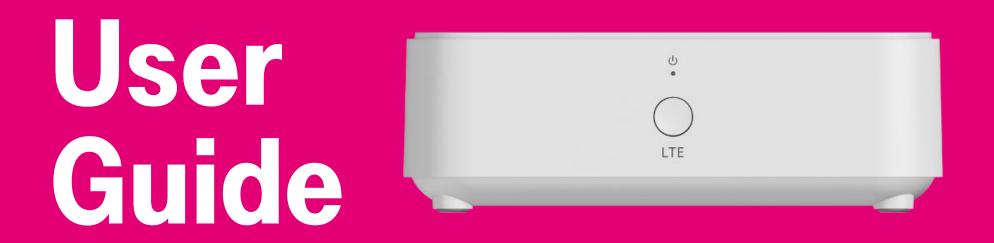
T··Mobile· HOME INTERNET



TM-RTL0102 LTE WiFi Gateway

LTE WIFI GATEWAY Welcome

Your new T-Mobile LTE WiFi Gateway is custom built for fast Wi-Fi with T-Mobile's LTE network that reaches further and faster than ever before. With easy-to-use Parental Controls and data-usage features to manage your family's connectivity—as well as dual-band WiFi with QoS for smooth Web surfing, streaming, gaming and WiFi calling—your wireless T-Mobile experience just got a whole lot better.

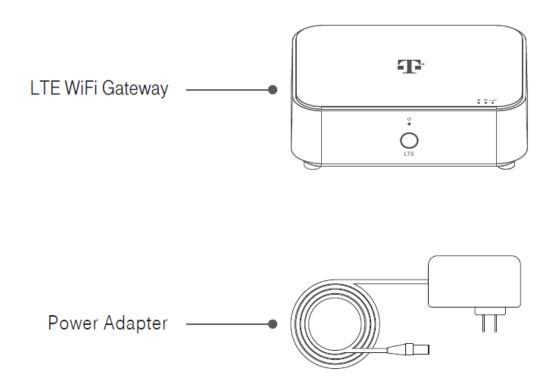
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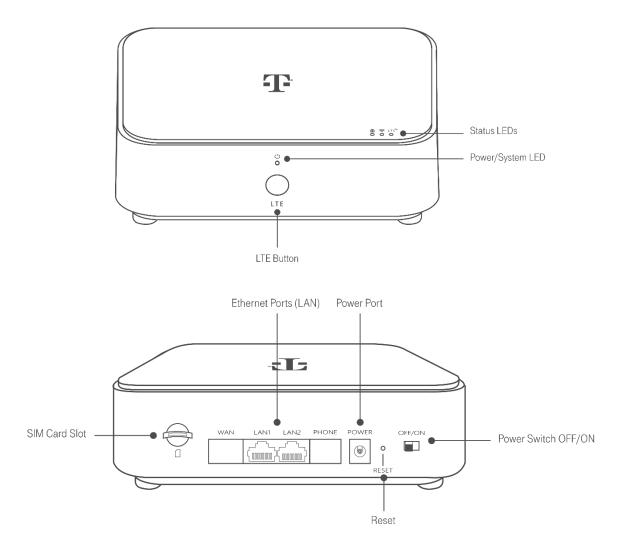
1. What's in the box

Contact T-Mobile if any item is missing or damaged.



2. Getting to know your LTE WiFi Gateway

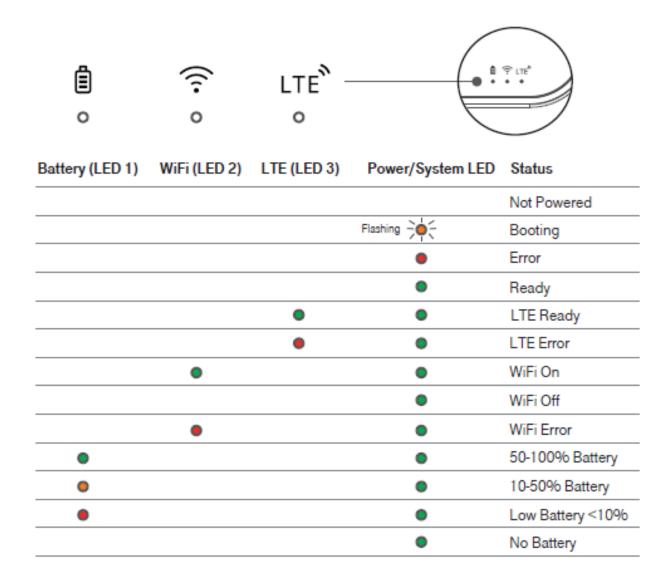
The WiFi gateway includes a battery which can power the WiFi gateway temporarily in case of emergency power loss.



Need help? Visit http://isp.t-mobile.com/support or call T-Mobile customer service at 1-844-275-9310.

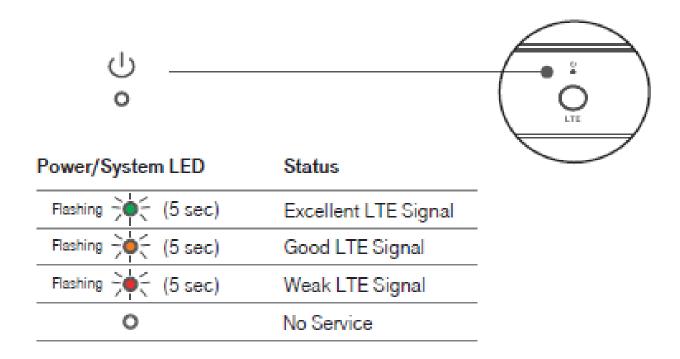
LEDs

The LEDs indicate the WiFi gateway's power, connection and battery status.



LTE Button

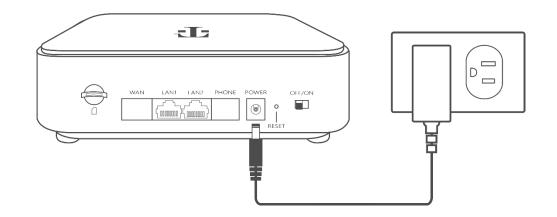
Press the LTE button on the front of the WiFi gateway to display the LTE signal strength.



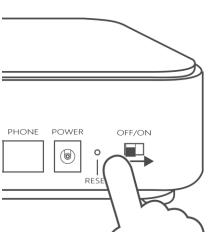
3. Installation

If you are replacing an existing router, disconnect it from your network first.

1. Plug the WiFi gateway into a power outlet using the included power adapter.



2. Switch the WiFi gateway's power switch on, then head to 4. Configure your LTE WiFi Gateway to setup your WiFi security.



3.1 Positioning your WiFi gateway

For the best wireless signal transmission between the WiFi gateway and your network devices:

- Place the WiFi gateway in a central area.
- Keep the WiFi gateway away from metal obstructions and away from direct sunlight.
- Keep the WiFi gateway away from 802.11g or 20MHz only WiFi devices, 2.4GHz computer peripherals, Bluetooth devices, cordless phones, transformers, heavy-duty motors, fluorescent lights, microwave ovens, refrigerators, and other industrial equipment to prevent signal interference or loss.

3.2 Setup requirements

To configure your wireless network via computer, you need a computer that meets the following system requirements:

- Ethernet RJ-45 (LAN) port (10Base-T/100Base-TX/1000BaseTX)
- IEEE 802.11a/b/g/n/ac wireless capability
- An installed TCP/IP service
- Web browser such as Internet Explorer, Firefox, Safari, or Google Chrome

4. Configure your LTE WiFi Gateway

You can configure your WiFi gateway's network settings using the Web User Interface (Web UI) by computer or mobile app. First connect to your WiFi gateway, then access the Web UI, as shown below. Your WiFi gateway is pre-set with the WPA2 security, but you should immediately change the default WiFi password, as well as the Web UI login password.

