

Upgrading firmware method of USR Network IO Control

File Version: V1.0.0

1. Introduction

This manual introduce the method to upgrade USR Network IO Control and USR Network IO Control products include USR-IO424T-EWR, USR-IO424T-GR, USR-IO808-EWR and USR-IO808-GR.

2. Preparation

Step 1: Connect PC to USR Network IO Control by USR->RS485 cable, insert SIM card(IO424T-GR and IO808-GR) or connect IO424T/IO808-EWR's WAN/LAN interface to router, power the USR Network IO Control.

Step 2: Run the setup software for USR Network IO Control **USR-IO V1.0.28.exe** and choose corresponding product model.



Step 3: Choose correct COM, configure correct serial port parameters, open serial port and search/choose product.

3. Upgrade firmware

3.1. FTP remote upgrading

Step 1: Modify 'Work Mode Register' to **2.Firmware Upgrade** to start upgrading firmware. Wait serial port print upgrading information and device will download the firmware automatically.

| Params | | | | |
|---|--------|----------|----------|--|
| MCU | | | | |
| Device Name | | | | |
| RS485 BaudRate | Parity | ByteBits | StopBits | |
| Rs485 Mode(1.DTU 2.RTUSLAVE) | | | | |
| Work Mode Register(1.MODBUS Mode 2.Firmware Upgrade) | | | | |
| Hold mode of relay(1.Hode 2.Hode after reset and don't hold after repo) | | | | |
| Modbus Address | | | | |

Step 2: After finishing downloading, device will upgrade firmware automatically and LED WORK will fast blink.

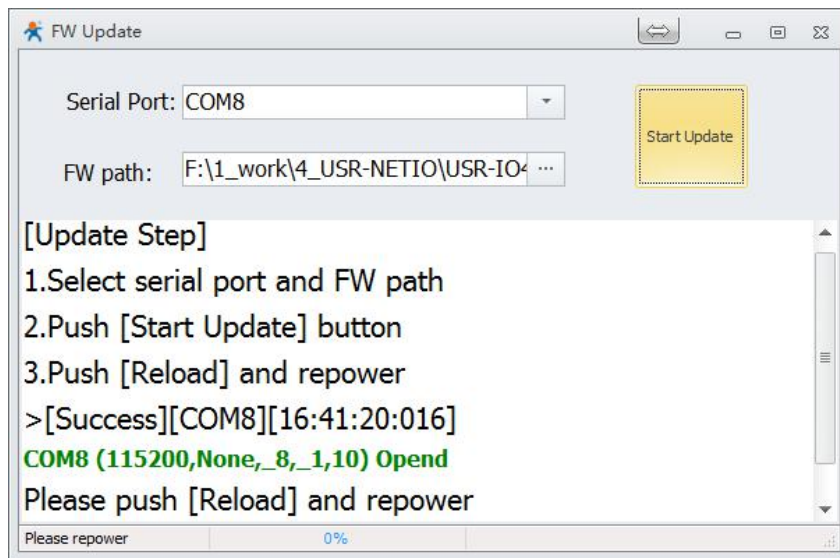
After upgrading successfully, device will restart and WORK will recover to normal blinking status which means finishing whole upgrading process.

3.2. Upgrade firmware by serial

Step 1: Click 'FW Update'.

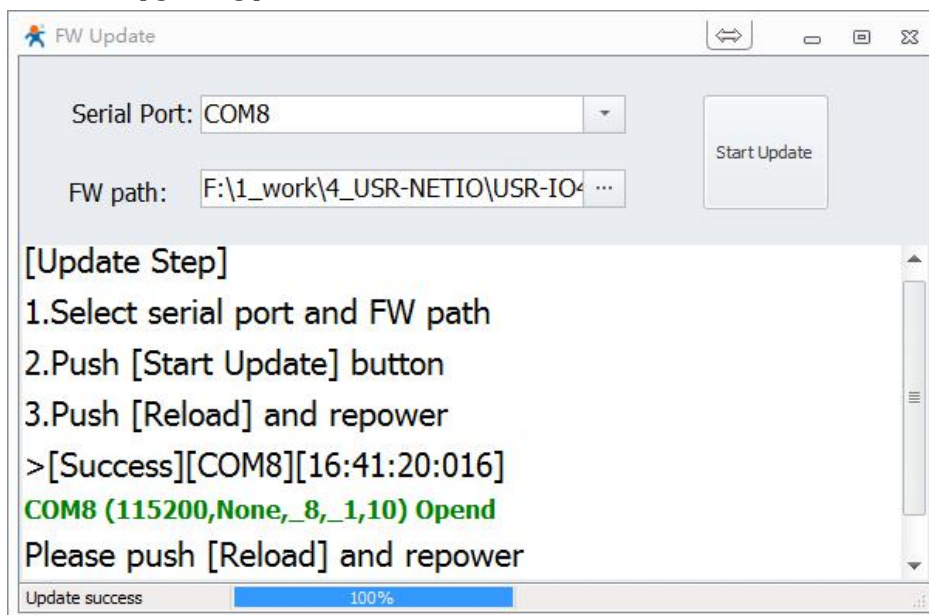


Step 2: Choose correct 'Serial Port' and 'FW path', then click 'Start Update' to upgrade firmware.



Step 3: Press 'Reload' button to restart device, LED WORK will fast blink which means device start upgrading.

Step 4: Setup software will display 'Update success' after upgrading firmware, then user can power off device and restart to finish whole upgrading process.



4. Contact Us

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6. Update History

2018-06-07 V1.0.0 established.