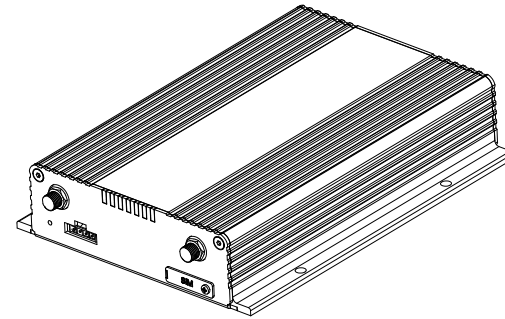


Vola Networks

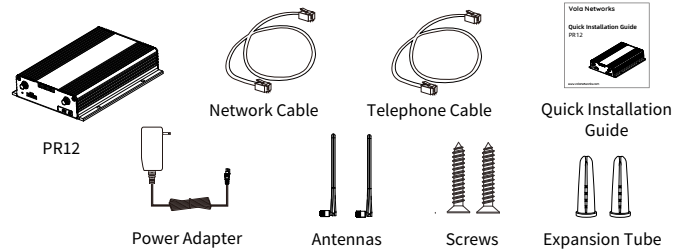
Quick Installation Guide PR12



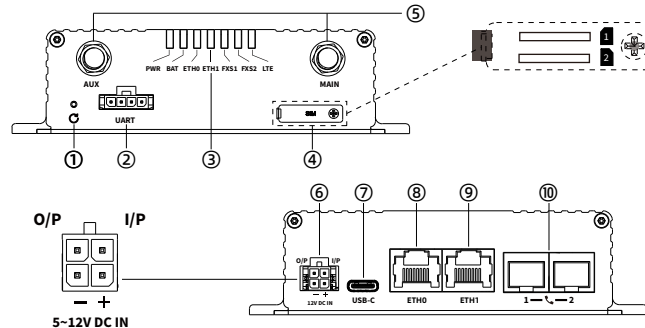
www.volanetworks.com

1 Packing list

The following items are included in package. Please contact your service provider, if you find anything missing.



2 Physical Specification



3 Port Description

Number	Name	Interface Description
①	Reset Button	Reboot: click the reset button to reboot the device Reset: when device is in shipping mode* , press the reset button and plug in the adapter while keep pressing, wait for all LED to flash, release the button
②	UART Port	Connect to expansion device/configure the device
③	Indicators	See the table below to get the description of indicators
④	SIM Card Slots	Support inserting 2 SIM cards to use cellular or make VoLTE calls
⑤	4G Antenna Ports	Connect to 4G Antennas to receive signal from base station
⑥	Power Port	Connect to 12V DC power adapter included in the package
⑦	USB Type-C Port	Maintenance port for upgrade
⑧	Eth0 Port	Connect to other device to provide network (support PoE in)
⑨	Eth1 Port	Connect to other device to provide network/visit web background
⑩	FXS Ports	Connect to analog phone/Fax/modem or other devices

*Shipping mode: refer to the last page of this guide to turn off the battery

4 Indicator Description

Status	Description
Steady Red	System Error
Steady Green	Working Normal
Flashing Red	Upgrade, Reboot Factory Reset, Boot Up
Off	Power Off

Status	Description
Flashing Green	Battery is Charging
Steady Green	Battery is full
Steady Blue	Battery is Discharging
Flashing Blue	Battery is Low(<20%)
Off	No Battery/Battery Error

Ethernet Indicator

Status	Description
Steady Green	Connection Successful
Flashing Green	Data Transferring
Off	No Connection

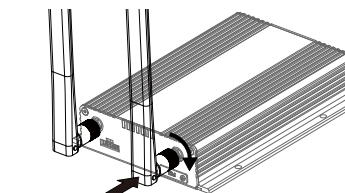
FXS Indicator

Status	Description
Steady Green	Registration Successful
Flashing Green(1Hz)	In calling, Hook-off
Flashing Green(5Hz)	Incomming Call
Off	No Registration

5 Device Installation

1: Get standard Nano-SIM Cards from supported carrier, remove the cover of the SIM card slot, and insert the SIM card. and then put back the cover, tighten the screw.

