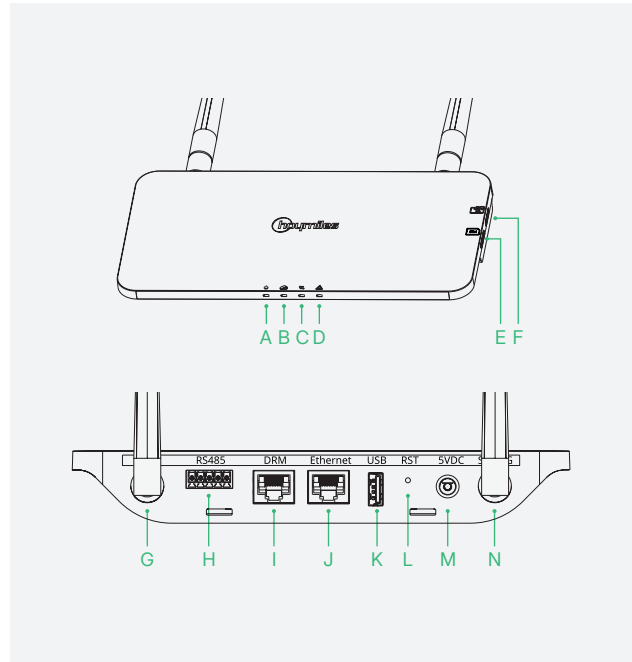




Download Center

1. Appearance

No.	Description
A	DTU Power Indicator
B	DTU Communication Indicator (with Server)
C	DTU Communication Indicator (with Microinverter)
D	DTU Alarm Indicator
E	SIM Card Slot
F	SD Card Slot
G	4G Antenna Port
H	RS485 Port
I	DRM Port
J	Ethernet Port
K	USB Port
L	Reset Hole
M	Power Port
N	Sub-1G Antenna Port



2. Preparation

- A) Scan the QR code on the right to download Hoymiles S-Miles Installer application.
- B) Check the package for the following items.

DTU-Pro-S (two antennas)	Adapter	Power Cable	Bracket*	5-pin Terminal Block**	Installation Map
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* The bracket is used for wall mounting, which requires personal protective equipment (PPE), a drilling tool, a screwdriver, and a minimum of two M4 screws all prepared by the installer.

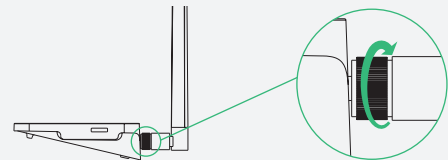
** The 5-pin terminal block is used to connect the DTU to a meter in certain PV plants.

- C) Choose an internet connection method and prepare the following items accordingly.
- **Ethernet connection:** Prepare an Ethernet cable and a router.*
 - **4G connection:** Prepare a SIM card.
- * The router's Wi-Fi name can only contain English letters and numerals.
- D) Decide the installation location following the requirements. The DTU can be installed either on a table or on the wall.
- Install the DTU on the top floor to increase signal strength.
 - Install the DTU near the center of the PV array.
 - Install the DTU at least 0.5 m above the ground and more than 0.8 m away from corners.
 - Do not install the DTU directly above metal or concrete, as this may cause signal interference.

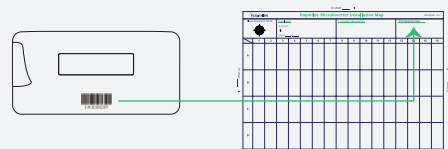


3. Installation

- A) Check whether the two antennas are securely attached. If not, screw them clockwise tightly.



- B) Peel off the removable serial number (SN) label from the bottom of the DTU.
- C) Affix the label to the installation map.
- D) Complete the installation map. Keep it properly for your records.



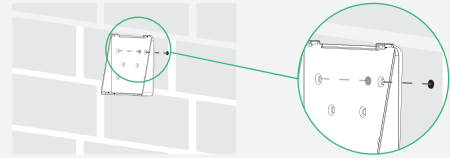
- E) Install the DTU.

Option 1: Place the DTU on a table.

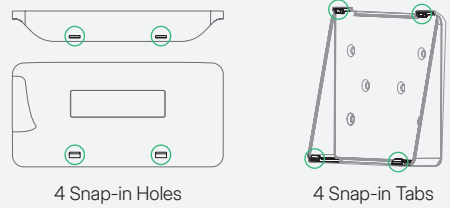
- Place the DTU on a table.
- Adjust the antennas so that they stay vertical to the table.

