

LipRouter

H7

User Manual

REV 1.0

LIVEPLUS GLOBAL TECH SDN BHD

Table of Contents

1. Hardware Specifications	2
1.1 Packing List.....	2
1.2 Device Parameters.....	2
1.3 Interface Diagram	3
2. Installation and Commissioning.....	3
3. Software Functions	5
3.1 Boot Interface.....	5
3.2 Setting Interface	5
3.3 Account Management	6
3.4 WIFI Management	6
3.5 WAN Management.....	7
3.6 LAN Management.....	8
3.7 Network Speed Test	8
3.8 Device Information	9

FCC Warning:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure warning:

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

1. Hardware Specifications

1.1 Packing List

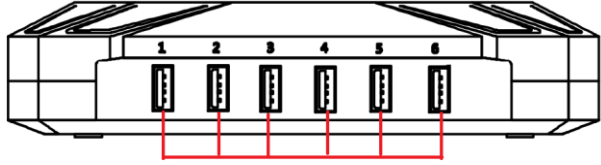
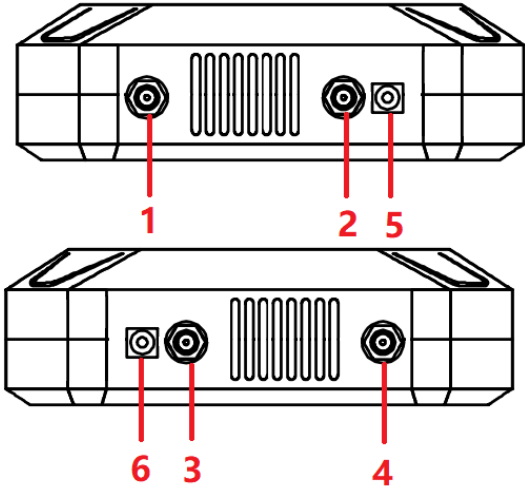
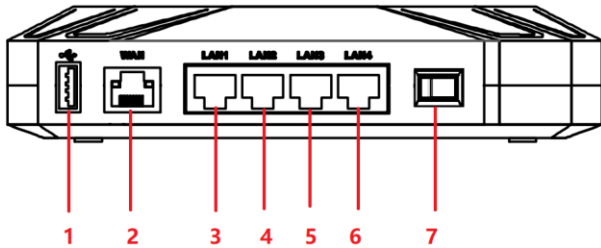
Name/Model	Package	Specification	Number of pieces	Actual number	Remarks
Device	Carton Packing	LipRouter H7	1	1	With Antenna
Power Cable	Carton Packing	Standard	1	1	
Power Adapter	Carton Packing	Standard	1	1	
Warranty Card Certificate	Carton Packing	Nagasoft Customization	1	1	
Manual	Carton Packing	Nagasoft Customization	1	1	

1.2 Device Parameters

Features	8-channel bonding network) into WIFI and wired network exit bandwidth
Extensions	<ul style="list-style-type: none">● Kernel-level aggregation algorithm, super-efficient multi-channel bandwidth overlay, transparent to application layer● Efficient bandwidth detection and congestion control algorithms to fully mine each channel's bandwidth● Support port forwarding and provide public network IP● Dynamic data split and encrypted transmission to improve private data security● One-click to restore factory● Online firmware upgrade
Bandwidth Bonding	Up to 300Mbps
WAN Interface	1 Gigabit Ethernet interface
LAN Interface	4 Gigabit Ethernet interfaces
WIFI Frequency	2.4GHz (b/g/n)
Adapter	DC 19V/2.1A
Supply Voltage	Dual DC redundant power supply, intelligent power supply switching, support battery power supply
Screen	5-inch touch screen
Hot Shoe	Built-in bottom, 1/4-20
Size	186.6*126*43.5mm
Weight	0.6KG