4.1 Connect by Smartphone

1. On your smartphone, scan available WiFi networks.

Android		IOS	
← Wi-Fi	:	Settings Wi-Fi	
On	ON	Wi-Fi	
TMobileWiFi-2.4GHz	(iii)	CHOOSE A NETWORK	
TMobileWiFi-5GHz	()	TMobileWiFi-2.4GHz	a 🕈 (j)
HP OfficeJet Pro 6960		TMobileWiFi-5GHz	a 🤋 🕕
		HP OfficeJet Pro 6960	s 🕆 🕕

2. Select either of the T-Mobile networks named:

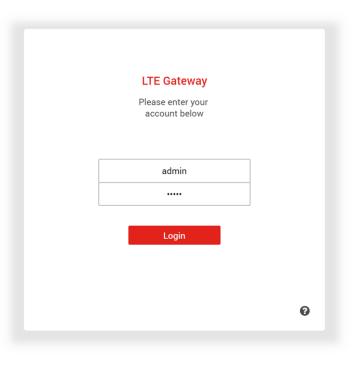
TMobileWiFi-2.4G or TMobileWiFi-5G

3. Enter the unique password found on the white sticker on the back of your WiFi gateway.

Need help? Visit http://isp.t-mobile.com/support or call T-Mobile customer service at 1-844-275-9310.

Login to the Web User Interface

1. Log in using the default username: admin and password: admin



2. Go to Basic > Network > WiFi to change your WiFi password and Expert > Device Settings > Administration to change your Web UI login password, and remember to save your settings.

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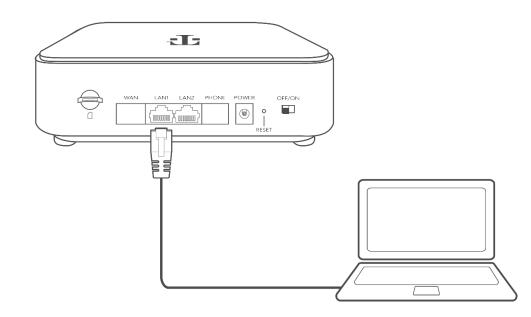
3. Check **5. Basic Settings** and **6. Expert Settings** in this guide for more information.

4.2 Connect by computer

- **4.** On your computer, scan available WiFi networks.
- **5.** Select either of the T-Mobile networks named:

TMobileWiFi-2.4G or TMobileWiFi-5G

- 6. Enter the unique password found on the white sticker on the back of your WiFi gateway.
- 7. If preferred, you can use an Ethernet cable to connect your computer to the WiFi gateway's LAN port for configuration (instead of WiFi).



Login to the Web User Interface

- 1. Open a web browser and enter the WiFi gateway's default address http://192.168.1.1 in the address bar.
- 2. Log in to the Web UI using the default username: admin and password: admin



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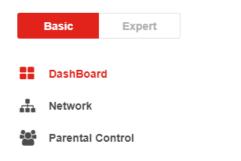
- 3. Go to Basic > Network > WiFi to change your WiFi password and Expert > Device Settings > Administration to change your Web UI login password, and remember to save your settings
- 4. Check 5. Basic Settings and 6. Expert Settings in this guide for more information.

5. Basic Settings

Your WiFi gateway comes with an intuitive Web User Interface (Web UI) that allows you to easily setup its Basic & Expert features.

Menu

Select the **Basic** tab in the menu:



Save

Remember to save your settings with the save button after making changes. The icon takes you back to the Dashboard.

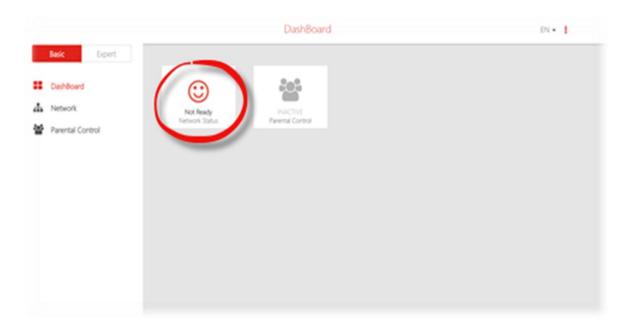




5.1 Dashboard

Basic > Dashboard

The Dashboard shows a snapshot of your network status with quick links to key features of your WiFi gateway.



Select any icon on the dashboard: Network Status, Parental Control to access more information and settings.

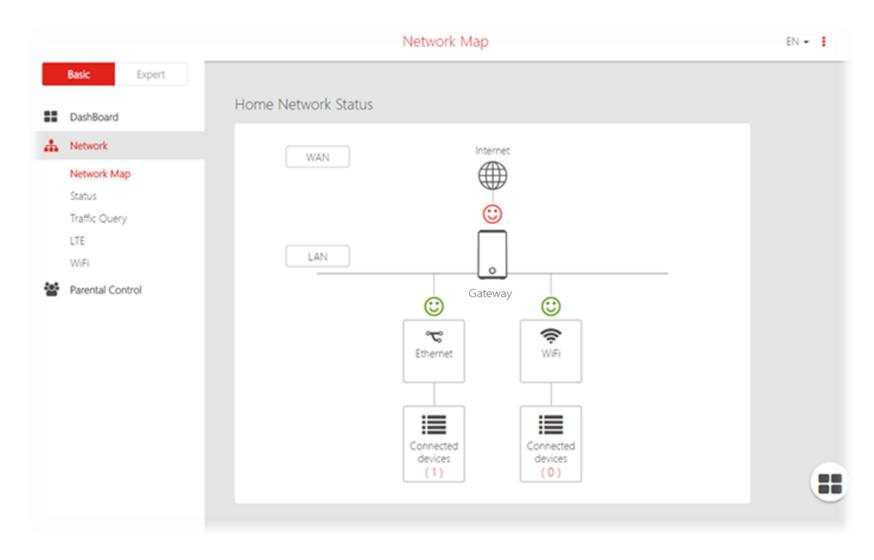
Network Status takes you to Basic > Network > Status Parental Control takes you to Basic > Network > Parental Control

Network Status should display **All OK** to indicate a functioning LTE network. If you don't see this, check the WiFi gateway's LEDs and refer to Troubleshooting to diagnose the problem.

5.2 Network

Basic > Network

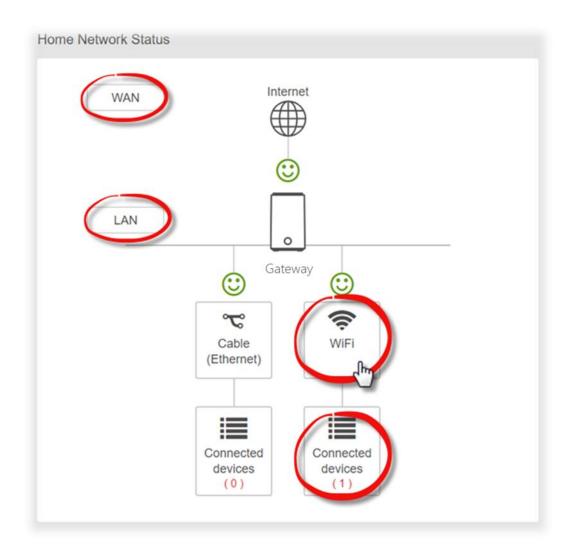
The **Network** menu provides quick links to the basic networking functions of your WiFi gateway. When you select the **Network** menu, the **Network Map** page is displayed as below.



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Network Map Basic > Network > Network Map

The network map provides a visual overview and status information of the network and devices on the network, with quick links to wireless security settings and client lists. It's important to check and configure security settings.



Select icons on the dashboard for more information and settings, as displayed below:

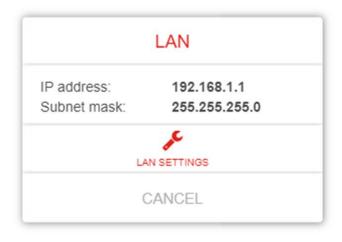
WAN

Displays the WiFi gateway's Wide Area Network (WAN) IP Address and Connection Type (LTE).

١	WAN
IP address: Connection type:	10.130.23.116 LTE
WAN	SETTINGS
C/	ANCEL

LAN

Displays the WiFi gateway's Local Area Network (LAN) IP Address and Subnet Mask. Click LAN Settings to modify the settings.



LAN > LAN Settings

This page allows you to configure your WiFi gateway on your Local Area Network (LAN). You can specify a static IP address for your WiFi gateway, and configure your WiFi gateway as a DHCP server to assign IP addresses to other devices on your LAN.

