



1. Hardware Connection

How to connect a DL-200 data logger to a H5001/HB51 inverter

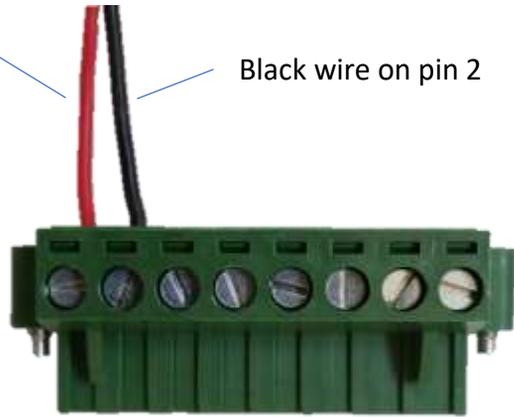
STEP 1

Prepare the power cable and adaptor



Red wire on pin 1

Black wire on pin 2



Install the two-prong adaptor to the power adaptor



Adaptor spec:

AC input : 100-240V 50-60Hz 0.6A

DC output : 12Vdc 2.0A 24W max.

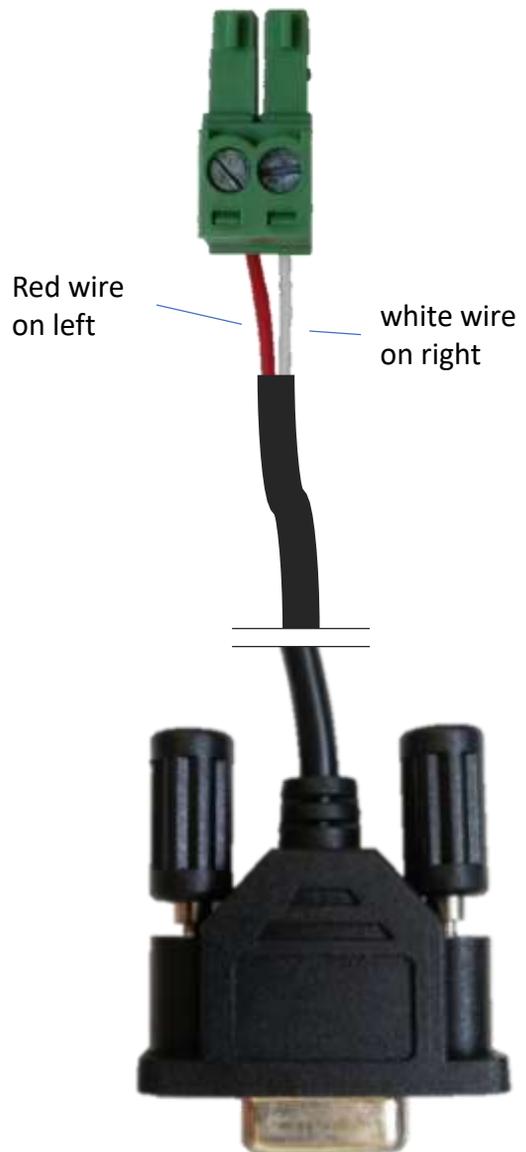


STEP 2

Prepare the COM cable



To inverter RS485 S port



To data logger SERIAL port

STEP 3

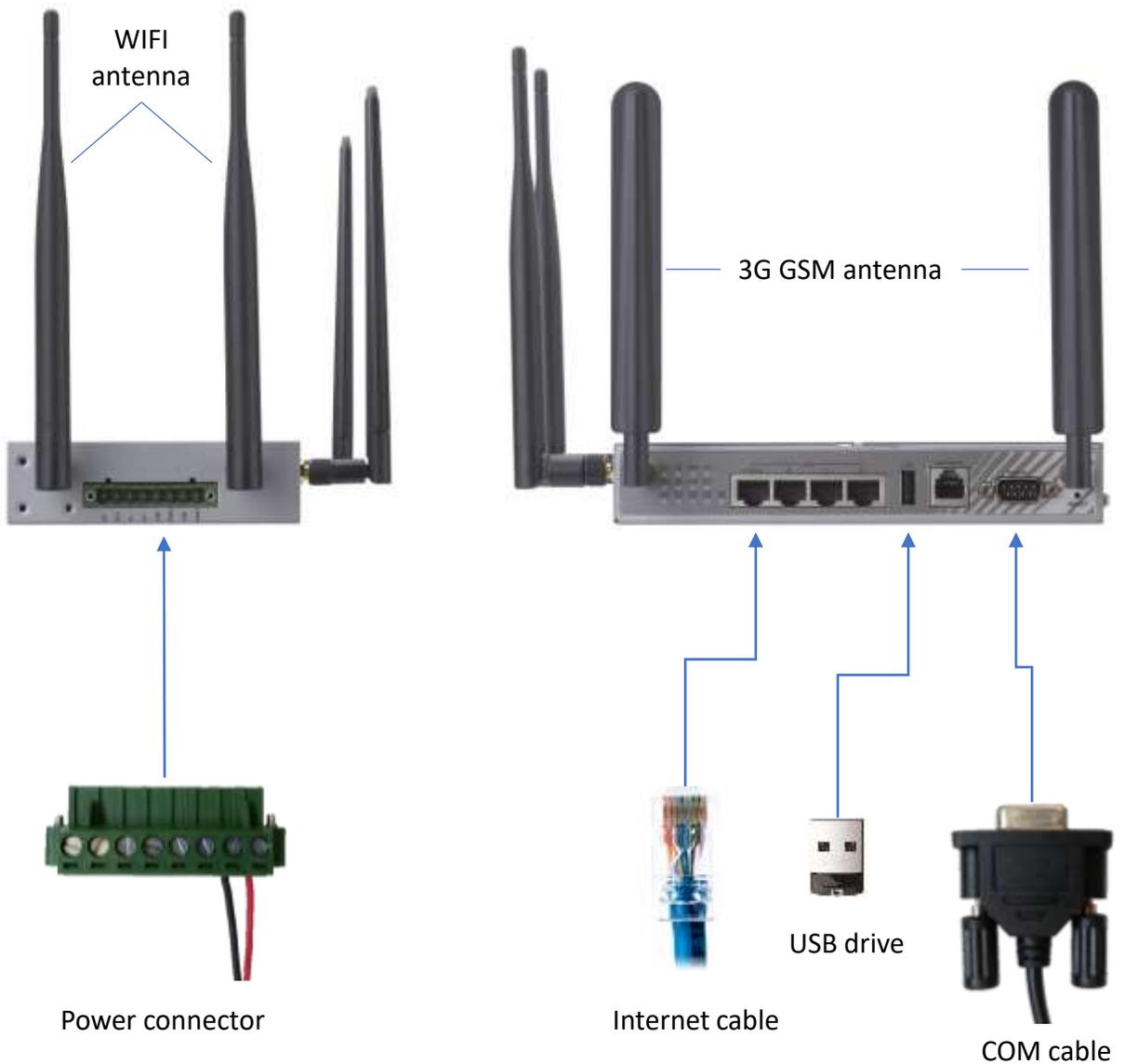
Connect the Inverter



Connect the green connector to the left-two pin sockets of the RS485 S port on the inverter bulkhead panel.