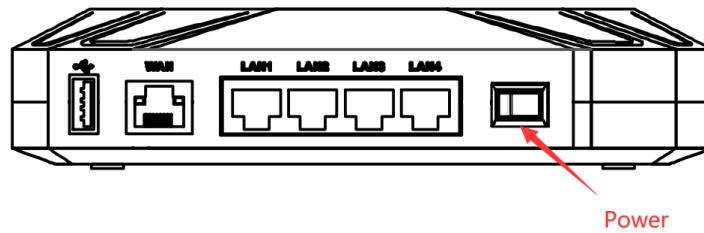
Operating Temperature	0°C - 45°C
Anti-vibration	5.5~200Hz

1.3 Interface Diagram

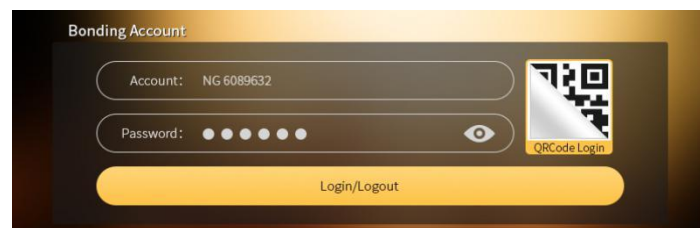
	6 USB ports
	<p>1/2/3/4 = WIFI antenna interface (only one antenna used)</p> <p>5/6 = DC input interface</p>
	<p>1、USB interface 2、WAN interface 3、LAN interface 1 4、LAN interface 2 5、LAN interface 3 6、LAN interface 4 7、Power switch</p>

2. Installation and Commissioning

1. Remove the LipRouter from the packaging and place it on a stable desktop.
2. Take out the power adapter and connect it to the DC 19V interface on the left side of the LipRouter.
3. Take out 4 WIFI antennas and connect them to the 4 WIFI antenna interfaces of the LipRouter. (Only one antenna was used)
4. Use a network cable from the Internet to the WAN interface of the LipRouter.
5. Switch on the power switch of the LipRouter to start the device. As shown below:



6. After entering the main interface, please click the "Settings" icon button in the lower right corner to enter the setting interface.
7. In the setting interface, click the "Bonding account" button, enter the account / password or scan the QR code to log in, and then you can use the bonding function, as shown in the figure below:



8. In the setting interface, click the "WAN" button, you can set to automatically assign or manually assign an external network IP address.
9. In the setting interface, click the "WIFI" button, manually enter the network name and connection password of the WIFI hotspot, and select 2.4G and secure connection mode to share the WIFI hotspot, as shown in the figure below:

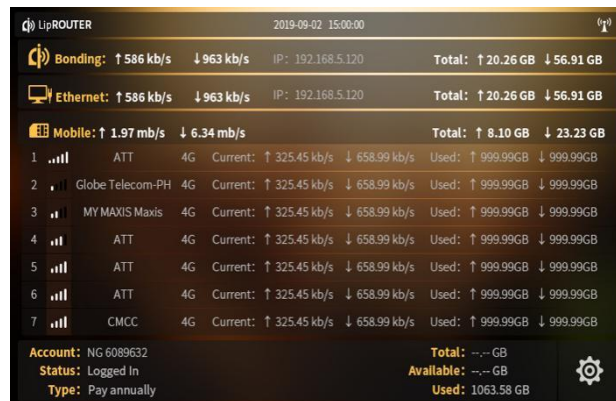



10. In the setting interface, click the "LAN" button to manually set the IP address of the local area network.
11. After the network setting is completed, the relevant internet access device can achieve the network data transmission function by connecting the WIFI hotspot or the wired interface to the LAN interface
12. After used, turn off the power of the LipRouter, remove the connected network cable, USB 4G network card, WIFI antenna, and put the main device and power adapter into the box.