Manage LAN Settings	
✓ Basic	
MAC Address B4/EE/84/EA/2D/86	
IP Address 192.168.1.1	
Subnet Mask 255.255.0 🗸	
✓ Advanced	
DHCPS is active	
IP Address Pool 192.168.1. 100 - 150	
Address Lease Time 24 Hours	
Primary DNS (Optional)	
Secondary DNS (Optional)	
	MAC Address B4EE:B4EA:2D.86 IP Address 192:168.1.1 Subnet Mask 255.255.255.0 Advanced DHCPS is active IP Address Pool 192:168.1. 100 - 150 Address Lease Time 24 Primary DNS (Optional) Secondary DNS

Basic	
MAC Address	Displays the MAC address of your WiFi gateway. A MAC Address is a unique fixed identifier for any device on a network.
IP Address	Specify the IP address here. This IP address will be



	assigned to your WiFi gateway and will replace the default IP address.
Subnet Mask	Specify a subnet mask. The default value is 255.255.255.0

Advanced	
DHCP is active/inactive	Toggle the switch to enable or disable DHCP server.
IP Address Pool	Enter the start and end IP address of the IP address range which your WiFi gateway's DHCP server will assign to devices on the network.
Address Lease Time	Enter an address lease time in hours. IP addresses will be assigned for this period of time before being reassigned.
Primary DNS Address	Enter a primary DNS address.
Secondary DNS Address	Enter a secondary DNS address.

WiFi

Displays your WiFi gateway's 2.4GHz & 5GHz network name (SSID) with switches to quickly enable or disable either WiFi network. Click WiFi Settings to go to Network > WiFi Settings.

WiFi		
2.4 GHz WiFi Network Name:	TMobileWiFi-2.4GHz	
2.4 GHz WiFi is activ	re	
5 GHz WiFi Network Name:	TMobileWiFi-5GHz	
5 GHz WiFi is active		
WIFI S	ETTINGS	
CAI	NCEL	

Connected Devices

Displays all devices (clients) connected to your WiFi gateway, by Ethernet (LAN) or WiFi (wireless) e.g. laptops, smartphones. The device name, MAC address and IP address is listed for each device.





Status

Basic > Network > Status

Network Status displays the status of the network across six categories: Internet v4, Internet v6, LTE, LAN, Wireless & System Information.

Information is listed in Network Status for reference as described below:

Internet v4

Displays IPv4 Wide Area Network WAN information about your WiFi gateway's LTE connection. IPv4 is the default Internet protocol widely used across the Internet.

Internet v6

Displays IPv6 Wide Area Network WAN information about your WiFi gateway's LTE connection. IPv6 is an alternative Internet protocol which is not yet widely supported. To setup IPv6 go to **Basic > Network > LTE**. Contact T-Mobile for more information about using IPv6.

LTE

Displays LTE information including signal strength. To edit LTE settings go to **Basic > Network > LTE**.

LAN

Displays the WiFi gateway's Local Area Network (LAN) information including MAC Address, IP Address and Subnet Mask, and DHCP Server status. To edit LAN settings go to **Expert > Network > LAN**.

Inform	nation	
~	Internet (v4)	
	IP Address	10.92.148.170
	Subnet Mask	255.255.255.252
	Default Gateway	10.92.148.169
	Primary DNS	61.31.233.1
	Secondary DNS	168.95.1.1
	Connection Type	LTE - Connected
^	Internet (v6)	
^	LTE	
^	LAN	
^	Wireless 2.4G	
^	Wireless 5G	
^	System Information	



Wireless 2.4GHz & 5GHz

Displays your WiFi gateway's WiFi information for both 2.4GHz & 5GHz frequencies. Includes network name (SSID) and radio & channel information. To edit these WiFi settings go to Expert > Network > WiFi Settings.

System Information

Displays system identifiers unique to your hardware.



Traffic Query

Basic > Network > Network Map

Traffic Query displays your network data usage, with upload, download and total traffic displayed in MB. Ensure that your WiFi gateway's date and time settings are correct in **Expert > Device Settings > Date & Time** for accurate Monthly usage information.

Manag	ge Traffic Settings	
~	Monthly usage	
	Upload	6.38MB
	Download	196.14MB
	Total Traffic	202.52MB
~	Currently usage	
	Query Range	2018-08-17 to 2018-09-04
	Upload	15.66MB
	Download	292.53MB
	Total Traffic	308.19MB



LTE Basic > Network > LTE

LTE settings are pre-configured by default. You can disconnect the LTE connection using the Disconnect button if needed, and the connection and SIM status are displayed accordingly.

Mana	vlanage LTE Settings		
*	LTE Status		
	Internet Status	Disconnected	
	SIM Status	Not exist	
~	Dial-up Settings		
	Data Roaming is inactive		
	Airplane Mode is inactive		
	Profile Name	T-Mobile 🗸	
	APN	fast.t-mobile.com	
	Username		
	Password		
	Authentication Type	None	
	PDN Type	IPv6 🗸	
~	SIM Management 🚯		
	PIN Protected Disable		

Data Roaming, APN and **PDN** settings may ONLY be changed when directed to do so by T-Mobile customer support. You can also setup a PIN to use the LTE data connection



WiFi

Basic > Network > WiFi

The **WiFi** screen displays the basic settings for your WiFi gateway's WiFi. Your WiFi gateway is dual-band and uses two Wi-Fi frequencies (2.4GHz & 5GHz) for better wireless performance on your devices. You can edit basic settings for 2.4GHz or 5GHz frequency bands by selecting the respective tab.

Manag	ge Wireless Settings	
2.4 GH	Z 5 GHZ	
~	2.4 GHz WiFi Settings	
	2.4 GHz WiFi is active	
	Wireless Name(SSID)	TMobileWiFi-2.4GHz Hide SSID
	Wireless Password	Show Password

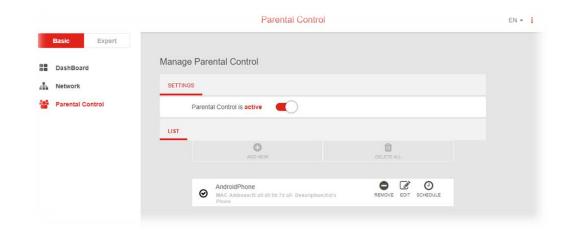
2.4 / 5 GHz WiFi Settings		
WiFi is	Enable or disable this WiFi frequency.	
active/inactive		
Wireless Name	This is the name of your Wi-Fi network for identification, also	
(SSID)	sometimes referred to as "SSID". The SSID can consist of	
	any combination of up to 32 alphanumerical characters.	
Hide SSID	Check the box to hide your SSID. When hidden, the SSID	
	will not be visible as an available Wi-Fi network to clients –	
	clients must manually enter the SSID in order to connect. A	
	hidden SSID is typically more secure than a visible SSID.	
Wireless	Enter your WiFi password. A complex, hard-to-guess key is	
Password	recommended.	



5.3 Parental Control

Basic > Parental Control

The **Parental Control** feature allows you to restrict Internet access to selected devices on your network at specified times e.g. disabling Internet access for a child's smartphone.

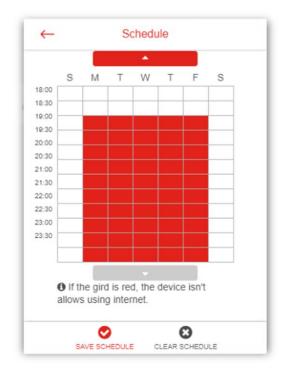


- 1. Set the slider to active to enable parental control.
- 2. Click ADD NEW to add and setup a new device for parental controls.
- **3.** Select a device from the Client menu or enter the MAC address manually.
- **4.** Specify a Device Name and Description for the device easy reference.
- 5. Check the ENABLE THIS ENTRY box and click apply to save the device.

ENABLE THIS ENTRY	
Manually	~
MAC ADDRESS	
00:0a:95:9d:68:16	
DEVICE NAME	
DeviceName	
DESCRIPTION	
Description	



- 6. Click the SCHEDULE icon beside the new device to setup the schedule for Internet access:
- 7. Click and drag to fill in the red blocks on the schedule by day and hour. The red blocks indicate the time blocks during which Internet access is not allowed.
- 8. Click SAVE SCHEDULE to save the schedule and the device's Internet access will now be restricted according to the schedule.





6. Expert Settings

Your WiFi gateway comes with an intuitive Web User Interface (Web UI) that allows you to easily setup its Basic & Expert features.

Menu

Select the **Expert** tab in the menu: Expert Basic == DashBoard ÷. Network SMS \sim NAT Forwarding ~ ÷0; Parental Control 6 Diagnostic Security Services **Device Settings** Ð

A Quality of Service

Save

Remember to save your settings with the save button after making changes. The icon takes you back to the Dashboard.