STEP 4

Connect the data logger

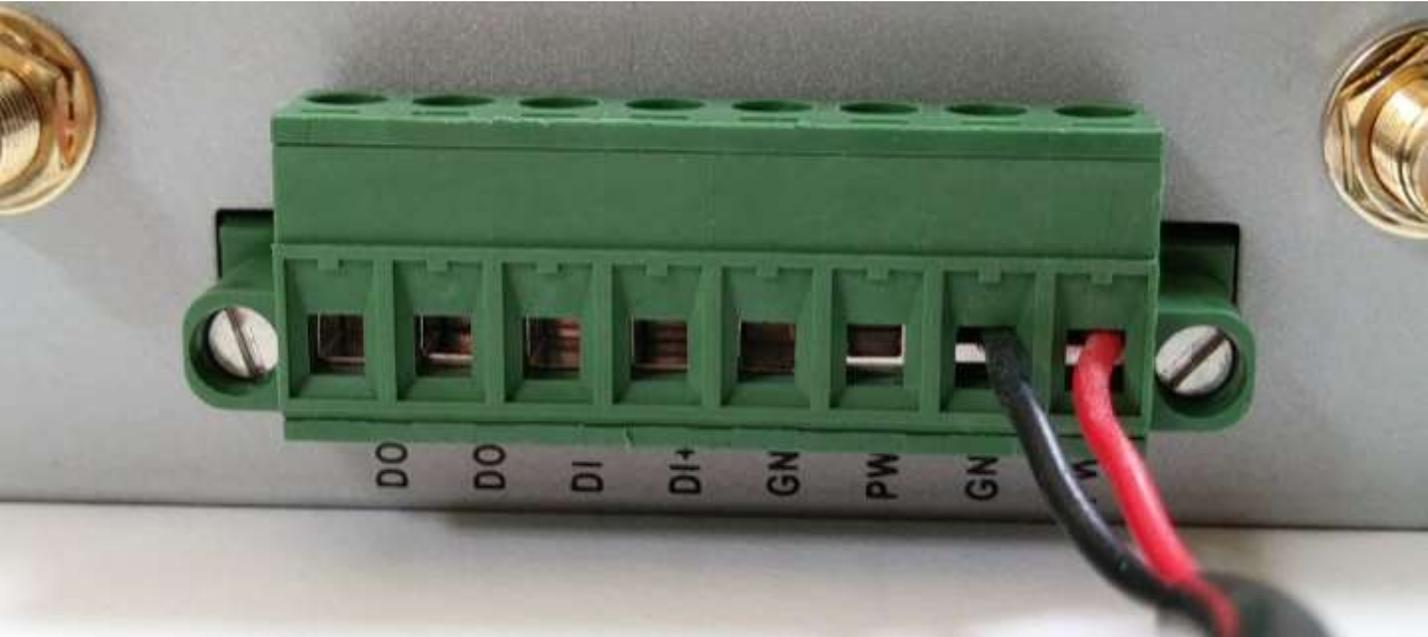


2. Updating Firmware

(May skip this section if no new firmware released)

