TOTO LINK
The Smartest Network Device

Quick Installation Guide
1200Mbps Smart Home Wi-Fi Router

Model: T10

1 Appearance

Front Panel

Rear Panel

State LED (Recessed)

T Button

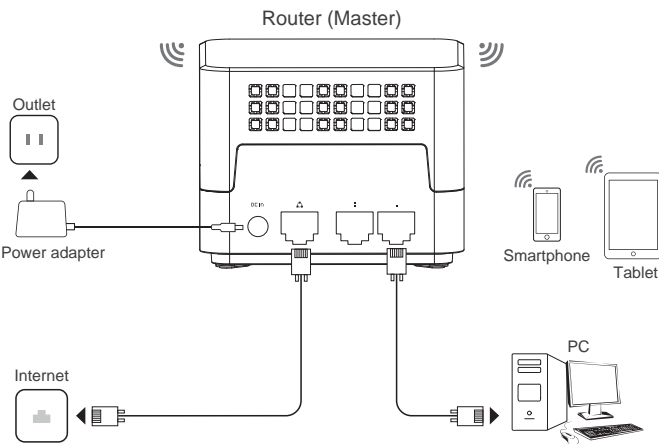LAN Ports

WAN Port

DC Power Port
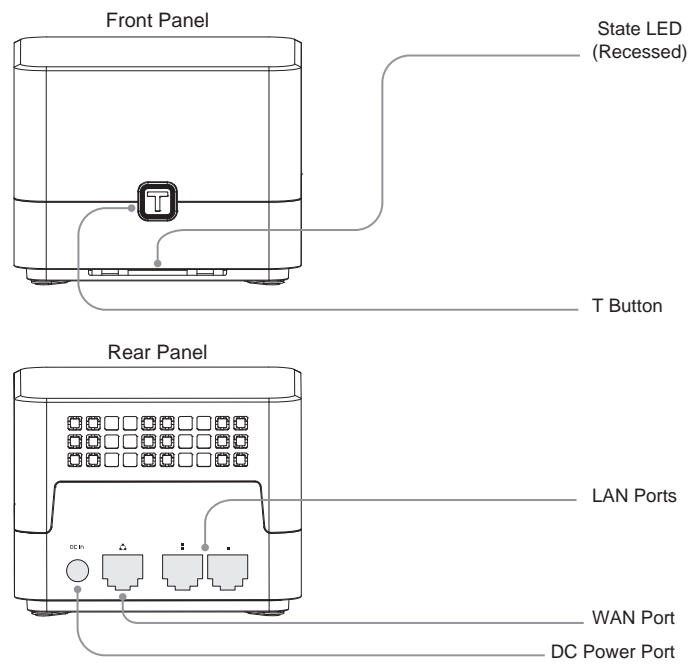
LED Name	LED Activity	Description
State LED (Recessed)	Solid green	● The router is booting. The process finishes until the state LED blinks green. It may take about 40 seconds; please wait. ● It means the Satellite is synced to the Master successfully, and the connection between them is strong.
	Blinking green	● The router finishes the booting process and is working normally. ● It means the Master is synced to the Satellite successfully.
	Blinking alternately between red and orange	The sync is being processed between the Master and Satellite.
	Solid red (Satellite)	● The Master and Satellite failed to sync. ● The connection between the Master and Satellite is poor. Consider moving the Satellite closer to the Master.
	Solid orange (Satellite)	The Satellite is synced successfully to the Master, and the connection between them is good.
	Blinking red	While the reset process is being proceeded.

Button/Ports	Description
T Button	● **Reset Router to factory defaults:** when the router is powered on, press this button and hold it for 5 seconds until the state LED blinks red. ● **Sync Master to Satellites:** press and hold this button on a router for about 3 seconds until the state LED blinks alternately between red and orange. This way, this router is set as the Master to sync to the surrounding Satellites.
LAN Ports	Connect to PCs or switches with Ethernet cables.
WAN Port	● Connect to an Ethernet port on a Modem or the wall for Internet access in Router (Gateway) mode. ● Used as a LAN port in Bridge, Repeater, WISP mode, or on the Satellites in the Mesh Wi-Fi system.
DC Power Port	Connect to an electrical outlet with the supplied power adapter.

2 Connect the Master to the Internet

All the routers can be seen and set as the Master or Satellite. They can be both configured in the same way. The section chooses one router as the Master and introduces how to make it access the Internet. In this case, the other routers are used as the Satellites and don't need to be set up like this router, but just kept in their original states for later use in your home Wi-Fi system together with this router to be configured.