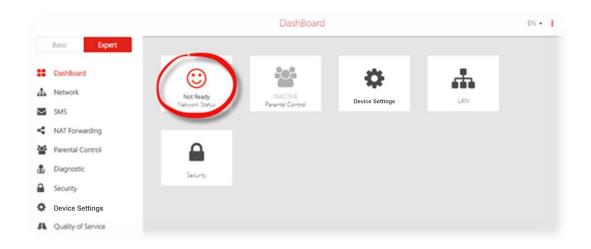
Need help? Visit http://isp.t-mobile.com/support or call T-Mobile customer service at 1-844-275-9310.



6.1 Dashboard

Expert > Dashboard

The Dashboard shows a snapshot of your network status with quick links to key features of your WiFi gateway.



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Select any icon on the dashboard: Network Status, Parental Control, Device Settings, LAN, & Security to access more information and settings.

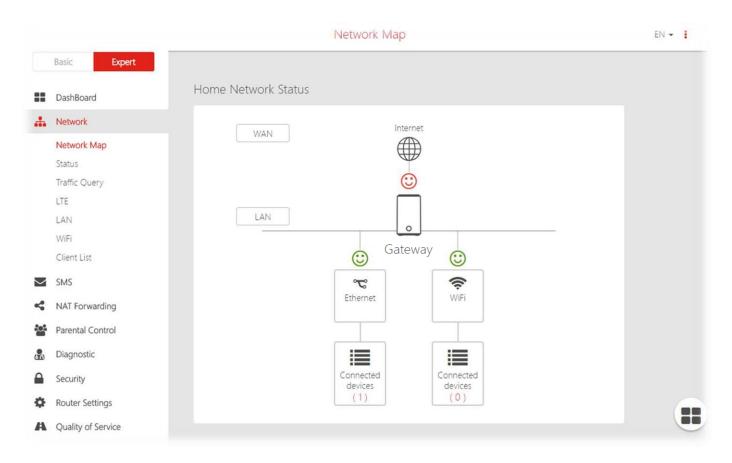
Network Status takes you to Expert > Network > Status Parental Control takes you to Expert > Network > Parental Control Device Settings takes you to Expert > Network > Device Settings > Administration LAN takes you to Expert > Network > LAN Security takes you to Expert > Security > Firewall

Network Status should display **All OK** to indicate a functioning LTE network. If you don't see this, check the WiFi gateway's LEDs and refer to Troubleshooting to diagnose the problem.

6.2 Network

Expert > Network

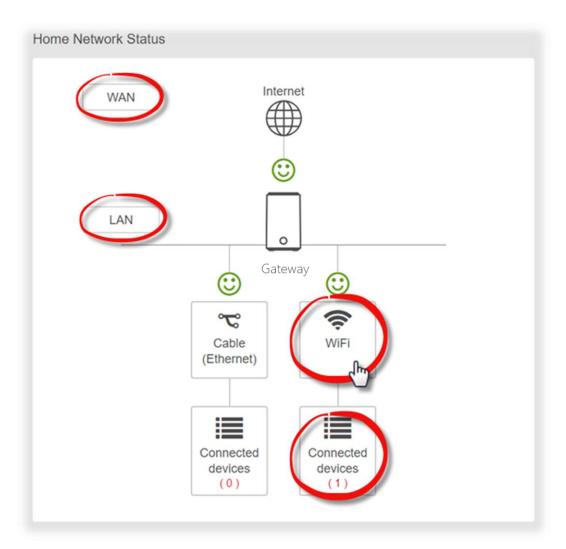
The Network menu provides quick links to the basic networking functions of your WiFi gateway. When you select the Network menu, the Network Map page is displayed as below.





Network Map Expert > Network > Network Map

The network map provides a visual overview and status information of the network and devices on the network, with quick links to wireless security settings and client lists. It's important to check and configure security settings.





Select icons on the dashboard for more information and settings, as displayed below:

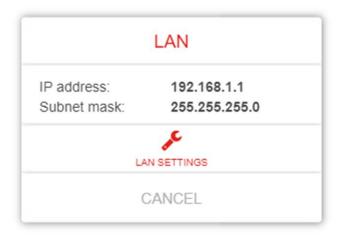
WAN

Displays the WiFi gateway's Wide Area Network (WAN) IP Address and Connection Type (LTE).

١	WAN
IP address: Connection type:	10.130.23.116 LTE
WAN	SETTINGS
C/	ANCEL

LAN

Displays the WiFi gateway's Local Area Network (LAN) IP Address and Subnet Mask. Click LAN Settings to modify the settings.





LAN > LAN Settings

This page allows you to configure your WiFi gateway on your Local Area Network (LAN). You can specify a static IP address for your WiFi gateway, and configure your WiFi gateway as a DHCP server to assign IP addresses to other devices on your LAN.

				LAN	EN 🗕 🚦
	Basic Expert	Mana	ge LAN Settings		
::	DashBoard	~	Basic		
*	Network		MAC Address	B4:EE:B4:EA:2D:86	
	Network Map Status		IP Address	192.168.1.1	
	Traffic Query LTE		Subnet Mask	255.255.255.0	
	LAN	~	Advanced		
	WiFi		DHCPS is active		
	Client List			\sim	
\sim	SMS		IP Address Pool	192.168.1. 100 - 150	
4	NAT Forwarding		Address Lease Time	24 Hours	
:e:	Parental Control			0	
	Diagnostic		Primary DNS		
	Security			(Optional)	
ф	Device Settings		Secondary DNS	(Optional)	
А	Quality of Service				

Basic	
MAC Address	Displays the MAC address of your WiFi gateway. A MAC Address is a unique fixed identifier for any device on a network.
IP Address	Specify the IP address here. This IP address will be

	assigned to your WiFi gateway and will replace the default IP address.
Subnet Mask	Specify a subnet mask. The default value is 255.255.255.0

Advanced		
DHCP is active/inactive	Toggle the switch to enable or disable DHCP server.	
IP Address Pool	Enter the start and end IP address of the IP address range	
	which your WiFi gateway's DHCP server will assign to	
	devices on the network.	
Address Lease Time	Enter an address lease time in hours. IP addresses will be	
	assigned for this period of time before being reassigned.	
Primary DNS Address	Enter a primary DNS address.	
Secondary DNS Address	Enter a secondary DNS address.	



WiFi

Displays your WiFi gateway's 2.4GHz & 5GHz network name (SSID) with switches to quickly enable or disable either WiFi network. Click WiFi Settings to go to Network > WiFi Settings.

WiFi

2.4 GHz WiFi Network Name:	TMobileWiFi-2.4GHz
2.4 GHz WiFi is acti	ve
5 GHz WiFi Network Name:	TMobileWiFi-5GHz
5 GHz WiFi is active	
WIFI	settings
CA	NCEL

Connected Devices

Displays all devices (clients) connected to your WiFi gateway, by Ethernet (LAN) or WiFi (wireless) e.g. laptops, smartphones. The device name, MAC address and IP address is listed for each device.

Client I	t
LAN	WIRELESS
	KD MAC Address:80:1f:02:9c:8f:ff- IP Address:192.168.1.121



Status

Expert > Network > Status

Network Status displays the status of the network across six categories: Internet v4, Internet v6, LTE, LAN, Wireless & System Information.

Information is listed in Network Status for reference as described below:

Internet v4

Displays IPv4 Wide Area Network WAN information about your WiFi gateway's LTE connection. IPv4 is the default Internet protocol widely used across the Internet.

Internet v6

Displays IPv6 Wide Area Network WAN information about your WiFi gateway's LTE connection. IPv6 is an alternative Internet protocol which is not yet widely supported. To setup IPv6 go to **Expert > Network > LTE**. Contact T-Mobile for more information about using IPv6.

LTE

Displays LTE information including signal strength. To edit LTE settings go to Expert > Network > LTE.

LAN

Displays the WiFi gateway's Local Area Network (LAN) information including MAC Address, IP Address and Subnet Mask, and DHCP Server status. To edit LAN settings go **to Expert > Network > LAN**.

Information		
~	Internet (v4)	
	IP Address	10.92.148.170
	Subnet Mask	255.255.255.252
	Default Gateway	10.92.148.169
	Primary DNS	61.31.233.1
	Secondary DNS	168.95.1.1
	Connection Type	LTE - Connected
^	Internet (v6)	
^	LTE	
^	LAN	
^	Wireless 2.4G	
^	Wireless 5G	
^	System Information	



Wireless 2.4GHz & 5GHz

Displays your WiFi gateway's WiFi information for both 2.4GHz & 5GHz frequencies. Includes network name (SSID) and radio & channel information. To edit these WiFi settings go to Expert > Network > WiFi Settings.

System Information

Displays system identifiers unique to your hardware.



Traffic Query Expert > Network > Network Map

Traffic Query displays your network data usage, with upload, download and total traffic displayed in MB. Ensure that your WiFi gateway's date and time settings are correct in **Expert > Device Settings > Date & Time** for accurate Monthly usage information.

~	Monthly usage		
	Upload	6.38MB	
	Download	196.14MB	
	Total Traffic	202.52MB	
~	Currently usage		
	Query Range	2018-08-17 to 2018-09-04	
	Upload	15.66MB	
	Download	292.53MB	
	Total Traffic	308.19MB	



LTE Expert > Network > LTE

LTE settings are pre-configured by default. You can disconnect the LTE connection using the Disconnect button if needed, and the connection and SIM status are displayed accordingly.

Mana	ge LTE Settings	
~	LTE Status	
	Internet Status	Disconnected
	SIM Status	Not exist
*	Dial-up Settings	
	Data Roaming is inactive	
	Airplane Mode is inactive	
	Profile Name	T-Mobile 💙
	APN	fast.t-mobile.com
	Username	
	Password	
	Authentication Type	None
	PDN Type	IPv6
~	SIM Management 🚯	
	PIN Protected Disable	

Data Roaming, APN and **PDN** settings may ONLY be changed when directed to do so by T-Mobile customer support. You can also setup a PIN to use the LTE data connection:

Need help? Visit http://isp.t-mobile.com/support or call T-Mobile customer service at 1-844-275-9310.



~	PIN Management 📵	
	PIN Management is active	
	PIN	•
	PIN Lock is active	

- 1. Click the PIN Management switch on and see that Pin Management is now active.
- **2.** Enter a 4 digit PIN in the range 0000-9999.
- **3.** Choose to switch on Pin Lock or not. When active, if an incorrect PIN is entered 3 times the SIM Card will be locked.



LAN Export > Notwork >

Expert > Network > LAN

The LAN page allows you to configure your WiFi gateway on your Local Area Network (LAN). You can specify a static IP address for your WiFi gateway, and configure your WiFi gateway as a DHCP server to assign IP addresses to other devices on your LAN.

		LAN	EN 👻 🚦
	Basic Expert	Manage LAN Settings	
	DashBoard	✓ Basic	
h	Network	MAC Address B4:EE:B4:EA:2D:B6	
	Network Map Status	IP Address 192.168.1.1	
	Traffic Query LTE	Subnet Mask 255.255.255.0 👻	
	LAN	✓ Advanced	
	WiFi	DHCPS is active	
	Client List		
/	SMS	IP Address Pool 192.168.1. 100 - 150	
	NAT Forwarding	Address Lease Time 24 Hours	
÷	Parental Control	0	
	Diagnostic	Primary DNS	
1	Security	(Optional)	
\$	Device Settings	Secondary DNS (Optional)	
4	Quality of Service		

Basic	
MAC Address	Displays the MAC address of your WiFi gateway. A MAC address is a unique fixed identifier for every device on a network.



IP Address	Specify the IP address here. This IP address will be assigned to your WiFi gateway and will replace the default IP address.
Subnet Mask	Specify a subnet mask. The default value is 255.255.255.0

Advanced		
DHCP is active/inactive	Toggle the switch to enable or disable DHCP server.	
IP Address Pool	Enter the start and end IP address of the IP address range which your WiFi gateway's DHCP server will assign to	
	devices on the network.	
Address Lease Time	Enter an address lease time in hours. IP addresses will be	
	assigned for this period of time before being reassigned.	
Primary DNS Address	Enter a primary DNS address.	
Secondary DNS Address	Enter a secondary DNS address.	



WiFi

Expert > Network > WiFi

The **WiFi** screen displays advanced settings for your WiFi gateway's WiFi. Your WiFi gateway is dual-band and uses two Wi-Fi frequencies 2.4GHz & 5GHz) for better wireless performance on your devices. You can edit advanced settings for 2.4GHz or 5GHz frequency bands by selecting the respective tab.

2.4 GI	HZ 5 GHZ	
~	2.4 GHz WiFi Settings	
	2.4 GHz WiFi is active	
	Wireless Name(SSID)	TMobileWiFi-2.4GHz Hide SSID
	Wireless Password	Show Password
	Security	WPA/WPA2-Person
	Version	Mixed WPA/WPA2 WPA2
	Encryption	AES
~	2.4 GHz WiFi Channel Se	ttings
	Mode	802.11g/n mixed 🖌
	Channel	Auto 🗸
	Channel Bandwidth	Auto



2.4 / 5 GHz WiFi Settings	
WiFi is active/inactive	Enable or disable this WiFi frequency.
Wireless Name (SSID)	This is the name of your Wi-Fi network for identification, also
	sometimes referred to as "SSID". The SSID can consist of
	any combination of up to 32 alphanumerical characters.
Hide SSID	Check the box to hide your SSID. When hidden, the SSID
	will not be visible as an available Wi-Fi network to clients –
	clients must manually enter the SSID in order to connect. A
	hidden SSID is typically more secure than a visible SSID.
Wireless Password	Enter your WiFi password. A complex, hard-to-guess key is
	recommended.
Security	Select a WiFi security type from the drop-down menu.
	WPA/WPA2 is the default setting and the most secure.
	Security can be disabled by selecting None but this is not
	recommended.
Version	Select which version of security type to use. WPA2 is the
	most secure but not supported by all wireless clients.
	Selecting Mixed WPA/WPA2 ensures wireless client
	compatibility.
Encryption	Displays encryption type according to version. AES
	encryption is the default setting for WPA2, while Mixed
	TKIP+AES is default for Mixed WPA/WPA2.

2.4 / 5 GHz Channel Setting	js
Mode	Select the wireless standard used for the WiFi gateway's WiFi. 802.11b/g mixed means 802.11b and 802.11g wireless clients can connect to the WiFi gateway, 802.11g/n



	mixed means 802.11g and 802.11n wireless clients can
	connect to the WiFi gateway.
Channel	Select a wireless radio channel or use the default "Auto"
	setting from the drop-down menu. Changing radio channel
	can improve WiFi signal depending on how crowded the
	channel is with other radio signals and interference.
Channel Bandwidth	Set the channel bandwidth: 20MHz (lower performance but
	less interference), 40MHz (better performance but likely
	more interference), or Auto (automatically select based on
	interference level).



Client List

Expert > Network > Client List

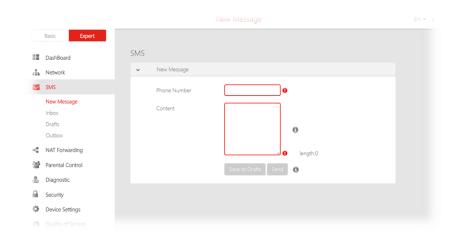
Displays all devices (clients) connected to your WiFi gateway, by Ethernet (LAN) or WiFi (wireless) e.g. laptops, smartphones. The device name, MAC address and IP address is listed for each device.



6.3 SMS

Expert > SMS

Your WiFi gateway has an **SMS** feature according to your SIM card's data plan, with send, receive and draft functions that work the same way as SMS on a smartphone.





New Message Expert > SMS > New Message

Compose new messages and send or save as a draft. Enter the recipient phone number correctly. Maximum 500 characters per SMS.

Inbox

Expert > SMS > Inbox

Displays all SMS received to the number associated with your LTE SIM card. Select any message and click the trash icon to delete.

Drafts

Expert > SMS > Drafts

Any SMS saved as Drafts will be displayed here. Select a message to remove, or edit and then send. Drafts capacity is limited to 100 messages after which new messages will be unable to save as drafts.

Outbox

Expert > SMS > Outbox

After sending, messages may go to the Outbox during sending until the message is sent. Outbox capacity is limited to 100 messages after which new messages will be unable to send.

v Message ne Number tent			
tent			
			0
		11	length:0
	Save to Drafts		
		Save to Drafts	



6.4 NAT Forwarding

Expert > NAT Forwarding

Functions in the Network Address Translation (NAT) Forwarding menu can improve network performance and security.

