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6.2 Remote upgrade firmware

The PowerDebugger client supports remote firmware updates or changing working modes and other settings for the receiving end under three operating modes, meeting developers' debugging needs in various working scenarios. The following are two points to note during the configuration process:

1.Ensure that the transmitter and receiver have been successfully paired.

After the two devices have been successfully paired, the green status light on the devices will remain continuously lit. If the light does not stay on, it indicates that the pairing was unsuccessful. You should check whether both devices are powered on correctly and whether their working modes are configured consistently. Only when the two devices have been successfully paired can the receiver be remotely configured via the transmitter.For the configuration process of the four working modes, please refer to:**Quick Start-Debugger**

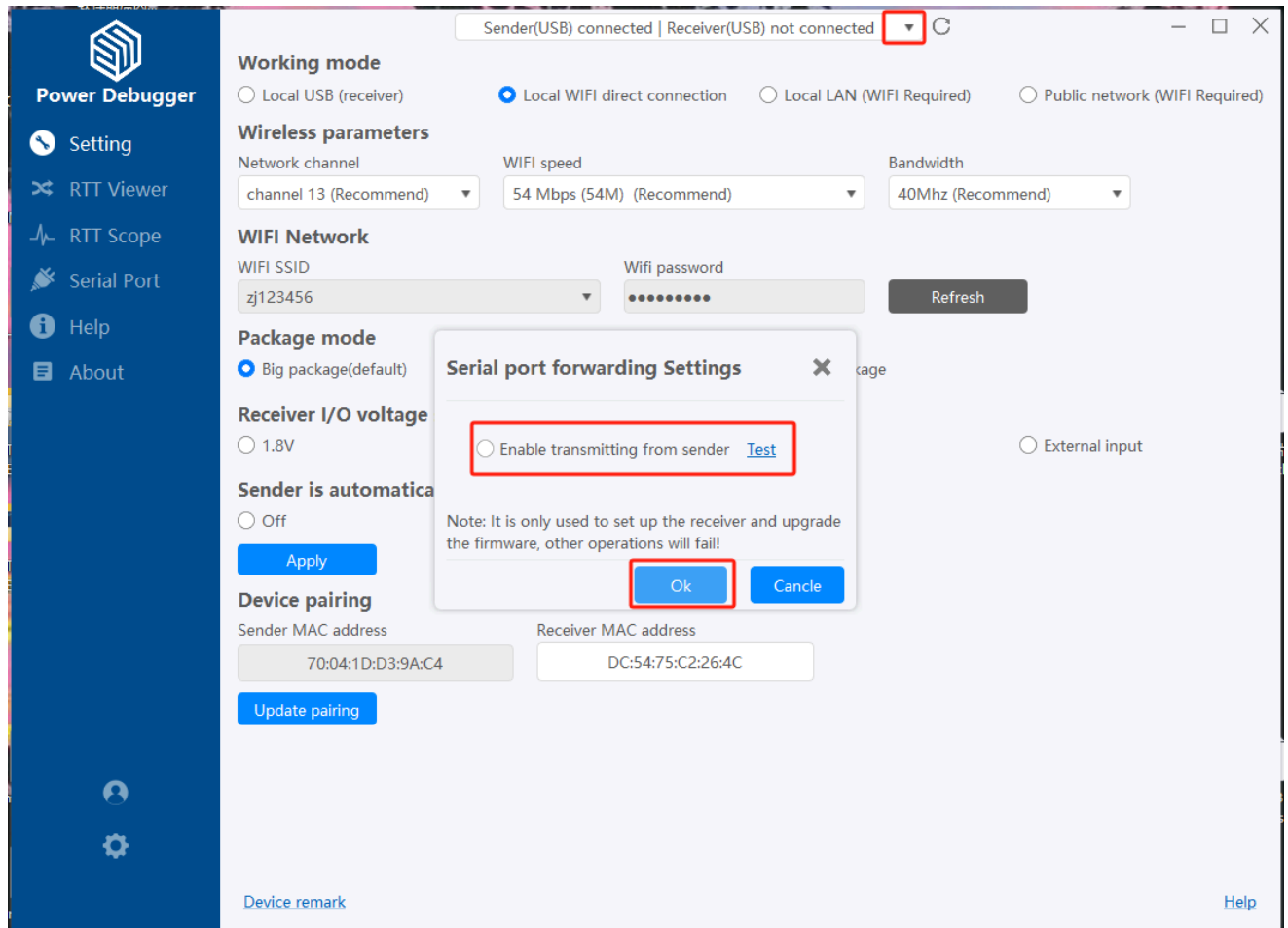
2.Configure the Wi-Fi network

- When switching the working mode to LAN (Local Area Network) mode or public network mode, it is necessary to configure the Wi-Fi network simultaneously; otherwise, it may result in unsuccessful pairing after updating the working mode. The general configuration sequence is to set the receiver first and then the transmitter. Modifying only the transmitter's working mode and network parameters can lead to connection failures.
- When switching the working mode to local Wi-Fi direct connection mode, ensure that the network channel is consistent.

3.Demonstrate the operation process

When the device is in local Wi-Fi direct connection mode, use the transmitter to change the receiver's working mode to LAN mode. This process applies when switching to any other working modes as well.

1. Click on the device recognition status at the top of the software, then double-click on the device name "PowerDebugger TX." A pop-up window for serial port forwarding settings will appear. Check the box for Enable Transmitter Serial Port Forwarding, and then click Test Connection.



2. After clicking Test Connection, there will be two possible test results: Forwarding Test Successful and Forwarding Test Failed.