3. Software Functions

3.1 Boot Interface

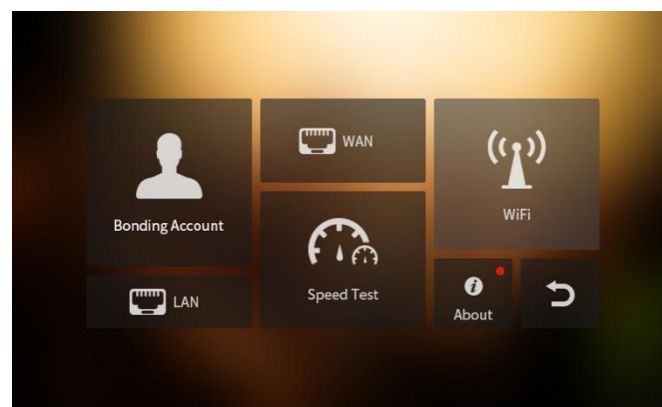
After the LipRouter is powered on, its 5-inch touch screen control interface is as follows:




1. Bonding network: Real-time monitoring of the network speed of the bonding network, with the function of real-time monitoring of aggregated traffic.
2. Wired network: Real-time monitoring of wired network speed.
3. 4G network: Real-time monitoring of multiple 4G network speeds and traffic, and support bonding 4G network speed and traffic monitoring.
4. Bonding status: Bonding account status and account flow information monitoring.
5. Setting: Click the button  in the lower right corner to enter the setting interface.

3.2 Setting Interface

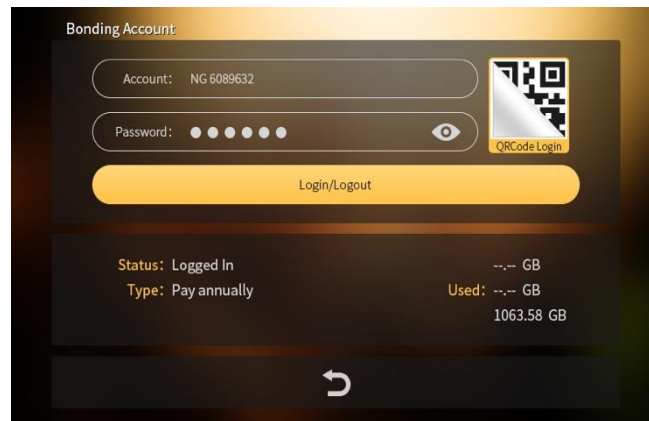
The setting interface provides WIFI settings, WAN settings, LAN settings, Bonding account settings, Speed test, and (device serial number, upgrade, etc.) interfaces. The interface is shown below:



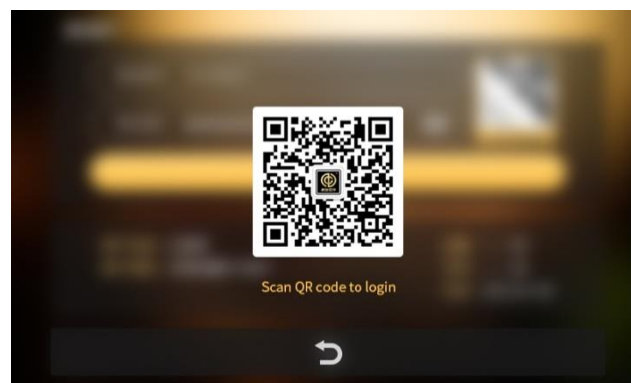
Click  button in the lower right corner to return to the main interface.


3.3 Account Management

Click the "Bonding Account" button in the settings interface to enter the bonding account management interface, as shown in the figure below:



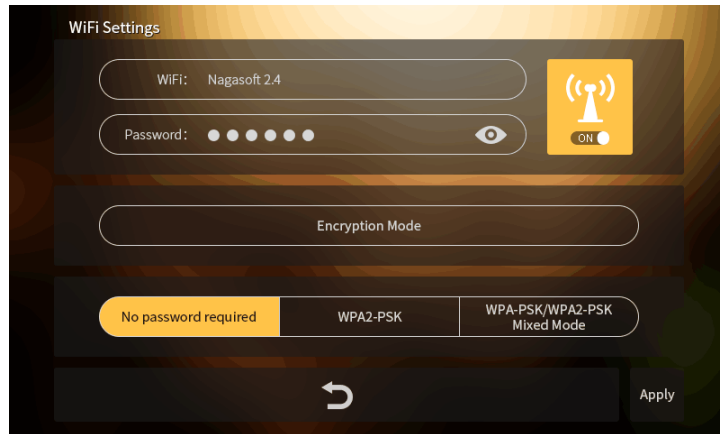
In the account management interface, you can log in to the bonding account by entering the account and password, or you can log in by scanning the QR code, as shown in the following figure:




After logging in, you can get the type of bonding account and traffic usage information. Click  button at the bottom to return to the main interface of settings.

