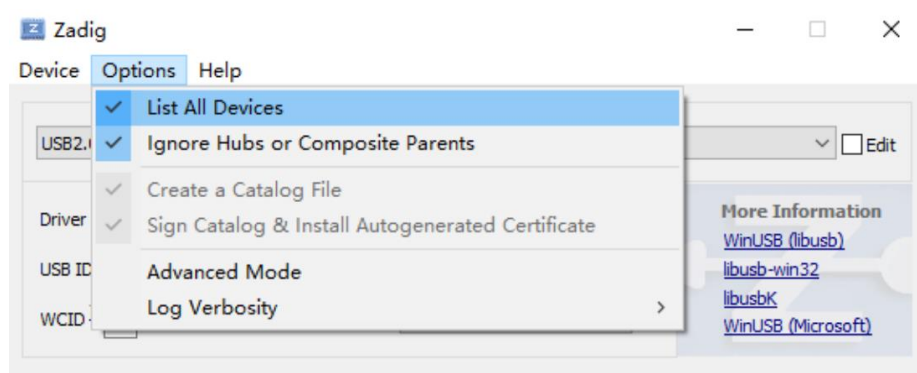
Figure 1 U2X_JTAG Dongle

Step1: GWU2X_JTAG can be programmed using the open source USB function library libusb. To program with this library, you need to install the Windows USB driver WinUSB.sys. To install the driver, you can use the open source driver installation tool Zadig (https://zadig.akeo.ie/) with administrator permissions.
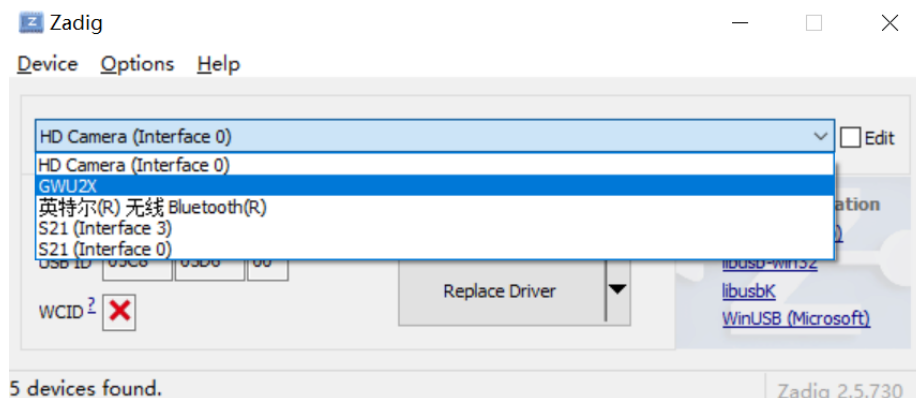
Connect the GWU2X device to the USB port of the computer; double-click to open Zadig (administrator permissions required); click "Options" and check "List All Devices", and all USB devices connected to the computer are listed.
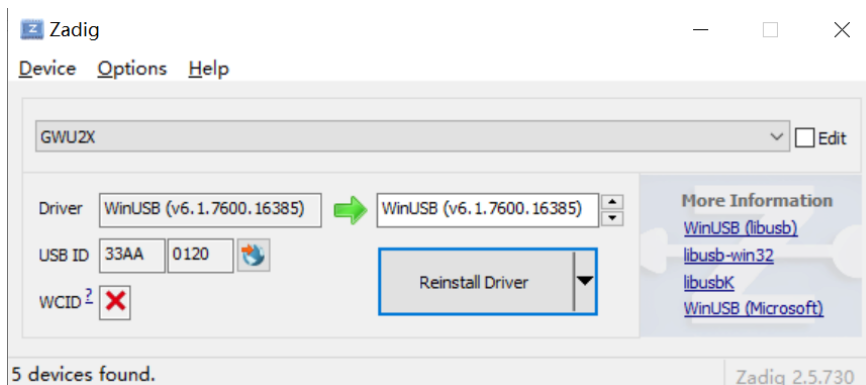
Figure 2 Select List All Device