If the forwarding test is successful, you can switch to the receiver settings page and proceed with configuring the receiver. If the forwarding test fails, it indicates that the transmitter and receiver have not been successfully paired yet, possibly due to different working modes. In this case, you need to re-pair the devices and ensure that the status LED (green light) remains continuously lit.

Power Debugger

- Setting
- RTT Viewer
- RTT Scope
- Serial Port
- Help
- About

Sender(USB) connected | Receiver(USB) not connected

Working mode

Local USB (receiver) Local WIFI direct connection Local LAN (WIFI Required) Public network (WIFI Required)

Wireless parameters

Network channel: channel 13 (Recommend) | WIFI speed: 54 Mbps (54M) (Recommend) | Bandwidth: 40Mhz (Recommend)

WIFI Network

WIFI SSID: zj123456 | Wifi password: [masked] [Refresh]

Package mode

Big package(default)

Receiver I/O voltage

1.8V External input

Sender is automatic

Off [Apply]

Device pairing

Sender MAC address: 70:04:1D:D3:9A:C4 | Receiver MAC address: DC:54:75:C2:26:4C [Update pairing]

Serial port forwarding Settings

Transmitting test successful!

Note: It is only used to set up the receiver and upgrade the firmware, other operations will fail!

[Ok] [Cancel]

[Device remark](#) [Help](#)

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Serial port forwarding Settings

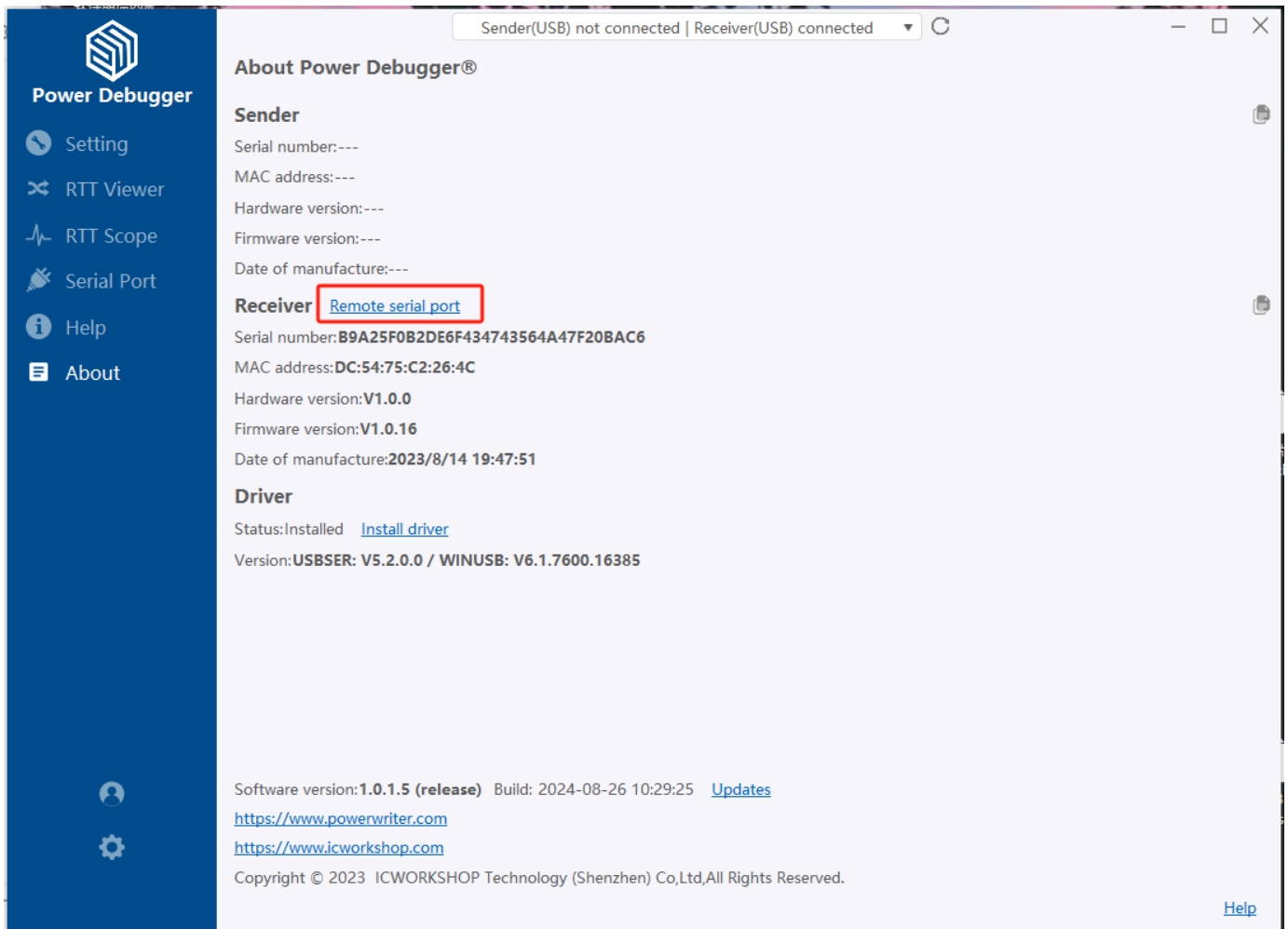
Transmitting test failed!
The time out error

Note: It is only used to set up the receiver and upgrade the firmware, other operations will fail!

[Ok] [Cancel]

[Device remark](#) [Help](#)

3. After entering the receiver settings page, you can update the firmware version of the receiver on the About page.



 [Edit this page](#)

Last updated on **Oct 14, 2018** by **Author**
(Simulated during dev for better perf)