3.4 WIFI Management

Click the "WIFI" button on the settings interface to enter the WIFI management interface, as shown in the figure below:

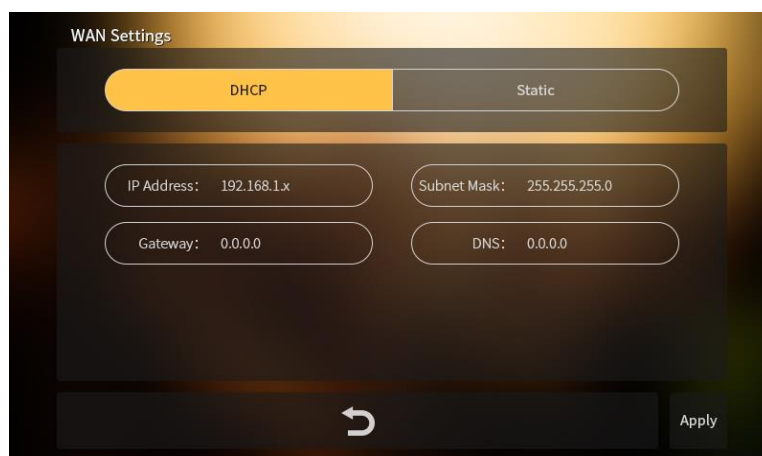


In the WIFI management interface, you can customize the WIFI network name and network password. You can operate WIFI to turn it on or off, select 2.4G mode, and select 3 secure connection modes.


After the setting is completed, click the “Apply” button in the lower right corner to make the setting take effect. Click  button at the bottom to return to the setting interface.

3.5 WAN Management

Click the "WAN" button on the setting interface to enter the WAN setting interface, as shown in the figure below:

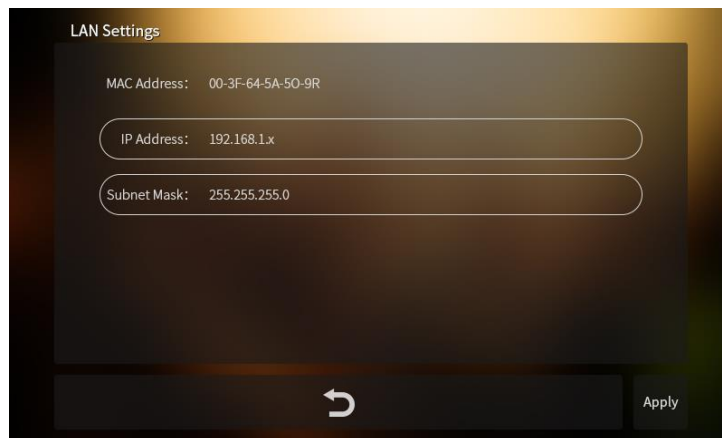



In the WAN setting interface, you can choose to assign IP dynamically or set IP manually; after selecting the “Static IP” setting, please enter IP address, mask, gateway and DNS manually.

Click “Apply” button for the setting to take effect. Click  button at the bottom to return to the setting interface.

3.6 LAN Management

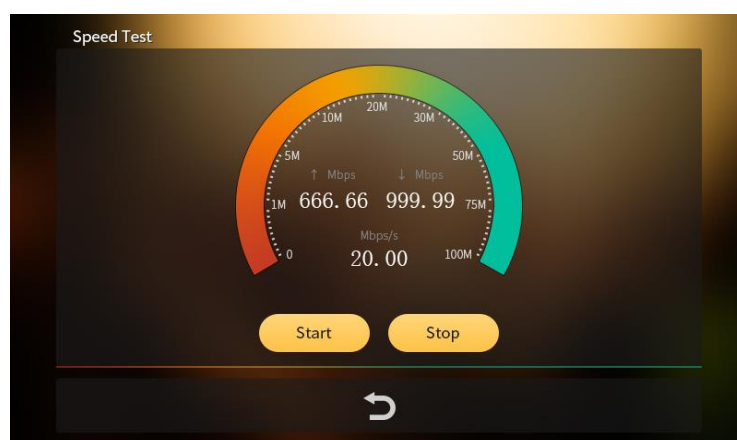
Click the "LAN" button on the setting interface to enter the LAN setting interface, as shown in the figure below:




Set the LAN connection settings in the LAN setting interface, and set the “IP address” and “Subnet mask” respectively. Click “Apply” button for the settings to take effect. Click  button at the bottom to return to the main interface of settings.

3.7 Network Speed Test

Click the "Speed Test" button on the setting interface to enter the network speed test interface, as shown in the figure below:



On the network speed test interface, the current bonding network can be tested in real time, and the speed test can be started and stopped separately. Click  button at the bottom to return

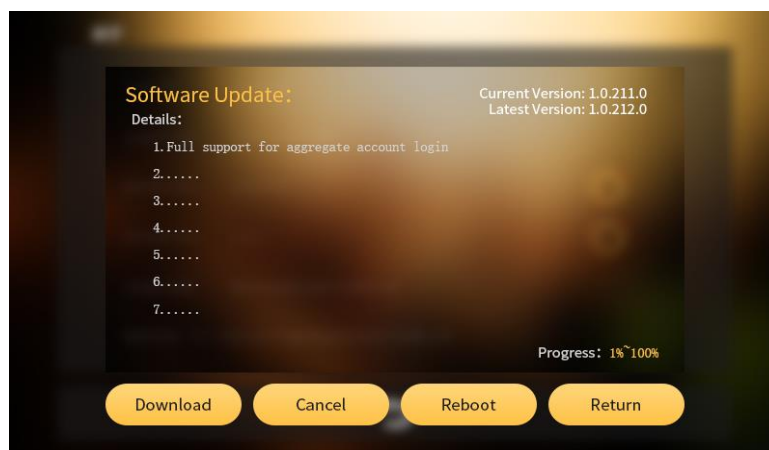
to the setting interface.

3.8 Device Information

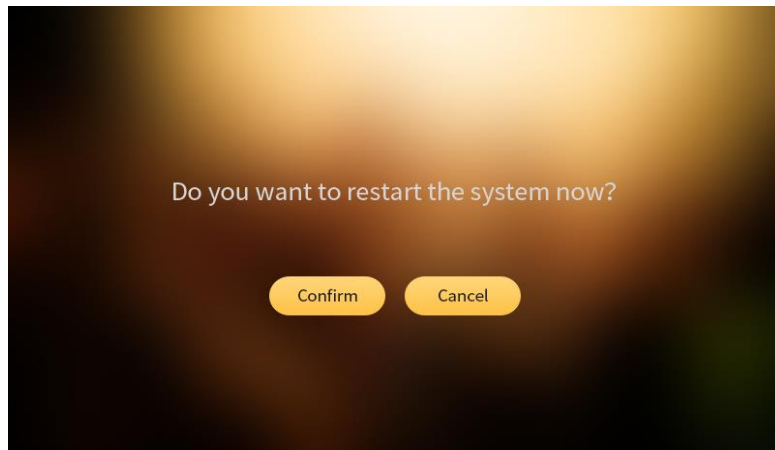
Click the "About" button on the setting interface to enter the device information interface, as shown in the figure below:



In the device information interface, you can view the device serial number and software / firmware version information. If there is a new version, there is an upgrade button on the interface to prompt firmware upgrade and software upgrade. Click the update button, and the interface will pop up as shown below:



Click "Reboot" to pop up the restart device prompt interface, and click "Confirm" to implement soft reset device, as shown in the figure below:



Click “Factory Reset” to pop up the restore factory prompt interface, click “Confirm” to restore the parameters to the original factory state, as shown in the figure below:

