THIRD NET
USA

T-LINK

TN-BR-1000
User's Manual

CONTENTS

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.

Attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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❶ Product Introduction

The Intelligent Dual WAN Router is designed specifically for wireless operators which provide mobile Internet access. It can also be deployed by small to medium businesses as essential Internet connectivity. It will provide 24/7 Internet accessibility when both primary and secondary WAN connections are established.

The router can seamlessly route Internet traffic between its primary connection (Cable, DSL, etc.) and the secondary connection (4G/LTE wherever available). When the primary Internet service is interrupted, it will automatically switch the Internet traffic to 4G/LTE WAN and switch back when the primary Internet service resumes.

The router can be managed locally or remotely. Vital network access/performance statistics can be view and further analyzed by the network administrators in real time. It has the capabilities to send out multiple kinds of notifications via email/text/chat messages if primary Internet service is interrupted. Based on the occurrences it also be able to recommends intelligent solutions to resolve connectivity issues.
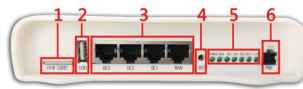
Designed with technology progress in mind, the router's 4G LTE radio module can be upgraded to newer hardware/driver upon the available.

❷ Specifications

## 2.1 Hardware

Main Unit Dimension L/W/H(mm)：165.1×171.4×36

2.2 Back Panel Connections and LED Indications

No.	Label		Description
1	UIM CARD		Seat Support LTE FDD:B2/B4/B12 Support WCDMA：B2/B4/B5
2	USB		USB2.0 Interface
3	Ethernet Interfaces	WAN	Wired WAN
		GE1、GE2、GE3	Gigabit LAN
4	RST		Reset button Reset the unit back factory default settings
5	Indicator Light	POWER	1）Power Indication Solid green indicates input power normal 2）Power supply 12DCV 3.5A. Enclosed both standard AC/DC adapter and temporary battery pack for initial setup. 5 AA batteries are included.
		WAN	WAN connection indicator. Solid lid indicating connected while flashing indicating data transferring
		GE1、GE2、GE3	10M/100M/G LAN connection indicator; Solid lid indicating connected while flashing indicating data transferring
		WIFI	1）WIFI connection indicator; Solid lid indicating connected while flashing indicating data transferring 2）Internal WIFI antenna providing 2.4 GHz WIFI connectivity
		LTE	Cellular Indicator; Solid indicating connected. Built-in exterior 4G/LTE antenna
6	PWR		power DC power receptacle （12V ⎓ 10W MAX）

❸ Installation Guide

3.1 Connection
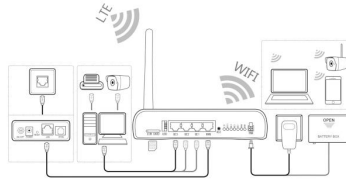
3.2 Installation environment requirements

3.2.1 Ventilation and environment
The upside of the router should retain a certain space for air circulation and be kept a certain distance away from the heat source to meet the heat dissipation requirements. The environment should be kept dry to ensure normal operation of the product.

3.2.2 Anti-electromagnetic interference requirements
It may be subject to interference from outside the router in use and needs to be kept away from such interference in order to get best performance. Interference mainly affects the device through capacitive coupling, inductive coupling, electromagnetic wave radiation, common impedance (including grounding system) coupling, and conduction of wires (power lines, signal lines, and output lines, etc.).
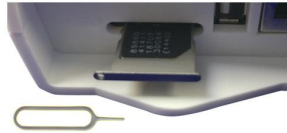
3.3 Product Installation

Place the router on a smooth surface .

3.3.1 UIM Card Installation
Use a pin to push the SIM seat out of the slot and place the UIM card into the card slot

3.3.2 Power

Use the power adapter that came with your router. Insert the power adapter into the power outlet, the other side into the power connecter of your router.

3.3.3 Battery case

Use the battery case that came with your router. Insert 6 AA batteries into the case, the other side into the power connecter of your router. The battery can make you convenient to find a best installation place with best LTE signal.

❹ User Configurations

4.1 Prerequisites

4.1.1 System Requirements
Prior to installing this router, please ensure that your computer satisfies the following requirements:

Using PCs
- PCs with a working Ethernet Adapter and an Ethernet cable with RJ45 connectors.
- TCP/IP protocol on PCs.
- Web browser, such as Microsoft Internet Explorer, Chrome, Mozilla Firefox or Apple Safari.
  Using Mobile Phone
- Wifi function.
- Camera.

4.1.2 Connecting the Router

Before installing the Router, please make sure your broadband service provided by your ISP is available. If there is any problem, please contact your ISP. After that, please install the Router according to the following steps.

Router should be connected to PC via Ethernet cable.
- With Ethernet cable. One end of cable insert to one of "Local Network " ports(named "LAN" port), another end connects to PC Ethernet port.
- Wi-Fi is open by default and shown as "ivs8000".

4.2 IP address setting

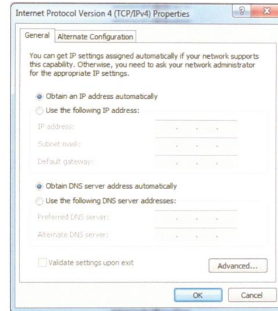
Figure 2-5 IP settings

IP must set the automatic type.

4.3 Log in

The default IP address of the Router is 192.168.1.1. And the default Subnet Mask is 255.255 .255.0. These values can be changed as you desire. In this guide, we use all the default values for description.