⚠ Caution

● Use the supplied power adapter or one only where all design specifications are met.
● Place the router on a flat and stable surface.
● Leave proper clearance around the router.
● Prevent the router from sources of heat or fire. Heat may cause it to catch fire or its housing to melt.
● Unplug the router and remove all of its cables during lightning storms or when unused for a long period.
● Do not expose the router to rain, moisture, sprays, drips or splashes.

2.1. Diagram of a Master's network

Router (Master)

Outlet

Power adapter

Smartphone

Tablet

PC

Internet

### 2.2. Use a browser to access the Master

1. Connect your computer to any of the Master's **LAN** ports using an Ethernet cable.
2. Plug the Master into an electrical outlet.
3. Set your computer to obtain an IP address automatically. For more information, see section "Troubleshooting".
4. Launch a web browser.
5. In the address field of the browser, enter **192.168.0.1.**

http://192.168.0.1/
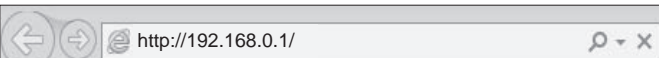
6. Enter the login user name and password and click the **LOGIN** button. The default user name and password both are **admin.** They are case-sensitive.

USER LOGIN
The server 192.168.0.1. requires a username and password.

User Name: admin
Password:
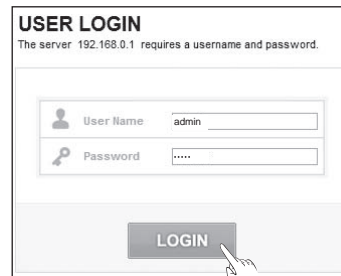
LOGIN

7. The **Easy Setup** interface displays. You can now change the Master's settings.
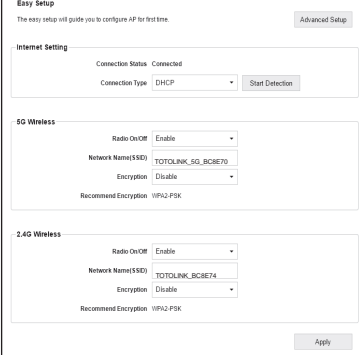
### 2.3. Set up the Master's network

1. Log in to the Master with a browser.
2. Specify the Internet connection.
   a. Before setup, ensure that the Master's **WAN** port is connected to the Ethernet port on a Modem or the wall.
   b. In the **WAN Connection Type** list, select a type such as PPPoE.

Internet Setting
WAN Connection Type: DHCP
Static IP
DHCP
PPPoE
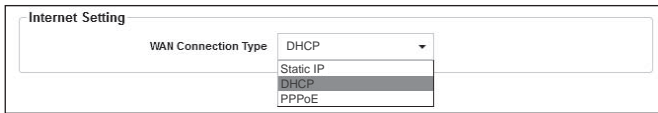
Note:
The following explains three Internet connection types.
● **PPPoE:** ask your Internet service provider (ISP) for your user name and password.
● **DHCP:** This option requires no user action. Your Master works as a DHCP client and is automatically assigned the IP configuration from your ISP.
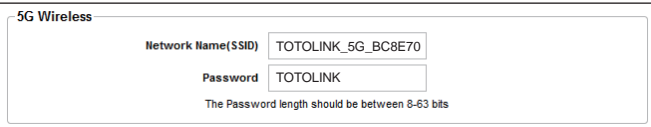● **Static IP:** ask your ISP for the settings such as IP address, Subnet Mask, Default Gateway, and DNS.

   c. Enter the user name and password provided by your ISP.

Internet Setting
WAN Connection Type: PPPoE
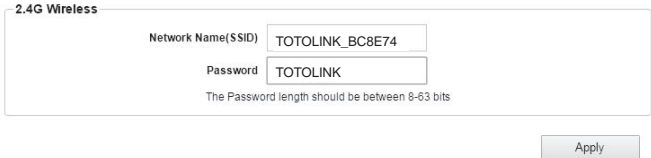User Name: 52808301168163.gd
Password:
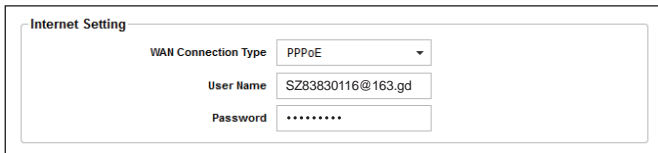
3. Configure the wireless settings in 5G and 2.4G bands.
   In **5G** and **2.4G Wireless** area, set your wireless network names (SSIDs) and passwords.
   ● **Network Name (SSID):** TOTOLINK_5G_XXXXXX (5G by default) and TOTOLINK_XXXXXX (2.4G by default).
   XXXXXX is the last six characters from the Master's MAC address. You can set the SSID manually.
   ● **Password:** Enter the wireless password. The password must contain at least eight letters, numbers, or symbols, but no more than 63 characters.