Pay attention to the SIM card orientation!



4G Indicator

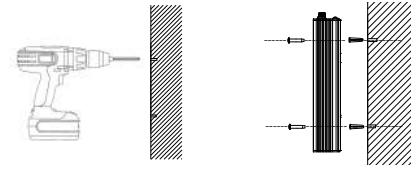
Status	Description
Steady Red	Weak Signal
Steady Blue	Medium Signal
Steady Green	Strong Signal
Flashing Blue	Connecting/Switching
Off	No SIM/Unrecognized/SIM Error

(Use the slot 1 in first priority)

2: Use the 2 antennas included in the package, tighten and fix them on the port of MAIN and AUX of the device respectively. Adjust the antenna to the desired angle and direction.

3. Drill 4 holes at the wall according to the installation holes on PR12.

Insert the expansion tube to the wall, and use the screws included in the package to fix the PR12 on the wall.

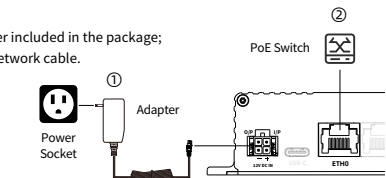


6 Powering the Device

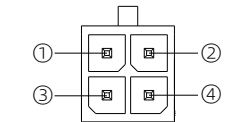
PR12 supports 2 ways of power supply

- 1: Normal power supply with the power adapter included in the package;
- 2: Connect to PoE switch with included RJ45 network cable.

If used with vehicle power or other device, please go to www.volanetworks.com to get the user's manual and follow the instruction.



4-Pin Power Port Description



PIN	Description
①	Output, 5V
②	Input, 12V tolerant
③	GND
④	Power, 12V DC

- If it is powered by PoE: use the network cable that comes with the device, plug one end into the ETH0 port of the device, and connect one end to a device that supports PoE Out, such as PoE switch or Vola PR08-Pro;
- If it is powered by Power adapter: Connect the power adapter to the 4-pin power port. After powering the device, the device will automatically boot up and activate the battery.

7 Using the Device

Configure the device:

Use the network cable to connect the Eth1 port of the device to the WAN port of PC, enter the IP address of the LAN port (default: 192.168.1.1) in the browser, the page will jump to the login interface, input the username and password (admin/last 6 digits of SN number), then you can configure the device via web interface.

Configure the SIM Card:

Normally, the SIM Cards require no extra configuration on APN, if you find your SIM card doesn't work with auto mode Navigate to LTE -> APN

1. Select the SIM card to configure;
2. Fill in the corresponding parameters provided by your cellular plan provider or IT administrator;
3. Click "Save".

Register to SIP server:

Navigate to Phone -> VoIP

1. Select the corresponding port to configure (FXS1 support VoLTE call if no registration);
2. Select "Enable" to enable the port;
3. Fill in the SIP registration parameters provided by your phone provider or IT administrator;
4. Click "Save".

Please refer to the following sheet to finish the configuration.

Parameters Name	Description	Parameters Name	Description
Port Enable	If or not enable the registration of the port	Display Name	The number will display in callee
Proxy Server	The domain name or IP address of SIP server	Phone Number	Number of telephone provided by SIP Proxy
Outbound Proxy	Outbound Proxy IP or domain name	Account	SIP account provided by SIP Proxy
Outbound Port	Outbound Proxy's Service port	Password	SIP password provided by SIP Proxy
Proxy Port	The port which SIP Server supports for VoIP service, default is 5060		

How to turn off the Battery:

1. Make sure the device is fully boot up, and the power adapter is **disconnected**;
2. Long press the reset button for **over 5s** until all LEDs are turned on;
3. **Release** the Reset button, all LEDs will be turned off;
4. The device now enter shipping mode. (if it doesn't work, wait for complete startup and perform it again)