CardioScan

Raspberry Pi (RP) and Huawei Modem
Quick Guide

1. Connect the RP to the ECG machine

- Plug one end of the USB cable into the RP, and the other end into the USB port on the ECG machine **(Figure 1)**.
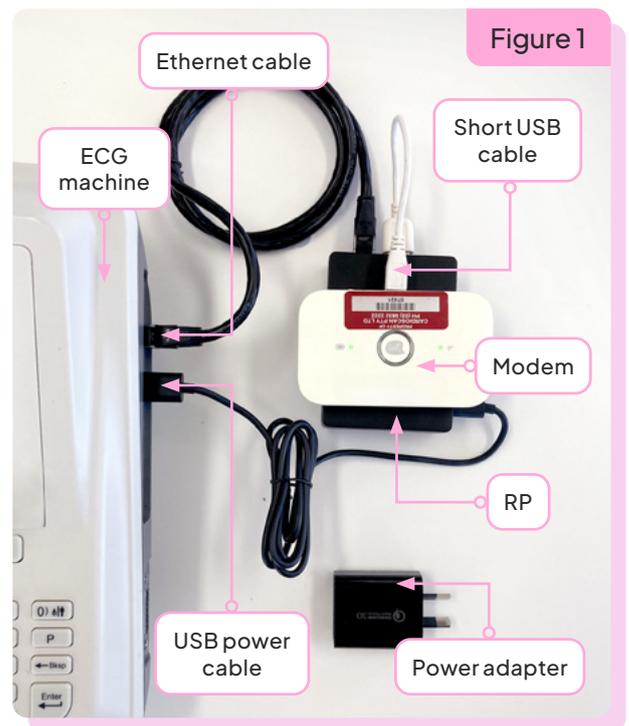
2. Connect the Ethernet cable

- Insert one end of the Ethernet cable into the RP and the other end into the Ethernet port on the ECG machine **(Figure 1)**.

3. Connect the modem to the RP

- Plug one end of the short USB cable into the modem and the other end into the RP **(Figure 1)**.

- Alternatively, you can connect the RP to a power source using the power adapter **(Figure 1)**.

> (i) Note: RP does not have any physical button for turning on or off.

Figure 1

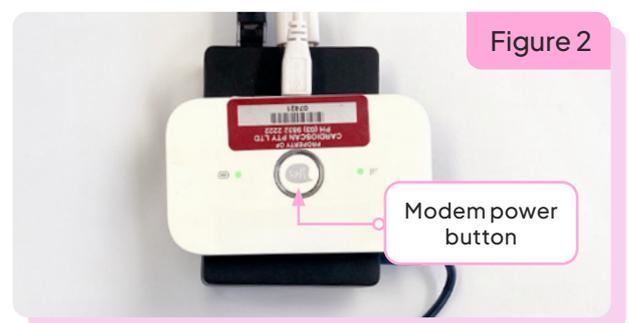Labels: Ethernet cable, ECG machine, Short USB cable, Modem, RP, USB power cable, Power adapter

4. Powering on the RP and modem

- First, ensure the ECG machine is turned on.

- Then, connect the RP to a power source. Once powered, the RP will take approximately 2 minutes to fully initialize.

- After the RP is ready, **press and hold the power button on the modem**. You should see a green light (battery status) and a green light (Wi-Fi signal), indicating the modem is functioning correctly.

5. ECG machine is ready

- Once the modem is turned ON **(Figure 2)**, please look for the flashing green light in the front of the RP **(Figure 3)**. The machine is now ready to perform a patient's ECG.

Figure 2

Modem power button

Figure 3

RP green light

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Huawei Modem
Quick Guide

1. Battery indicator

2. Power button

3. Micro USB port

4. Signal indicator

1. Battery indicator

🟢 **Green Light:**
Sufficient battery

🟢 **Blinking green:**
Charging the battery

🔴 **Red:** Low battery

2. Power button
3. Micro USB port

4. Signal indicator

🟢 **Green:** Strong signal

🟠 **Orange:** Weak signal

🔴 **Red:** No signal

Turning on the Mobile Wi-Fi

Press and hold the power button until indicator lights up, indicating that the Mobile Wi-Fi is turned on.

Note: Press and hold the power button to also turn off the Mobile Wi-Fi.

Battery saving mode

If the Mobile Wi-Fi (Huawei) has been inactive for some time, it enters standby mode and all the indicators are off. Pressing the power button causes the indicators to light up again.

Charging the battery

If the Mobile Wi-Fi has not been used for a long time or if the battery is fully depleted, the Mobile Wi-Fi may not power on immediately after the charger is plugged in. Please charge the battery for a while before attempting to power on the Mobile Wi-Fi.