5G band
5G Wireless
Network Name(SSID): TOTOLINK_5G_BC8E70
Password: TOTOLINK
The Password length should be between 8-63 bits

2.4G band
2.4G Wireless
Network Name(SSID): TOTOLINK_BC8E74
Password: TOTOLINK
The Password length should be between 8-63 bits
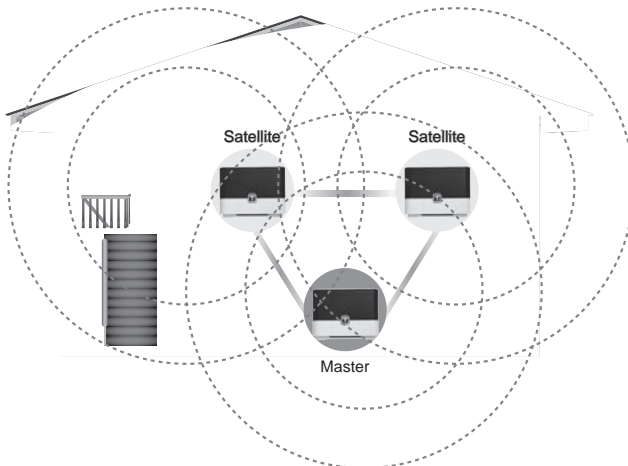
Apply

4. Click the **Apply** button.

5. Please wait while the Master is setting up the network. It may take a minute. If an Internet connection is established successfully, the message **Connection is successful!** appears.Whether it's connected or not, SSID and wireless password are changed when this period of time elapses.
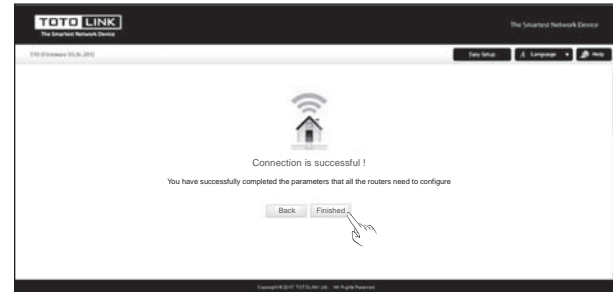
3 Create your whole home Wi-Fi system

This section includes one Master and two Satellites to work together to create a seamless Mesh Wi-Fi network in a two-story house. A maximum of three Satellites can be used to sync to a single Master at the same time.

3.1. Diagram of a Wi-Fi system

Satellite (Original state)
Satellite (Original state)
Internet
Master
Internet access
one meter maximum
one meter maximum
Master
Satellite

3.2. Sync between one Master two Satellites

There are two methods of sync between one Master and two Satellites. One is achieved using the panel T button, the other via the Master's Web interface.

▪ Before sync

1. Connect the Master to the Internet and configure its SSID and password, as described in section "Set up the Master's network".
2. Ensure that these two Satellites are in factory defaults. If not or uncertain, reset them by pressing and holding the panel T button for five seconds.
3. Place all the Satellites near the Master, and ensure that the distance between the Master and Satellite is limited to one meter.
4. Check that all the routers above are applied power.
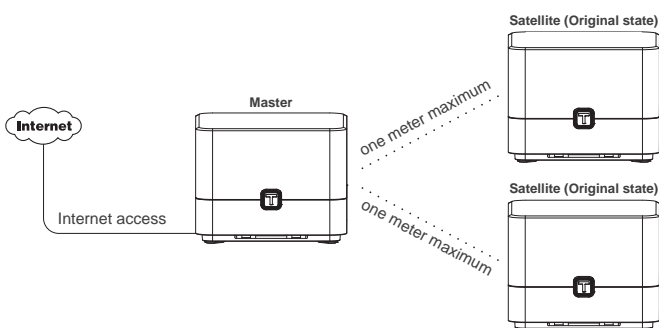
▪ Method 1: Using the panel T button

1. Press and hold the panel T button on the Master for about 3 seconds until its state LED blinks between red and orange.
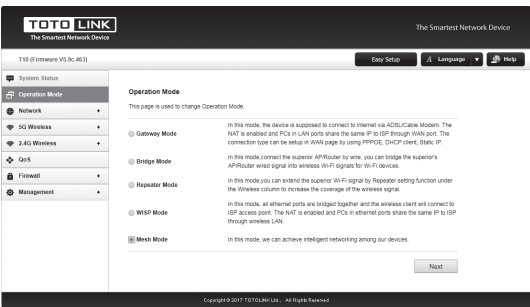
Mesh
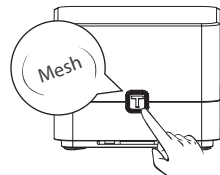
2. Wait until the state LEDs on the two Satellites also blink between red and orange. It may take about 30 seconds.
3. Wait about 1 minute for the state LEDs on the Master to blink green and on the Satellites solid green. In this case, it means the Master is synced to the Satellites successfully.
4. Adjust the position of the three routers. As you move them, check that the state LEDs on the Satellites light solid green or orange until you find a good location.
5. Use your device to find and connect to any router's wireless network with the same SSID and Wi-Fi password that you use for the Master.

Note:
If you want to view which Satellites are synced to the Master on the Master's Web interface, log in to the Master via a web browser, and then go to the **Mesh Networking Information** area by choosing **Advanced Setup > System Status.**

▪ Method 2: Using the router's web interface

1. Log in to the Master via a web browser.
2. Click the **Advanced Setup** button.
3. Choose **Operation Mode > Mesh Mode**, and then click the **Next** button.

4. In the **Mesh** list, select **Enable** to start sync between the Master and the Satellites.
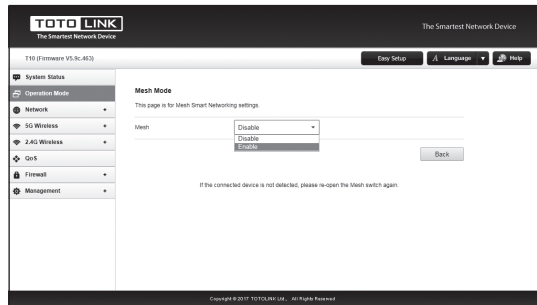
5. Wait about 2 minutes for the sync to finish. The state LEDs run in the same process as mentioned when using the panel T button. During this process, the Master will reboot automatically. Therefore, your computer may be disconnected from the Master and log out of the Master's web interface. You can log in again if you want to see the sync state.
6. Adjust the position of the three routers. As you move them, check that the state LEDs on the Satellites light solid green or orange until you find a good location.
7. Use your device to find and connect to any wireless network with the same Wi-Fi SSID and password that you use for the Master.

4 Troubleshooting

Q1: How can I connect to the router's wireless network for the first time?
A1: Use the Wi-Fi network name (SSID) located on the router label, and no password is required.

Q2: Why cannot the router web's interface appear when I attempt to log in to the router?
A2:
● Try to configure your computer to obtain an automatic IP address from the router. For Windows 7, do this by clicking the Start menu, selecting **Control Panel > Network and Internet > Network and Sharing Center > Change adapter settings**, right-clicking **Local Area Connection** and choosing **Properties > Networking > Internet Protocol Version 4 (TCP/IPv4) > Properties**, and then selecting **Obtain an IP address automatically** radio button.
● Make sure the router's IP address you input is **192.168.0.1.**
● Use another web browser and try again.
● Reboot the router and try again.

Q3: Why cannot I access the Internet when the Master is configured using my ISP settings?
A3:
● Check that the Internet is available. To do this, connect your computer directly to the Internet port on your Modem or the wall, and find out whether your computer can use the connection. If so, check further your router. Otherwise, contact your ISP for support and service.
● Set up the router again by referring to section "Set up the Master's network".
● Reboot your modem and router, and try again.

Q4: Why cannot the Master and Satellite sync successfully?
A4:
● Check that the Satellites are in factory defaults. If not or uncertain, reset them by pressing and holding the panel T button for five seconds.
● Ensure that the distance between the Master and Satellite are limited to one meter.
● Check that all the routers are connected to power sources.
● Make sure that your routers are equipped with the latest firmware. To do this, try to check for updates available by visiting www.totolink.net.

Q5: I wonder if the previous settings on the Satellites such as SSID and wireless password will change when they are synced to the Master.
A5: Multiple settings like SSID and password configured on the Satellites before are changed to configuration parameters on the Master synced. Therefore, use the Master's wireless setup for internet access.

Q6: Do I need to sync a Satellite to the Master again if I reboot it?
A6: No, you don't. The Satellite will automatically attempt to sync to its Master connected earlier when you restart it as long as it's in factory defaults.

Q7: What should I do if I want to add another Satellite to the existing Mesh Wi-Fi system?
A7: You just need to sync your Satellite to the Wi-Fi system rather than sync again all the existing Satellites in the Wi-Fi system. To perform this action, place the Satellite within one meter from the Master, press and hold the panel T button on the Master for about three seconds, and the sync process starts. For more information, see section "Sync between one Master two Satellites".

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.
NOTE: 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.

FCC 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.