Select the GW2UX device that requires a driver.
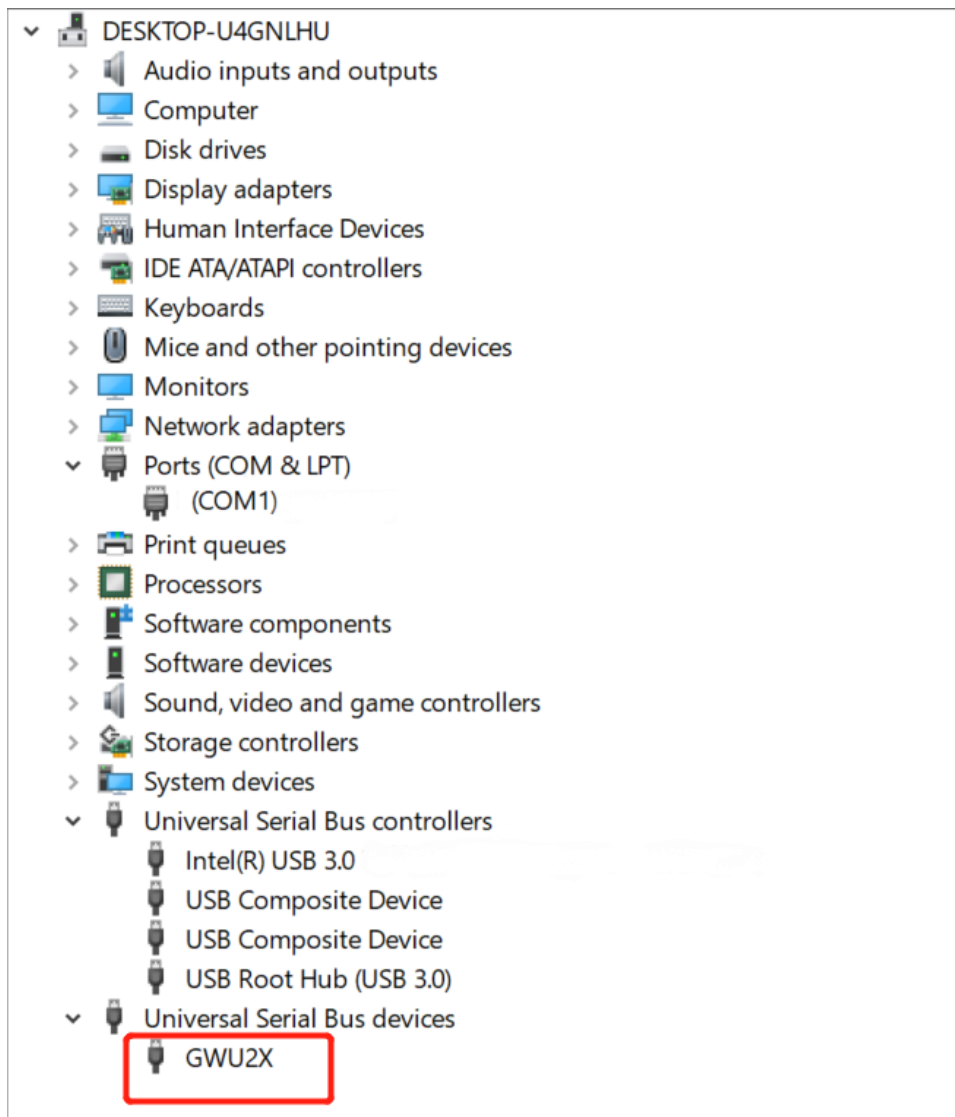
Figure 3 Select GWU2X

Select "WinUSB" and click "Install Driver" to install the driver; wait for a moment to complete the installation (Reinstall Driver shown below, Install Driver for the first time).

Figure 4 Install Driver

After successful installation, connect the GWU2X device to the computer; open Windows Device Manager, and you can find the GWU2X device in the "Universal Serial Bus Devices" list.
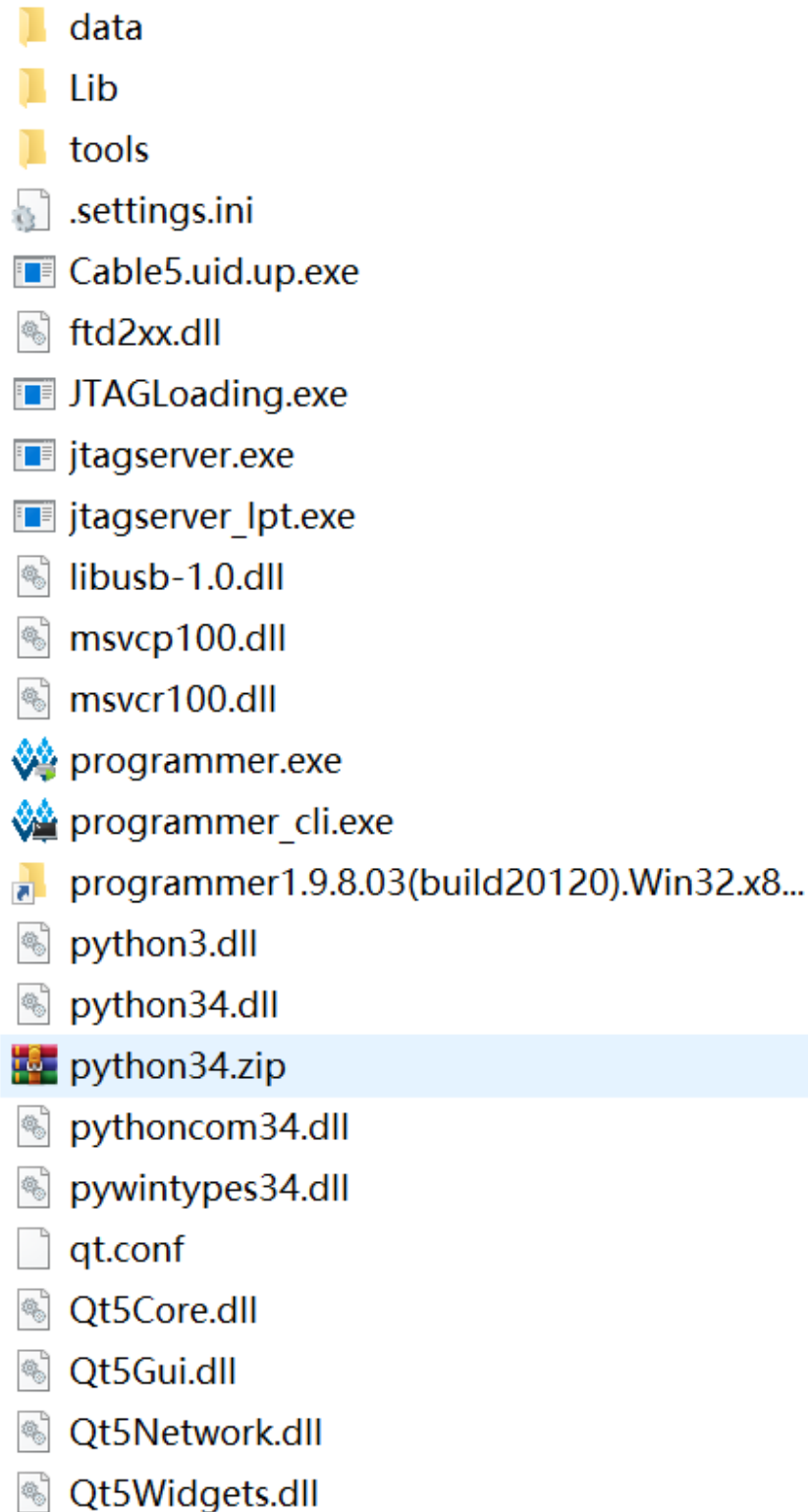
Figure 5 Connect GWU2X to the Computer

Step 2: Click and open the zip file programmer1.9.8.03 (build20120).Win32.x86.zip (continuously updated).
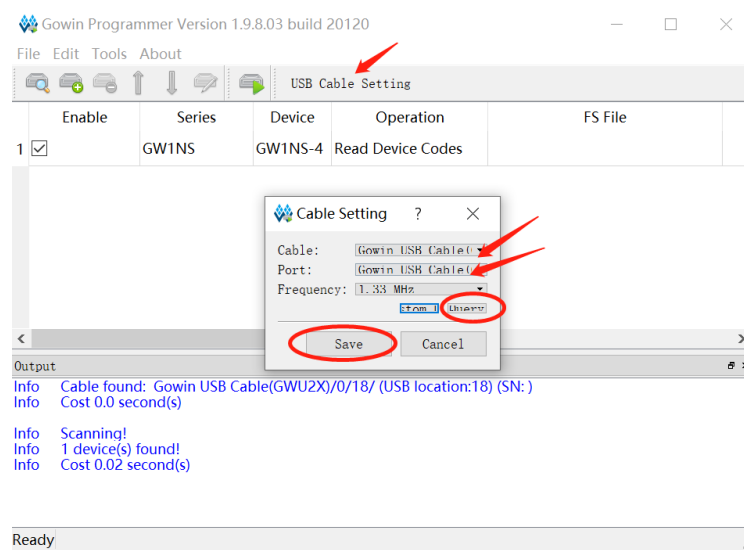
Figure 6 Zip File

programmer1.9
.8.03(build2012
0).Win32.x86.zi
p

Click programmer.exe in the bin folder.

Figure 7 Click programmer.exe

- data
- Lib
- tools
- .settings.ini
- Cable5.uid.up.exe
- ftd2xx.dll
- JTAGLoading.exe
- jtagserver.exe
- jtagserver_lpt.exe
- libusb-1.0.dll
- msvcp100.dll
- msvcr100.dll
- programmer.exe
- programmer_cli.exe
- programmer1.9.8.03(build20120).Win32.x8...
- python3.dll
- python34.dll
- python34.zip
- pythoncom34.dll
- pywintypes34.dll
- qt.conf
- Qt5Core.dll
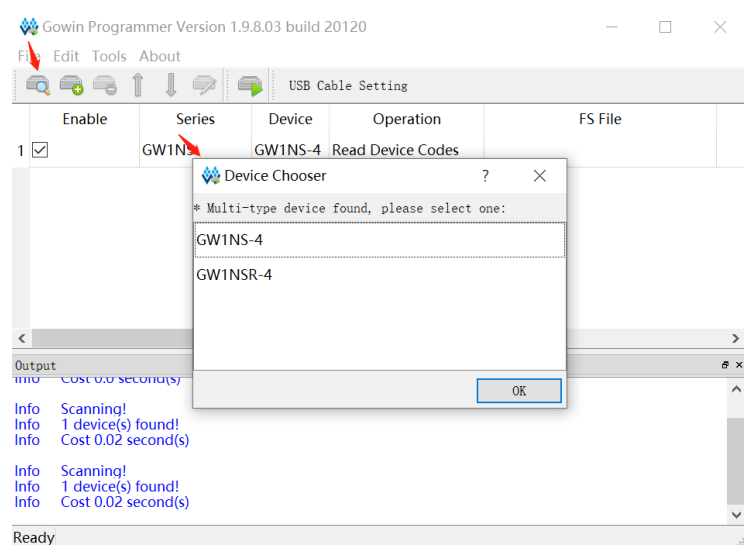- Qt5Gui.dll
- Qt5Network.dll
- Qt5Widgets.dll

Click "USB Cable Setting > Query > Save".

Figure 8 USB Cable Setting

Scan to find the FPGA for download.

Figure 9 Scan and Download

Support and Feedback

Magic Jelly Bean Organization provides customers with comprehensive technical support. If you have any questions, comments, or suggestions, please feel free to contact us directly using the information provided below.

Website: www.magicjellybean.org

E-mail: admin@magicjellybean.org

Revision History

Date	Version	Description
02/08/2022	1.0E	Initial version published.

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