				DMZ	EN 👻 🚦
	Basic Expert				
	DashBoard	Mana	ge DMZ Settings		
#	Network	~	DMZ		
\geq	SMS		DMZ is inactive		
4	NAT Forwarding		DMZ Host IP Address	•	
	DMZ			`	
	UPnP				
	ALG				
	Virtual Servers				
	Parental Control				
.	Diagnostic				
	Security				
Ф	Device Settings				
A	Quality of Service				



DMZ

Expert > NAT Forwarding > DMZ

A Demilitarized Zone (DMZ) is an isolated area in your local network where a computer runs outside the firewall and receives/intercepts all incoming Internet traffic. This can provide an extra layer of security to the rest of the network, or can be useful if a network client PC cannot run an application properly from behind an NAT firewall. However since it opens the client up to unrestricted two-way access this computer is vulnerable. DMZ should be configured only by expert network users aware of the security risks.

Manag	e DMZ Settings	
~	DMZ	
	DMZ is active	
	DMZ Host IP Address	

- **1.** Use the switch to set DMZ to **active**.
- 2. Enter the IP Address of the computer to provide the DMZ service (ensure this computer is using a Static IP Address)



UPnP

Expert > NAT Forwarding > UPnP

Universal plug-and-play (UPnP) is a set of networking protocols which enables network devices to communicate and automatically establish working configurations with each other, such as computers, printers, mobile devices etc.

It's typically used for data sharing, communications and entertainment purposes, although sometimes not preferred due to security concerns. Some devices may require UPnP to be enabled to function properly. Use the switch to set UPnP to active or inactive, according to your requirements.

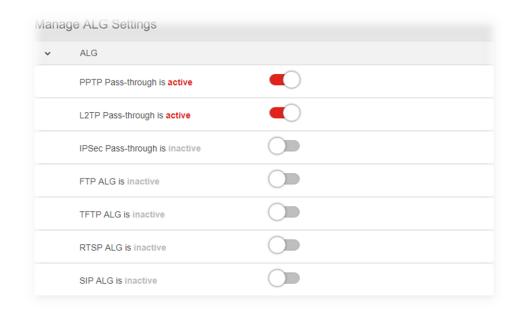


ALG

Expert > NAT Forwarding > ALG

Application Level Gateway (ALG) settings are advanced functions that can resolve issues where services are disrupted by the firewall. Each ALG module is a security component that augments the firewall. Services such as VPNs or Virtual Servers may require ALG modules enabled. By default all ALG modules are inactive. Use the switches to enable any ALG module required. ALG Settings are recommended for expert users only.

SIP ALG may disrupt WiFi calling for cellphones connected to the network.



Manage ALG Settings	
PPTP Passthrough	Point-to-Point Tunneling Protocol (PPTP) is a module for
	implementing virtual private networks.
L2TP Passthrough	Layer 2 Tunneling Protocol (L2TP) is a tunneling protocol
	used to support virtual private networks (VPNs) or as part of
	the delivery of services by ISPs.
IPSec Passthrough	Internet Protocol Security (IPsec) is a protocol suite for
	securing Internet Protocol (IP) communications by
	authenticating and encrypting each IP packet of a
	communication session.
FTP ALG	File Transfer Protocol is a widely and commonly used
	method of exchanging files over IP networks. The FTP ALG



	monitors PORT, PASV, and 227 commands. It performs NAT
	on the IP, port, or both in the message and gate opening on
	the device as necessary
TFTP ALG	Trivial File Transfer Protocol (TFTP) is a simple protocol used
	for files transfer (RFC 1350). TFTP is implemented on top of
	UDP, with destination port 69 as the well-known port. The
	TFTP Application Layer Gateway (ALG) processes TFTP
	packets that initiate the request.
RTSP ALG	The Real Time Streaming Protocol (RTSP) is a network
	control protocol designed for use in entertainment and
	communications systems to control streaming media
	servers.
SIP ALG	The Session Initiation Protocol (SIP) is a communications
	protocol for signaling and controlling multimedia
	communication sessions. The most common applications
	of SIP are in Internet telephony for voice and video calls, as
	well as instant messaging all over Internet Protocol (IP)
	networks.
RTSP ALG	for files transfer <i>(RFC 1350)</i> . TFTP is implemented on top of UDP, with destination port 69 as the well-known port. The TFTP Application Layer Gateway (ALG) processes TFTP packets that initiate the request. The Real Time Streaming Protocol (RTSP) is a network control protocol designed for use in entertainment and communications systems to control streaming media servers. The Session Initiation Protocol (SIP) is a communications protocol for signaling and controlling multimedia communications servers. The most common applications of SIP are in Internet telephony for voice and video calls, as well as instant messaging all over Internet Protocol (IP)

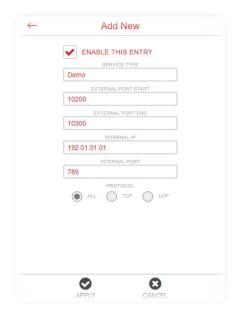


Virtual Servers Expert > NAT Forwarding > Virtual Servers

This function allows you to set up an internet service on a local computer, without exposing the local computer to the internet. Internet traffic is directed to a specific port or range of ports on a device or devices on your local network. You can also build various sets of port redirection, to provide various internet services on different local computers via a single Internet IP address. It also allows PCs outside the network to access services provided by a computer in the local network.

1. Click ADD NEW and enter the parameters to setup a virtual server:

irtual Serve	rs			
VIRTUAL SERVER	35			
	ADD NEW		DELETE ALL	
Ø	Demo External Port:10200-10300- Internal IP:192.0 Internal Port:789- Protocol:All	01.01.01	REMOVE	EDIT





Service Type	Specify the service type e.g. HTTP, FTP etc.
External Port Start	Specify the external/public port to access the computer
	on your local network.
External Port End	Select the type of Internet Protocol.
Internal IP	Enter the IP address of the computer on your local
	network.
Internal Port	Specify the internal/private port you wish to use on the
	computer in your local network.
Protocol	Select the connection protocol: TCP, UDP or All.

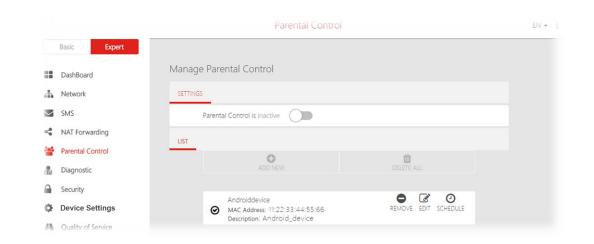
2. Check ENABLE THIS ENTRY and click APPLY to save and enable the settings for your virtual server. You can remove or edit any Virtual Server entry using the icons.



6.5 Parental Control

Expert > Parental Control

The **Parental Control** feature allows you to restrict Internet access to selected devices on your network at specified times e.g. disabling Internet access for a child's smartphone.

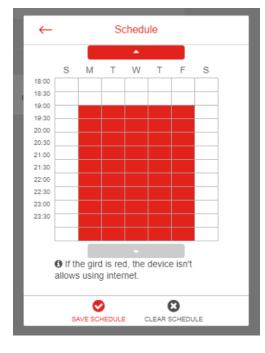


- 1. Set the slider to active to enable parental control.
- 2. Click ADD NEW to add and setup a new device for parental controls.
- **3.** Select a device from the Client menu or enter the MAC address manually.
- **4.** Specify a Device Name and enter a Description of the device for easy reference.
- 5. Check the ENABLE THIS ENTRY box and click apply to save the device.
- 6. Click the SCHEDULE icon beside the new device to setup the schedule for Internet access:

	ENABLE THIS ENTRY
	MAC ADDRESS
00	0:0a:95:9d:68:16
_	DEVICE NAME
D	eviceName
_	DESCRIPTION
D	escription



- 7. Click and drag to fill in the red blocks on the schedule by day and hour. The red blocks indicate the time blocks during which Internet access is not allowed.
- 8. Click SAVE SCHEDULE to save the schedule and the device's Internet access will now be restricted according to the schedule.