Option 2: Mount the DTU on the wall.

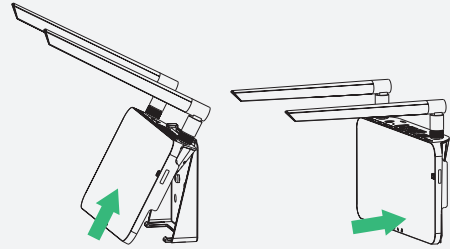
- * We recommend on-site commissioning to check the DTU communication quality before wall-mounting. (Scan the QR code on page 01 for instructions.)
 - ** Wear proper PPE when drilling.
- a. Fix the bracket on the wall using at least two screws (one on each side).



- b. Align the snap-in holes on the antenna side of the DTU with the bracket's upper snap-in tabs.

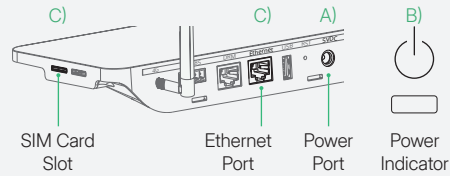


- c. Push the DTU towards the upper snap-in tabs until you hear a click.
 d. Press the lower part of the DTU against the bracket until it clicks into place.
 e. Adjust the antennas so that they stay vertical to the wall.

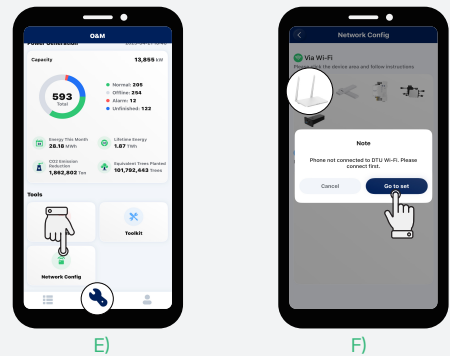


4. Network Configuration

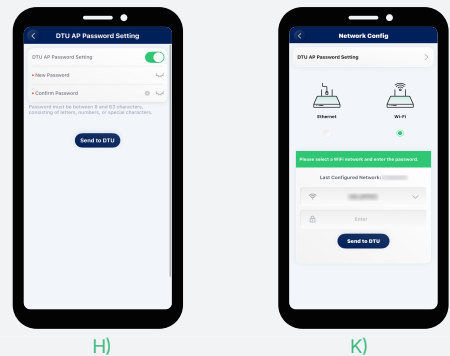
- A) Connect the adapter and the DTU using the power cable.
 B) Plug in the DTU. The power indicator will be solid green.
 C) **Ethernet** connection: Connect the router and the DTU using the Ethernet cable.
4G connection: Insert the SIM card into the DTU until you hear a click.



- D) Open and log in to S-Miles Installer using your credentials.
 E) Tap **O&M** > **Network Config**.
 F) Tap the picture of the DTU, and then tap **Go to set**.
 G) Select the DTU's network.
 * The DTU's network name is DTUP-last 8 digits of the SN, and is password-free by default.



- H) Return to the App, and set the new DTU AP password.
 I) Wait for about 30s, and connect to the DTU's network again using the new password.
 J) Return to the App, and tap **Network Config**.
 K) Select a connection method, and tap **Send to DTU**.
 L) Wait for about 60s. When the connection succeeds, tap **Finish**.



* To create an online plant, scan the QR code on page 01 for instructions.

Regulatory Compliance Statement

- Only qualified personnel can install or replace the DTU. Hoymiles is not liable for damages resulting from improper installation and use.
- Install the DTU away from dust, liquid, and corrosive gases.
- Do not attempt to repair the DTU. Contact your installer or distributor for maintenance. Unauthorized disassembly of the DTU is strictly forbidden, and voids the warranty.

Hoymiles confirms that the product described in this guide meets the essential requirements and relevant provisions of the EU directives.

Radio Technology	Radio Spectrum	Maximum Transmission Power
Sub-1G	868 MHz / 915 MHz	≤ 16 dBm

These technical parameters apply only to EU countries.

EU Directive Compliance

This product complies with the following EU directives and can be used without restrictions in the European Union:

- Directive 2014/53/EU (RED) and 2009/125/EC: Relating to the provision of electrical equipment within certain voltage limits on the market (Low Voltage Directive).
- Directive 2011/65/EU and 2015/863/EU (RoHS): Restricting the use of certain hazardous substances in electrical and electronic equipment.



The user manual and full text of the EU Declaration of Conformity (DoC) are available at: www.hoymiles.com.