

TOTO LINK
The Smartest Network Device

Quick Installation Guide

Smart Coverage Mesh System

Apply to: X20, A20

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1 Introduction

Package Content

1 * Master router	1 * Standard network cable
3 * Satellite router	3 * Mini network cable
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Overview
Master Router

Satellite router

LED Instruction

Master Router		
SYS LED	On	Device is booting
	Flashing slowly	Device is working normally
	Flashing quickly	Device is resetting to factory setting
WAN/ LAN1-LAN4 IPTV LED	On	Port is connected
	Off	Port is disconnected
	Flashing	Port is transmitting data

Satellite router		
LED	Blue on	Connected to Internet or MESH successful
	Red on	No Internet
	Orange flashing	MESH pairing
	Blue flashing	Device is resetting to factory setting

Interface and key description

Master Router		
Power port	Providing power to device	
WAN port	Connect to modem or connect to an external network	
LAN port	Connect to computer or switch	
IPTV port	Connect to modem IPTV port	
RST button	Restore factory settings, press and hold for 5 seconds until all indicator lights flash, the system reboots and the administrator password is restored to factory settings successfully	

Satellite router		
LAN/POE port	Connection for power supply equipment	
LAN port	Connect to computer or set-top box	
TYPE-C port	Connect to power supply USB 5V 2A	
MESH button	Press and hold for 1-3 seconds and then release, the indicator will turn orange flashing and the device will enter MESH state.	
MESH button	With normal power supply to the device, press and hold for 5 seconds until the light flashes blue and then release, the device will automatically restore the factory settings and reboot.	

2 Hardware connection

Install Master Router
Connect the master router's power cable, uplink network cable and pre-built network cables in other rooms, and then put the master router directly into the weak power box, while the master router also supports wall-mounting.

Bracket and accessories

8 The coming page is the summary information for your setting. Please remember your Wi-Fi name and password, then click **Done** (P9) Then your router will restart automatically. This time your phone will be disconnected from the router. Please back to the WLAN list of your phone to choose the new Wi-Fi name and input the correct password. Now, you could enjoy the Wi-Fi (P10)

Connection Type	Description
Static IP	Input the IP address, Subnet Mask, Default Gateway, DNS from your ISP.
Dynamic IP	No information required. Please confirm with your ISP if Dynamic IP is supported.
PPPoE	Input User Name and Password from your ISP.
PPTP	Input Server Address, User Name and Password from your ISP.
L2TP	Input Server Address, User Name and Password from your ISP.

(P6)

4 Build a Seamless Wi-Fi Networking System

After installation is complete, all satellite routers form a unified network with a single network name. As you move around your home, it will automatically connect you to a satellite router with a better signal.

5.1 Wi-Fi networking system diagram
Wi-Fi networking system consisting of one master route and three satellite routes connected by network cable

The Wi-Fi networking system consists of one master router and two satellite routers connected by network cable, and another satellite router connected by wireless.

5.2 Wireless blind Network
After the master router and satellite router are wired successfully, you can move the satellite router to the place where Wi-Fi coverage is needed and then power it on via TYPE-C. The LED of the satellite router will show a constant blue light, indicating that the wireless blindness is successfully filled.

5 Configure the Router on Computer

(choose one way from phone or computer to configure)

- Connect any interface of LAN1-LAN3 using Ethernet cable, then open any web browser and enter <http://totolink.net> in the address bar.
- Enter **admin** for the password, then click **LOGIN**.
- Click **Quick Setup** in the top left corner of the page to complete the network settings.
 - Time Zone Setting. According to your location, please select a appropriate option from the list, then click **Next**.
 - Internet Setting. Choose a suitable connection type from the list and fill in the information required, then click **Next** (See more information about the connection type in P.5.)
 - Wireless Setting. Create passwords for 2.4G Wi-Fi and 5G Wi-Fi (Here users could also revise the default Wi-Fi name) and then click **Next**.
 - For security, please create a new login password for your router, then click **Next**.
- The coming page is the summary information for your setting. Please remember your Wi-Fi name and password, then click **Done**. Your router will restart automatically. Please connect to the new Wi-Fi. Now, you could enjoy the Wi-Fi.

Install Satellite router
After the master router is installed, please refer to the following steps to install the Satellite router.

- Connect the network cable on the back of the Satellite router to the network port of the network port panel.
- After the satellite router indicator shows a constant blue light, peel off the release paper on the back of the Satellite router.
- Clean the dust on the network port panel, and fix the satellite router with the LAN port facing down on the network port panel.

3 Configure the Router on Phone

(choose one way from phone or computer to configure)

- Ensure that all satellite routers have been successfully connected to the master router, and the indicator light is blue on. Connect the Wi-Fi of the router with your Phone, then run any Web browser and enter <http://totolink.net> or **192.168.0.1** in the address bar. (Tips: the SSID is in the sticker on the bottom of the Master router. SSID varies from router to router.) (P1)
- Enter **admin** for the password and then click **LOGIN** (P2)
- Click **Quick Setup** on the coming page. (P3)
- Time Zone Setting. According to your location, please select a appropriate option from the list, then click **Next**. (P4)
- Internet Setting. Choose a suitable connection type from the list and fill in the information required, then click **Next**. (P5-P6)
- Wireless Setting. Create passwords for 2.4G Wi-Fi and 5G Wi-Fi (Here users could also revise the default Wi-Fi name) and then click **Next**. (P7)
- For security, please create a new login password for your router, then click **Next**. (P8)

Unable to log in the router's web page on Phone?
Please check if your Phone has connected to the Wi-Fi of the router and make sure you have entered the correct default gateway <http://totolink.net>.

How to restore the router to factory default settings if I forget the router login password?
Keep the router powered on and press the RST button for 5 seconds or more until the system LED on the front panel flashes, the system will automatically reboot and restore factory settings.

What should I do if the Satellite router LED does not light up after connecting the Satellite router cable?
1. Please make sure that there is no loose connection, no bad contact, and no abnormality of network cable between Satellite router and network port panel.
2. Please make sure there is no loose connection at the LAN port of the master router and no abnormal crystal head.
3. Please make sure that the network cable holder inside the network port panel is in the correct sequence and has good contact.
4. Please replace the network cable from the back of the router, reconnect the network port panel.

How to restore Satellite router to factory settings?
When the device is normally powered, press and hold for 5 seconds until the light flashes blue and then release, the device will automatically restore the factory settings and reboot.

6 FAQs

How to use the IPTV function of the router?
1. Use a network cable to connect the IPTV port of the modem and the master router.
Note: If the modem has only one LAN port for both Internet and IPTV services, it is not necessary to connect this cable.
2. Use a network cable to connect the LAN port on Satellite router and the network port of the set-top box.

What are the ways to add Satellite router?
1. Wired operation, the new device to be joined is wired to the master router or one of the Satellite routers that have been successfully connected, and moved to a suitable location after the automatic networking is completed.
2. Key operation, select a Satellite router that has been successfully connected and press the MESH key for 1-3s, while pressing the MESH key for 1-3s on the new device to be joined to complete the networking.
3. Page operation, click Expand on one of the Satellite routers in the list of currently connected devices, while pressing the MESH key for 1-3s on the new device to be added to complete the networking.

How to power Satellite router using the TYPE-C port?
Through the unused USB charging head (5V/2A and above specifications) and TYPE-C cable, connect Satellite router TYPE-C port to achieve power supply.

Can satellite routers be used independently?
The satellite router cannot be used on its own, and should be used in conjunction with the master router of the Smart Coverage Mesh System series.

FCC Statement
This equipment 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 equipment 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 equipment 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.

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.

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

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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