Start your web browser and type in the default address http://192.168.1.1 in the address field of the browser.
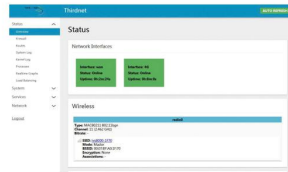
and press **'Enter'** or click **'Go'**. After a moment, a log in window will appear.
Enter **admin** for the Username and **tn123456** for the Password.
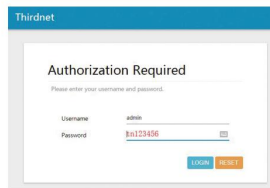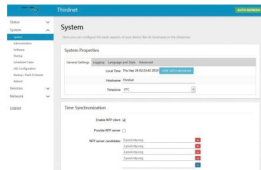

4.4 Overview

After your successful login, you will see the Status screen, choose overview.
You can view the status includes network status ,wireless status and system information etc.
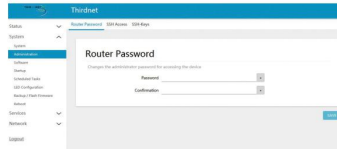

4.5 Configurations

4.5.1 Time
 Select System → System， choose time zone and check the ntp server.
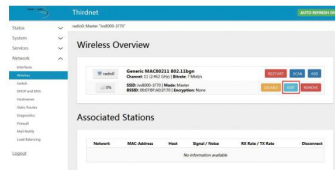
4.5.2 Administrator Password

Select System → Administration → Router Password，type your new password in Password and again in Confirmation. Then click save.

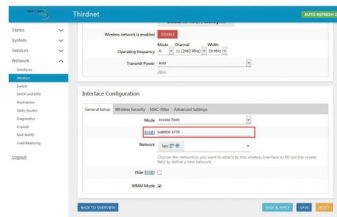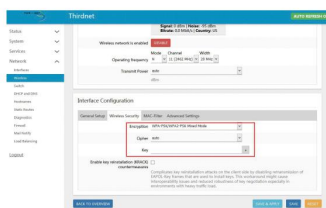Next time you will use your new password to login the router.

4.5.3 Wireless

Select Network → Wireless → EDIT into configuration page.

Choose Interface Configuration → General Setup，input your new SSID name in **ESSID** and save.

Select Interface Configuration → Wireless Security，choose your preferred encryption mode and input wireless password in Key , then save.

4.5.4 Mail notification

When wan failover to 4G LTE, you will get an email notification. Before using this function, need check Enable ☑ .
Select Network → Mail Notify，type your Recipient mailbox，Username/Password of your mailbox , Smtp server and encryption protocol, then save.
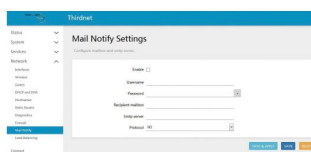
❺ One-click detection

Connect your mobile phone to the router via WiFi then scan the QR code on the package.
You can check the automatic detection result of network status.
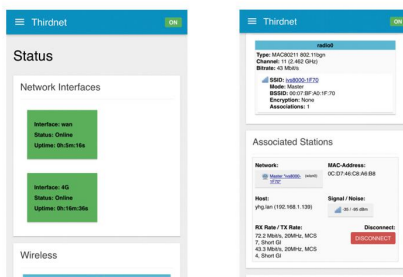
Warranty

Thirdnet USA offers you a limited warranty that the enclosed unit and accessories will be free from defects in material and workmanship for a period that expires one (1) year from the date of sale of the Product to you, provided that you are the original end-user purchaser of the Product and provided that your purchase was made from a supplier authorized by the Seller. Transfer or resale of a Product will automatically terminate warranty coverage with respect to that Product. This limited warranty is not transferable to any third party, including but not limited to any subsequent purchaser or owner of the Product. This limited warranty is applicable only to end users in the United States.

1. This product is warranted for twelve (12) months from the date of purchase.

2. For warranty service information, please call the customer service number (732) 662-4001. The manufacturer's website, http://thirdnetusainc.com, is also available for assistance.

3. This warranty only applies if the product has been used in accordance with the manufacturer's instructions under normal use and with reasonable care.

4. What this warranty does not cover:

   A. Defects or damages resulting from the misuse of this product.
   B. Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture, dampness or corrosive environments, unauthorized modifications, unauthorized repair, neglect, rough handling, abuse, accident, alteration, improper installation, incorrect voltage application, food or liquid spillage, act of God.
   C. Normal wear and tear.
   D. If the Product has been opened, modified or repaired by anyone other than a warranty service center or if it is repaired using unauthorized spare parts.
   E. If the serial number or mobile accessory date code has been removed, erased, defaced, altered, or are illegible in any way subject to sole judgment of Thirdnet USA.

LIMITED WARRANTY

TO THE EXTENT PERMITTED BY APPLICABLE LAW, THIS LIMITED WARRANTY IS YOUR SOLE AND EXCLUSIVE REMEDY AGAINST THIRDNET USA. THIRDNET USA'S SOLE AND EXCLUSIVE LIABILITY IN RESPECT OF DEFECTS IN PRODUCT. HOWEVER, THIS LIMITED WARRANTY SHALL NOT EXCLUDE NOR LIMIT ANY OF YOUR LEGAL (STATUTORY) RIGHTS UNDER THE APPLICABLE NATIONAL LAWS.

TO THE EXTENT PERMITTED BY APPLICABLE LAW THIRDNET USA DOES NOT ASSUME ANY LIABILITY FOR LOSS OF OR DAMAGE TO OR CORRUPTION OF DATA, FOR ANY LOSS OF PROFIT, LOSS OF USE OF PRODUCTS OR FUNCTIONALITY, LOSS OF BUSINESS, LOSS OF REVENUES OR LOSS OF ANTICIPATED PROFITS, INCREASED COSTS OR EXPENSES OR FOR ANY INDIRECT, OR SPECIAL OR CONSEQUENTIAL LOSS OR DAMAGE. TO THE PURCHASE VALUE OF THE PRODUCT.

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