STEP 1

Connect the data logger



To power outlet



To computer

STEP 2

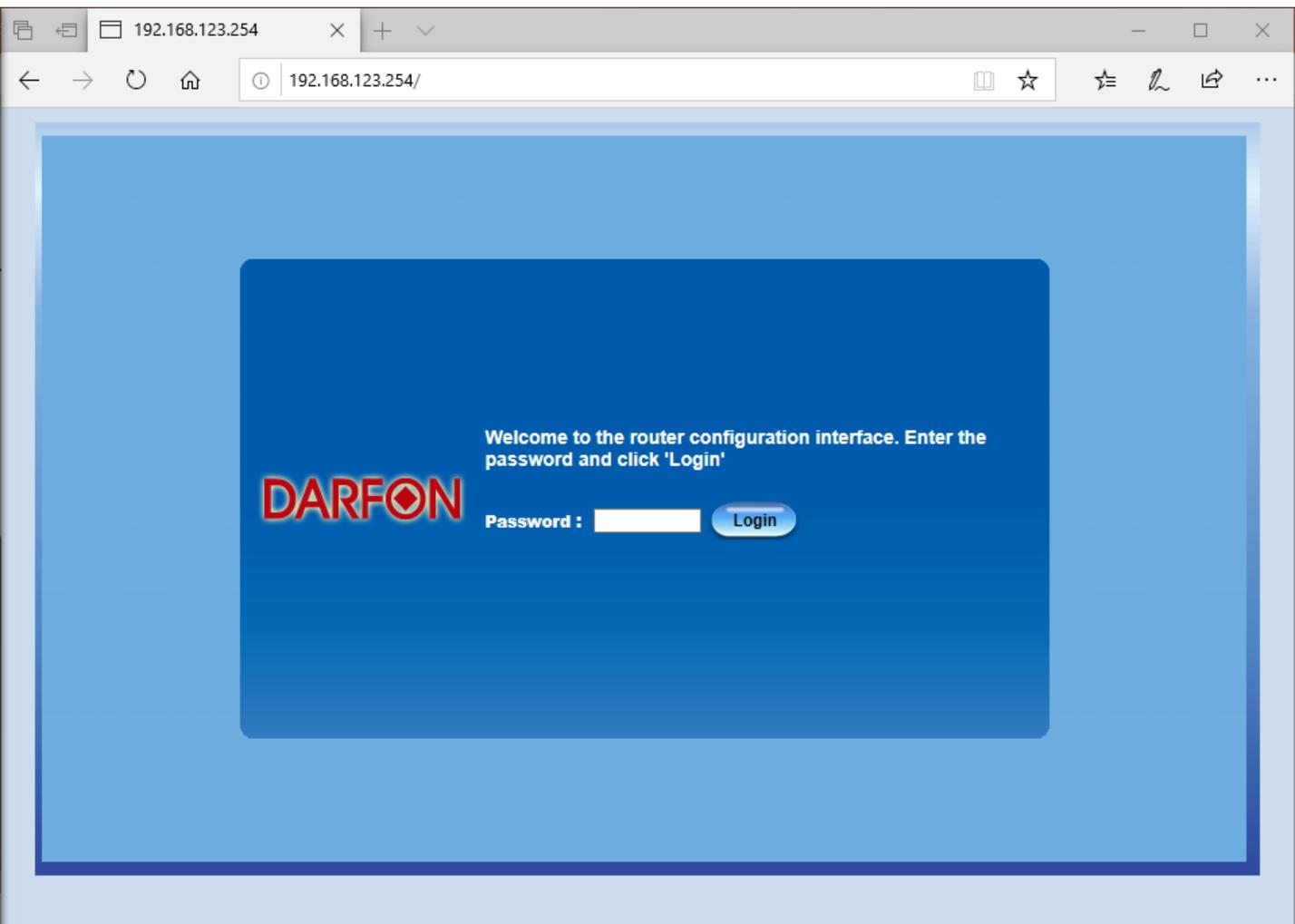
Open Web Browser

Connect DL200 via Ethernet cable

Open an internet Browser (Windows 10 can use Edge)

Login DL200 by entering IP 192.168.123.254 in Browser

Default Password is "admin"



STEP 3

Go to System Tools Page

Go to "System"->"System Related"->"System Tools" then click "Firmware Upgrade"

The screenshot shows a web browser window at the address 192.168.123.254. The interface includes a top navigation bar with the Darfon logo, SSID (Darfon_DL200), Firmware Version (00000006h.DL200), and a Language dropdown (English). A left sidebar contains menu items: Wizard, Status, Basic Network, Advanced Network, Applications, System, System Related (selected), Scheduling, Grouping, External Servers, MMI, and Darfon. The main content area has a sub-menu with 'System Tools' selected. Below this is a table of system tools:

Item	Setting
System Time	Configure Sync with Time Server Sync with my PC (Friday March 15, 2019 11:47:01) USB1 Storage Mode: <input checked="" type="checkbox"/> Enable
Firmware Upgrade	Via Web UI <input type="button" value="Firmware Upgrade"/>
Ping Test	Host IP: <input type="text"/> Interface: Auto <input type="button" value="Ping"/>
Tracert Test	Host IP: <input type="text"/> Interface: Auto <input type="button" value="UDP"/> <input type="button" value="Traceroute"/>
Reboot	Now <input type="button" value="Reboot"/>
Reset to Default	<input type="button" value="Reset"/>
Wake on LAN	<input type="text"/> <input type="button" value="Wake up"/>
Backup Configuration Settings	<input type="button" value="Backup"/>

A red arrow points to the 'Firmware Upgrade' button in the 'Firmware Upgrade' row. A 'Save' button is located at the bottom of the page.

STEP 4

Select BIN File

Select FW file to upgrade the datalogger

The file is a .bin type. Likely to be something named as firmware.bin

It will take about 7 mins to upgrade datalogger

When upgrading, please do not

- 1.turn off datalogger
- 2.disconnect datalogger & PC

SSID : Darfon_DL200 Language : English

Firmware Version: 000000006h.DL200 Logout

Change Password System Information System Status **System Tools** Data Usage

Firmware Upgrade [Help]

Firmware Filename Browse...

Current firmware version is **000000006h.DL200**

Note! Do not interrupt the process or power off the unit when it is being upgraded.
When the process is done successfully, the unit will be restarted automatically.

Upgrade Cancel

Name	Date modified	Type	Size
firmware.bin	3/14/2019 10:30 AM	BIN File	16,646 KB
readme	3/14/2019 9:53 AM	Text Document	2 KB

STEP 5

Check Firmware Number

After updating, login again and check firmware version number on the top of the window.

Also check internet connection and hotspot by:

- Connect a rod-type (not flat type) antenna to one of the coaxial connectors on the power side of the datalogger;
- Connect internet cable to the first WAN port;
- Use smart phone to connect to Darfon DL200 hotspot



3. Monitoring on Cloud

STEP 1

Open portal.darfon.com

Open a web browser and type **portal.darfon.com** in the address bar

Login with email and password for your account