6.6 Diagnostic

Expert > Diagnostic

You can run **Ping & Traceroute diagnostic** tests with the WiFi gateway. Enter the IP address to use for the test and click Start, results are displayed in the box.

nag	ge Diagnostic Setting						
	Ping & Traceroute						
	Diagnostic Tool	Ping	Trace	route			
	IP Address/Domain Name	8.8.8.8		Start			
	Results PING 8.8.8.8 (8.8.8.8) 56(64 bytes from 8.8.8.8: icm 64 bytes from 8.8.8.8: icm 64 bytes from 8.8.8.8: icm 8.8.8.8 ping statistics 3 packets transmitted, 3 re 2004ms	p_req=1 t p_req=2 t p_req=3 t eceived, 0	ttl=119 time= ttl=119 time= ttl=119 time=)% packet lo:	:497 ms :250 ms ss, time			
	rtt min/avg/max/mdev = 2	1.113/256	.327/497.00	0/194.318	ms //		



6.7 Security

Expert > Security

Use the **Security** menu to configure various security functions if needed, including Firewall, IP/MAC Binding and Access Control.

			Firewall	EN 🛩 🚦
	Basic Expert			
==	DashBoard	Manage Firewall Set	tings	
.	Network	✓ Firewall		
\geq	SMS	SPI Firewall is <mark>acti</mark>	ve	
<	NAT Forwarding	DoS Protection is	active	
50 5	Parental Control	WAN Block Ping i	s inactive	
"	Diagnostic	LAN Block Ping is	inactive	
	Security		Ŭ	
	Firewall			
	IP / MAC binding			
	Access Control			
Ф	Device Settings			
A	Quality of Service			



Firewall

Expert > Security > Firewall

The WiFi gateway features a built-in firewall that provides protection to your network from unauthorized intrusions from the Internet. The firewall features four modules which can be enabled or disabled using the switches.

SPI Firewall

Stateful Packet Inspection (SPI) firewall protection means only packets matching a known active connection will be allowed by the firewall, and others will be rejected. An SPI firewall goes beyond stateless filtering and checks an entire packet's content rather than only packet headers. This is a security feature to help distinguish between legitimate packets of information and potentially harmful packets, and provides greater security for your network.

DoS Protection

Denial-of-Service (DoS) is a common form of malicious attack against a network. The WiFi gateway's firewall can protect against such attacks by filtering unreasonable packets that could flood and disable network with large amounts of traffic.

WAN Block Ping

When active the WiFi gateway will not answer ping requests from the Internet. This can increase security as pinging is a common method used by hackers to test networks.

LAN Block Ping

When active the WiFi gateway will not answer ping requests from the local network. This can increase security as pinging is a common method used by hackers to test networks.

Manag	e Firewall Settings	
~	Firewall	
	SPI Firewall is active	
	DoS Protection is active	
	WAN Block Ping is inactive	
	LAN Block Ping is inactive	

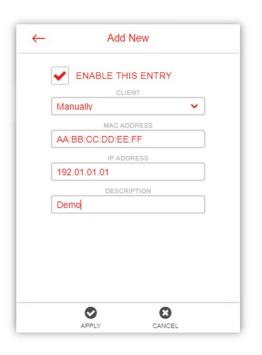


IP / MAC Binding Expert > Security > IP / MAC Binding

IP/MAC Binding allows you to reserve a static IP address for a device on the network, rather than being assigned a new (dynamic) IP address by the WiFi gateway's DHCP Server every time the device connects to the WiFi gateway. Static IP addresses can be useful for using various services on the local network. Every device is identified by a unique MAC address, and the IP address can be bound to the MAC address.

- 1. Switch IP/MAC Binding on using the switch.
- 2. Click ADD NEW to setup a new client for IP/MAC Binding.
- **3.** Select a device from the Client menu or enter the MAC address manually.
- **4.** Specify the IP Address the client will use, and enter a Description of the device for easy reference.
- 5. Check the ENABLE THIS ENTRY box and click apply to save the device.
- 6. Click the **REMOVE** or **EDIT** icon beside any entry in the Binding List to remove or edit the entry.

Manage IP/M	AC Binding Settings		
SETTINGS			
IP/MAG	C Binding is active		
BINDING LIST			
	ADD NEW		
Ø	Demo MAC Address:AA:BB:CC:DD:EE:FF+ IP Address:100.01.01.01- Description:Demo	REMOVE	EDIT
	Address:100.01.01.01. Description:Demo		





Access Control

Expert > Security > Access Control

Access Control is a security feature that can help to prevent unauthorized users from connecting to your WiFi gateway. You can define a list of network devices permitted (whitelist) or denied (blacklist) to connect to the WiFi gateway. Devices are each identified by their unique MAC address or IP address.

SETTING	s							
	Access	Control is acti	/e ()					
	Access	Mode	Black	list	Whitelist			
LIST								
			D NEW			DELETE ALL		
	•	MAC Addres	s:AA:BB:CC:DD:E	÷FF		•	Ĩ	
	Ø	Device Name:D				REMOVE	EDIT	

- 1. Switch Access Control on using the switch.
- 2. Select Blacklist (not permitted) or Whitelist (permitted), and click ADD NEW.
- **3.** Select a device from the Client menu or enter the MAC address manually.
- 4. Enter the Name of the device for easy reference.
- 5. Check the ENABLE THIS ENTRY box and click apply to save the device.
- 6. Click the **REMOVE** or **EDIT** icon beside any entry in your Blacklist or Whitelist to remove or edit the entry.

←	Add New	
✓	ENABLE THIS ENTRY	
	CLIENT	
Mar	nually	~
	MAC ADDRESS	
AA:	BB:CC:DD:EE:FF	
	DEVICE NAME	
Der	no	
	O O	
	APPLY CANCEL	



6.8 Device Settings

Expert > Device Settings

Various administrative functions of your WiFi gateway can be configured from the **Device Settings** menu, including the Web UI login password, WiFi gateway date & time settings, backup, WiFi gateway firmware and system logs.

				Administration	EN 🕶 🚦
	Basic Expert				
::	DashBoard	Manag	ge Administration Se	ettings	
.	Network	~	Settings		
>	SMS		Current password		
<\$	NAT Forwarding		·	Show Password	
	Parental Control		New password	4 to 30 characters	
B	Diagnostic		Confirm new password		
	Security				
Φ	Device Settings				
	Administration				
	Date & Time				
	Backup / Restore				
	Firmware				
	System Log				
А	Quality of Service				



Administration

Expert > Device Settings > Administration

The **administration** function allows you to change the login password for the WiFi gateway's Web UI. It's essential to change this password for the security of your WiFi gateway. Use hard-to-guess password which include combinations of numbers, letters and symbols, and change your password regularly.

Settings			
Current password	abcd	Show Password	
New password	newpassword		
Confirm new password	newpassword		

- 1. Enter the current password for authentication.
- 2. Enter your name password in the New Password field and again to confirm, and choose Save to save the new settings.

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Date & Time

Expert > Device Settings > Date & Time

Set the **date and time** for your WiFi gateway. You can use a Simple Network Time Protocol (SNTP) which synchronizes the date and time with public time servers, or the WiFi gateway can get the date and time automatically based on your selected time zone.

Mana	ge Date & Time Setti	ings
~	Settings	
	Version	Automatically SNTP
	Router Current Time	1980 Jan 06 10:34:53
	Time Zone	Eastern Time 🗸
	NTP Server 1	time.windows.com
	NTP Server 2	time.windows.com
	NTP Server 3	time.windows.com

- **1.** Select SNTP from the Version options.
- **2.** Select your time zone from the drop-down menu.
- **3.** If you want to use SNTP to synchronize date and time with public time servers, enter the NTP Servers and Save settings.
- **4.** Set the Version back to Automatic to use the selected time zone automatically, and Save the settings.

Examples of commonly used NTP Servers include time.microsoft.com or time.google.com.



Backup / Restore Expert > Device Settings > Backup & Restore

The Backup & Restore page enables you to save/backup the WiFi gateway's current settings as a file to your local computer, or restore your WiFi gateway to previously saved settings by loading a backed up file. You can also reset the WiFi gateway back to factory default settings. If the WiFi gateway malfunctions or is not responding, then it is recommended that you first reboot the device, and if still experiencing problems reset the device back to its factory default settings. You can reset the WiFi gateway back to its default settings using the Reset button on the back of the WiFi gateway (press and hold for 2+ seconds).

ige Backup / Restore Settings	
Backup	
Save a copy of your current settings.	Backup
Restore	
Restore saved settings from a file Select file No file selected	
Factory Default Restore	
Revert all the settings to their default values.	Factory Restore
	Backup Save a copy of your current settings. Restore Restore saved settings from a file Select file No file selected Factory Default Restore

Backup	
Save a copy of your current	Click the Backup button to save the settings file to your
settings	local computer.
Restore	
Restore saved settings from	Choose Select File to locate a previously saved settings file
a file	on your computer and select it to load the file to your WiFi
	gateway.
Factory Default Restore	
Revert all the settings to their	Select Factory Restore to revert your WiFi gateway to it's
default values.	original factory default state. This resets all settings.



Firmware

Expert > Device Settings > Firmware

The **Firmware** page displays your WiFi gateway's firmware version and hardware version information.

lana	ige Firmware Settings			
~	Settings			
	Firmware version installed:	84351		



System Log

Expert > Device Settings > System Log

System Log is useful information for network administrators or for potentially troubleshooting WiFi gateway/network issues. The page displays a detailed information log of network activities under different categories. You can select a category using the drop-down menu or view all categories, as well as clear log entries using the **DELETE ALL** icon.

anage	e System Log Settings			
SETTINGS				
	Connection type All Log Setting Show All Log			
DELETE ALL				
	FIREWALL Date:19800106- Time:080043- Description:Update Firewall Rules.			
	SYSTEM Date:19800106- Time:080044- Description: System ready to launch!!!			
	SYSTEM Date:19800106- Time:080044- Description: Restart DHCP Server.			
	FIREWALL Date:19800106- Time:080046 Description:Disable LAN Block Ping Function			
	FIREWALL Date:19800106- Time:080048- Description:Update Firewall Rules			



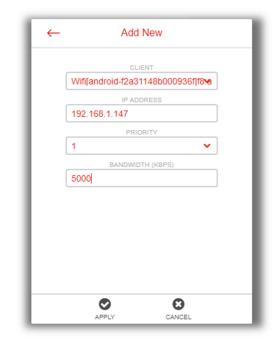
6.9 Quality of Service

Expert > Quality of Service

Quality of Service (QoS) is a feature to manage Internet bandwidth efficiently. Some applications require more bandwidth than others to function properly, and QoS allows you to ensure that sufficient bandwidth is available. Maximum bandwidth can be set for specified devices on the network, ensuring that sufficient bandwidth is available for others – or priority numbering can be used to prioritize devices on the network for bandwidth. QoS can improve performance for applications such as gaming or entertainment streaming.

- 1. Switch Quality of Service on using the switch.
- 2. Click ADD NEW to add and setup a new device for QoS.
- **3.** Select a device from the Client menu or enter the IP address manually.
- 4. Select a priority number for this device, which indicates its priority for bandwidth on the network e.g. no. 1 gets bandwidth priority over no. 2.
- 5. Enter a maximum bandwidth limit in KBPS. Allocate bandwidth according to your data plan, number of devices on your network, and device priority. You can use this to limit bandwidth for lower priority devices.
- 6. Click APPLY to save the QoS settings for this device.
- 7. Click the **REMOVE** or **EDIT** icon beside any entry in your QoS list to remove or edit the entry.

Manage	e Quality of Service	
SETTINGS	5	
	Quality of Service is active	
LIST		
	ADD NEW	DELETE ALL
	100.01.01.01 Priority: 1 [,] Bandwidth (kbps): 5000	REMOVE EDIT





7. Troubleshooting

If you are having problems with your WiFi gateway, try these basic steps in this section before looking for further solutions.

Phone or computer is disconnected from the WiFi gateway.

Your phone or computer might have lost the connection to the WiFi gateway due to interference, system updates, or any number of reasons. If you're not connected, reconnect to the WiFi gateway's WiFi and make sure the password is correct, or use an Ethernet cable to connect directly to the WiFi gateway's LAN port. Follow the steps in **4**. Configure your LTE WiFi Gateway for more help.

Cannot find the Wi-Fi network or cannot connect to the WiFi gateway.

If you can't see your WiFi gateway's WiFi when scanning available networks, or if you can't establish a connection, try the following:

- Refresh the list of available WiFi networks on your device.
- Switch the WiFi gateway off and back on again with the power switch.
- Move the WiFi gateway closer to your device, or move your device closer to the WiFi gateway.
- Restart your device or computer.

If you still can't find the WiFi network or establish a connection, then try resetting your WiFi gateway back to factory default settings. To do this, press and hold the reset button on the back of the WiFi gateway for at least 2 seconds and wait for the WiFi gateway to restart. Then repeat the connection process as described in **4**. Configure your LTE WiFi Gateway.

Can't access the Web User Interface to configure settings.

If you can't access the Web UI, it might be an issue with your device or computer's proxy or IP address settings. Make sure that proxy settings are disabled and that your device or computer can be allocated an IP address on the network by the WiFi gateway's DHCP server. You'll need to check the support for your device or computer's operating system e.g. Windows, macOS, for detailed instructions how to do this.



8. Tips & tricks

Taking care of your SIM card

- You should not remove your SIM card from the WiFi gateway unless asked to do so by T-Mobile customer service.
- Keep your SIM card dry and clean
- Avoid extreme temperatures and magnetic fields
- Do not bend, cut, trim or modify the SIM card in any way.
- Avoid touching the SIM card's gold contacts.

Get the best WiFi signal

Where you place the WiFi gateway can affect your wireless coverage. For the best WiFi performance, your WiFi gateway needs open spaces, away from walls, obstructions and heavy-duty appliances or electronics.

Surf the Internet faster

Have you thought of changing your network frequency band to enjoy a faster connection? Your WiFi gateway is dual-band (2.4GHz & 5GHz), so you'll likely get better speed by switching to the 5GHz band instead of the more commonly used and congested 2.4GHz band. Make sure your 5GHz WiFi is active at **Basic > Network > WiFi** in the WiFi gateway's Web UI, and connect your WiFi device or computer to the 5GHz band instead of 2.4GHz.

Network security

Your WiFi gateway is pre-set with the recommended WPA2 security type, but you should immediately change the default WiFi password, as well as the Web UI login password. You can do so at **Expert > Network > WiFi** and **Expert > Device Settings > Administration** in the Web UI. It's not recommended to change WiFi security type: WPA2 with AES is the most secure. And it's **never recommended** to disable WiFi security (no security type), this means your network is open and anybody within range can connect by WiFi.



Have more questions?

For troubleshooting, WiFi Gateway configuration, or additional information about T-Mobile WiFi Gateway installation go to **http://isp.t-mobile.com/support**, or Call T-Mobile customer service at **1-844-275-9310**.

IMPORTANT

9-1-1 Emergency Service available via LTE WiFi Gateway may be limited. It will not function in the event of a broadband or power outage, or if your broadband, ISP or LTE WiFi Gateway service is suspended or disconnected.

Before using LTE WiFi Gateway to make calls you MUST provide T-Mobile with the primary street address where you will use your WiFi Gateway device in order to enable 9-1-1 Emergency Service. If you do not supply T-Mobile with your correct address, your call may not be routed to the correct

emergency response center for your area. Your WiFi Gateway device may not operate at a location other than the address you have registered with T-Mobile. As a result, and to assist 911 operators with determining your device's location, you MUST update your address as soon as possible if the device is moved to a new address.

Qualifying wireless service, compatible phone & broadband Internet connection required for fixed location LTE WiFi Gateway, May require plan change. Non-return fee applied if WiFi Gateway is not returned. See **T-Mobile Terms and Conditions (including arbitration provision)** at T-Mobile.com for details and restrictions **including important 9-1-1 limitations**. T-Mobile and the magenta color are registered trademarks of Deutsche Telekom AG. ©2018 T-Mobile USA, Inc. Property of T-Mobile USA, Inc. Not for Resale.



9. Technical Specification

General

Technical Standard	3GPP LTE , LTE Category 12
Frequency band	LTE FDD: B2, B4, B12, B71, B66, B5 WCDMA: B1, B2, B4, B5, B8
Wi-Fi Standard	802.11 a/b/g/n/ac
Dimensions (W x H x D)	170mm x 124mm x 55mm
Operating temperature range	-20 – 45 °C
Storage temperature range	-40 – 85 °C
Battery	5200mAh
AC adapter (or plug-in adapter) type	ADAPTER 24W 12VDC/2A
Dimensions (W x H x D)	170mm x 124mm x 55mm

Connections

DC input	12V/ 2A
USB input	1x 2.0 Micro USB connector (for professional service only)
Ethernet plugs	2xRJ-45



Federal Communication Commission Interference Statement

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.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.