

TG788v v3

Setup and User Guide



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About this Setup and User Guide

In this Setup and User Guide

The goal of this Setup and User Guide is to show you how to:

- Set up your TG788v v3 and local network.
- Configure and use the features of your TG788v v3.

Used Symbols



The **danger** symbol indicates that there may be a possibility of physical injury.



The **warning** symbol indicates that there may be a possibility of equipment damage.



The **caution** symbol indicates that there may be a possibility of service interruption.



The **note** symbol indicates that the text provides additional information about a topic.

Typographical Conventions

Following typographical convention is used throughout this manual:

- This sample text indicates a hyperlink to a website.
Example: For more information, visit us at www.technicolor.com.
- This sample text indicates an internal link.
Example: If you want to know more about this Setup and User Guide, see “About this Setup and User Guide” on page 1.
- **This sample text** indicates an important content-related word.
Example: To enter the network, you **must** authenticate yourself.
- **This sample text** indicates a GUI element (commands on menus and buttons, dialog box elements, file names, paths and folders).
Example: On the **File** menu, click **Open** to open a file.

1 Getting started

Introduction

This chapter gives you a brief overview of the main features and components of your TG788v v3. After this chapter we will start with the installation.



Do not connect any cables, or power on your TG788v v3 until instructed to do so in this Setup and User Guide.

Before you start

Carefully read the **Safety Instructions and Regulatory Notices** document included in your package before you continue with the installation of your TG788v v3.

Topics

This chapter describes the following topics:

Topic	Page
<i>1.1 Features at a glance</i>	<i>3</i>
<i>1.2 Product overview</i>	<i>4</i>

1.1 Features at a glance

Introduction

This section provides a brief overview of the main features of your TG788v v3.

Internet connection features

- **Broadband Internet access** via the integrated **VDSL2** modem.
- **(Fallback) mobile Internet access** via the optional mobile Internet dongle.
For more information, see “2.7 Set up a mobile fallback connection” on page 20.

Local networking features

- **Wireless access** for your local network devices via the integrated IEEE 802.11n wireless access point.
For more information, see “3 Wireless networking” on page 22.
- **Wired access via Ethernet cable** for your local network devices via the Ethernet interface.
For more information, see “2.4 Connecting your wired devices” on page 17.
- An Integrated media server allowing you to share your media with media players and other network devices. For more information, see “5.1 Content sharing” on page 58.
- Turn your USB printer in a network printer thanks to the Printer Sharing feature. For more information, see “5.2 Printer sharing” on page 62.

Telephony features

Your TG788v v3 offers **Voice over IP** (VoIP) connectivity for corded phones and IP phones.
For more information see “7 Telephony” on page 69

Security features

- The **integrated firewall** helps you protect your network from attacks from the Internet.
For more information see “4.3.8 Firewall” on page 45.
- The **site blocking** function allows you to block access to specific websites.
For more information, see “6.1 Site blocking” on page 66.
- The **access control** allows you to create access schedules for **Internet** access.
For more information, see “6.2 Access control” on page 67.

The TG788v v3 web interface

The **TG788v v3 web interface** allows you to configure your TG788v v3 via your web browser.
For more information, see “4 TG788v v3 web interface” on page 31.

1.2 Product overview

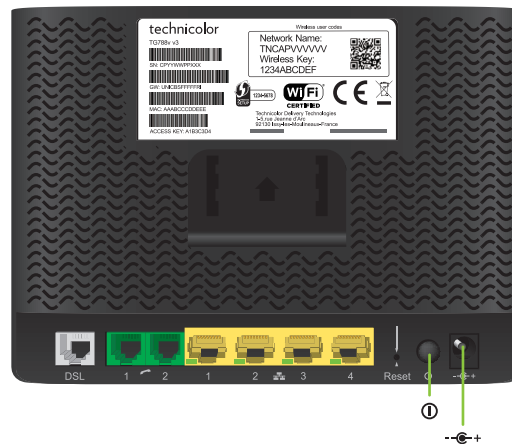
Overview

This section provides an overview of the different components of your TG788v v3:

Topic	Page
<i>1.2.1 Power</i>	<i>5</i>
<i>1.2.2 Local network connections</i>	<i>6</i>
<i>1.2.3 Broadband connections</i>	<i>7</i>
<i>1.2.5 Buttons</i>	<i>9</i>
<i>1.2.6 Status LEDs</i>	<i>10</i>

1.2.1 Power

Overview



Power inlet

The power inlet (①) allows you to connect the power supply unit.



Only use the power supply unit that is supplied with this product, is supplied by your service provider or local product dealer, or a replacement power supply unit provided by your service provider or local product dealer.

The use of other types of supplies is prohibited.

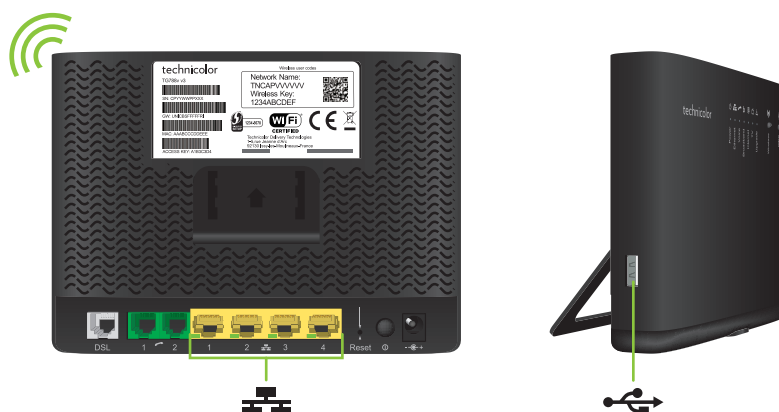
If you are not sure of the type of power supply needed, consult the product's user documentation or contact your service provider or local product dealer.

Power switch

The power switch (①) allows you to power on/off your TG788v v3.

1.2.2 Local network connections

Overview



Wireless access point

The built-in IEEE802.11n wireless access point provides wireless access to your wireless clients.

For more information, see “3 Wireless networking” on page 22.

Ethernet switch

The Ethernet switch (🔌) allows you to connect Ethernet devices (a computer, a smart TV, a Network-Attached Storage (NAS), a set-top box, etc.) to your local network. For more information, see “2.4 Connecting your wired devices” on page 17.

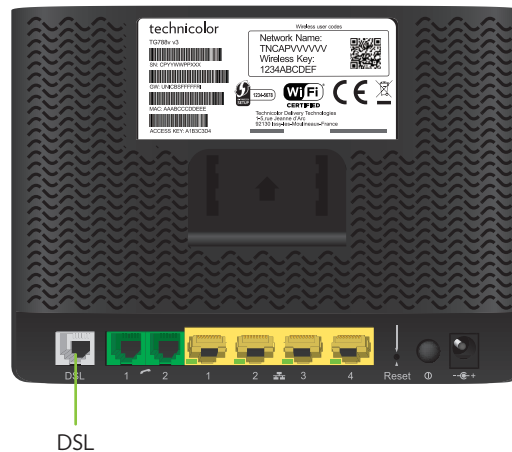
USB Port

The Hi-Speed USB (USB 2.0) port (🔌) can be used to:

- Connect a USB mass storage device to **share your content** (for example, music, movies,...).
For more information, see “5.1 Content sharing” on page 58.
- Connect your USB printer and share it with other users on your network.
For more information, see “5.2 Printer sharing” on page 62.
- Connect a mobile Internet dongle to set up a mobile Internet connection that can work as a backup for your main Internet connection. For more information, see “2.7 Set up a mobile fallback connection” on page 20.

1.2.3 Broadband connections

Overview



DSL port

This port allows you to connect your TG788v v3 to your service provider's DSL network.

For more information, see *"2.2 Connecting your TG788v v3 to your service provider's network"* on page 15.

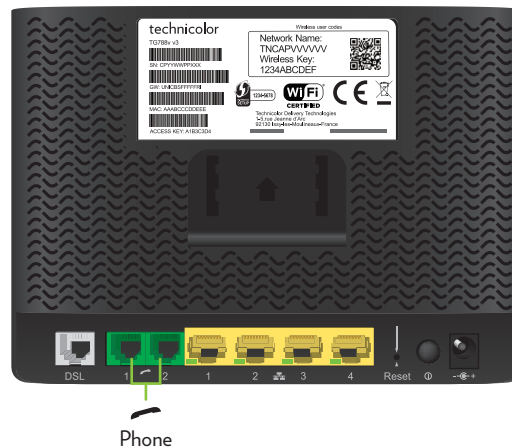
Mobile Internet dongle (optional)

If you purchased the optional mobile Internet dongle, and you have a mobile Internet subscription, you can set-up a mobile data connection that can serve as a fallback Internet connection.

For more information, see *"2.7 Set up a mobile fallback connection"* on page 20.

1.2.4 Telephone services

Overview

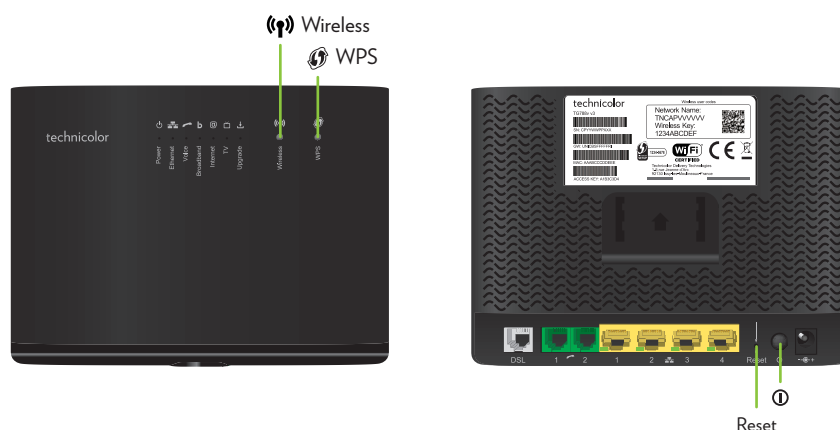


Phone Port

The **Phone** (📞) port(s) allow(s) you to connect a traditional phone, DECT base station or fax to your TG788v v3. For more information, see “2.5 Setting up your telephone network” on page 18.

1.2.5 Buttons

Overview



Power button

The **Power** (①) button allows you turn your TG788v v3 on or off.

Wireless button

The **Wireless** (⊗) button allows you to manually disable the wireless interface of your TG788v v3. You can do this when nobody is using the wireless network.

The LED on the **Wireless** button provides you information about the status of your wireless connection. For more information, see “*Wireless LED*” on page 11.

WPS button

The **WPS** (⊗) button allows you to add new wireless clients to your network in an easy yet secure way without the need to enter any of your wireless settings manually.

For more information, see “3.1 Connecting your wireless client via WPS” on page 23.

Recessed Reset button

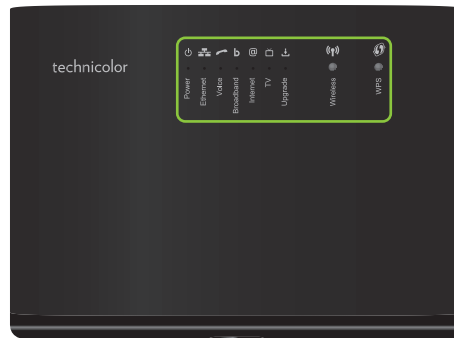
The recessed **Reset** button allows you to reset your TG788v v3 to factory defaults.

For more information, see “8.4 Reset to factory defaults” on page 77.

1.2.6 Status LEDs

Introduction

On your TG788v v3 you can find a number of status LEDs that indicates the state of your TG788v v3.



Power LED

Colour	State	Description
Green	Solid on	Power on, normal operation.
Red	Solid on	Power on, self-test failed, indicating device malfunction.
Orange	Solid on	Your TG788v v3 is starting up.
Off		Your TG788v v3 is powered off.

Broadband LED

Colour	State	Description
Green	Solid on	DSL line synchronised.
	Blinking	Trying to detect carrier signal or pending DSL line synchronisation.
Off		No DSL line connected. - or - Your TG788v v3 powered off.

Internet LED

Colour	State	Description
Green	Solid on	Connected to the Internet, no activity.
	Blinking	Connected to the Internet, sending/receiving data.
Red	Blinking	Trying to connect to the Internet.
	Off	No Internet connection.

Wireless LED

Colour	State	Description
Green	Solid on	The wireless interface is enabled, no wireless activity.
	Blinking	The wireless interface is enabled, wireless activity.
Off		The wireless interface is disabled.

For more information about the Wireless button, see “*Wireless button*” on page 9.

WPS LED

Colour	State	Description
Green	Solid On	Client successfully registered via WPS.
Orange	Blinking	WPS registration ongoing.
Red	Blinking	Error occurred.

For more information about WPS, see “3.1 *Connecting your wireless client via WPS*” on page 23.

Ethernet LED

Colour	State	Description
Green	Solid on	At least one active network device is connected to the Ethernet switch.
	Blinking	At least one Network device is connected to the Ethernet switch and sending/receiving data.
Off		No active Ethernet devices connected to the Ethernet switch.

TV LED

Colour	State	Description
Green	Solid on	Your digital TV service is up.
	Blinking	Your digital TV service is up and there is activity.
Off		Your digital TV service is down or the digital TV service is not included in your subscription .

Voice LED

Colour	State	Description
Green	Solid on	Your VoIP telephony service is up.
	Blinking	Your VoIP telephony service is up and there is activity.
Off		Your VoIP telephony service is down or the VoIP telephony service is not included in your subscription.

Upgrade LED

Colour	State	Description
Blue	Solid on	Software upgrade ongoing
Off		No software upgrade ongoing



Do not power off your TG788v v3 or disconnect any cables as long as the **Upgrade** LED is on. Interrupting the upgrade procedure may damage your TG788v v3.


2 Setting up your TG788v v3



Always follow the specific instructions of the service provider if provided.

Setting up your main services

Proceed as follows:

- 1 Attach the vertical stand.
For more information, see “2.1 Attach the vertical stand” on page 14.
 - 2 Connect your TG788v v3 to your service provider’s network.
For more information, see “2.2 Connecting your TG788v v3 to your service provider’s network” on page 15.
 - 3 Power on your TG788v v3.
For more information, see “2.3 Powering on your TG788v v3” on page 16.
 - 4 Connect your network devices. To do this using:
 - A wireless connection, see “3 Wireless networking” on page 22.
 - A wired connection, see “2.4 Connecting your wired devices” on page 17.
-  We recommended you to first connect one computer/tablet (if possible via a wired connection), then complete the rest of the procedure and as a final step connect the other (wired and/or wireless) devices.
- 5 Configure your TG788v v3 using the built-in web interface.
For more information, see “2.6 Configure your TG788v v3 services” on page 19.

Setting up additional services

When you subscribed you may have purchased additional services or items.

For more information on how to:

- Connect your phones, see “2.5 Setting up your telephone network” on page 18.
- Set up a mobile data fallback connection using a **mobile Internet dongle**, see “2.7 Set up a mobile fallback connection” on page 20 for more information.

2.1 Attach the vertical stand

Procedure

Place the locking catches of the vertical stand into the slots on the TG788v v3 and slide the mountable stand into place.



2.2 Connecting your TG788v v3 to your service provider's network

Introduction

This section helps you to connect your TG788v v3 to your service provider's network.

Connecting the cables

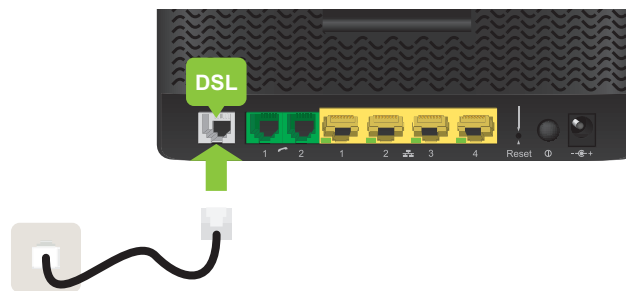
Proceed as follows:

- 1 Take the DSL cable.



Only use the DSL cable provided in your package. Other DSL cables may not work optimally with the DSL subscription that you purchased.

- 2 Plug one end of the cable in the grey **DSL** port on the back of your TG788v v3.



- 3 If your delivery:

- Does not include a DSL splitter, plug the other end of the DSL cable into your telephone wall socket.
- Includes a DSL splitter, plug the other end of the DSL cable into the **DSL/Modem** port of the DSL splitter. Plug the **(LINE)** cable of the DSL splitter into your telephone wall socket.



A splitter/filter is a box that typically has the following connectors:

- A **Line** input
- A **Phone/PSTN** output
- A **DSL/Modem** output (optional)

2.3 Powering on your TG788v v3



Only use the power supply unit that is supplied with this product, is supplied by your service provider or local product dealer, or a replacement power supply unit provided by your service provider or local product dealer.

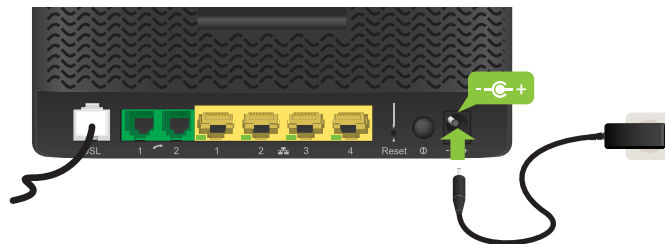
The use of other types of supplies is prohibited.

If you are not sure of the type of power supply needed, consult the product's user documentation or contact your service provider or local product dealer.

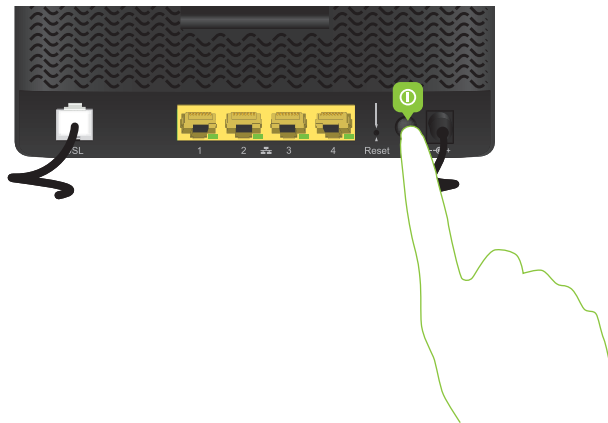
Procedure

Proceed as follows:

- 1 Plug the connector of the power supply unit into your TG788v v3 power inlet port (⎓⎓⎓).





- 2 Plug the power supply unit into a nearby power outlet.
- 3 Press the power button to turn on your TG788v v3.



- 4 The **ⓘ** LED turns on. Wait at least two minutes to allow your TG788v v3 to complete the startup phase.

2.4 Connecting your wired devices

-  To connect wireless clients, see “3 Wireless networking” on page 22.
-  To connect a set-top box for digital TV, first look for instructions in the documentation included in your package. In some cases the set-top box will have to be connected to a dedicated Ethernet port (typically Ethernet port 4).

Requirements

- Both your network device (for example, a computer, a gaming console,...) and your TG788v v3 must have a free Ethernet port.
- Your network device must be configured to obtain an IP address automatically. This should be the default setting.

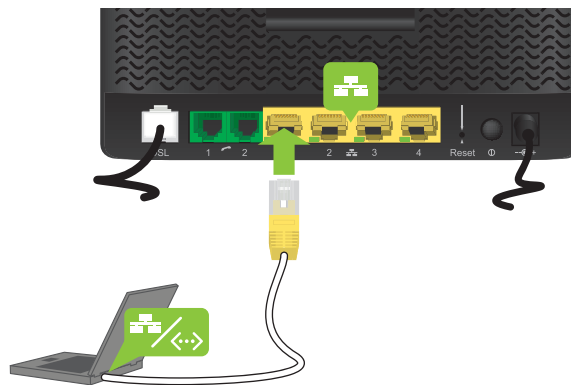
Ethernet cable


In your package, you may find one or more cables with yellow connectors. These are Ethernet cables that you can use to connect a local network device (a computer, an Ethernet printer, etc.).

Procedure

Proceed as follows:

- 1 Connect one end of the Ethernet cable to one of the **yellow** Ethernet ports of your TG788v v3:

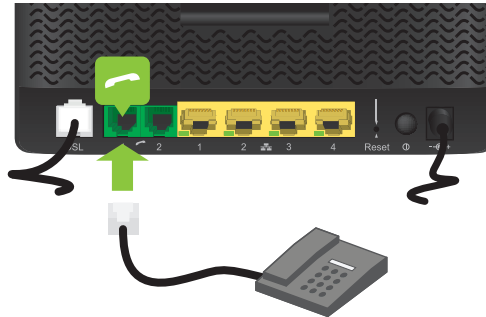


- 2 Connect the other end of the Ethernet cable to your network device.
 -  Your TG788v v3 does not support Power over Ethernet (PoE). All network devices that are connected to the TG788v v3 must be powered by their own power source.
- 3 Your device is now connected to your network.

2.5 Setting up your telephone network

Connecting corded phones

Connect your corded phone, DECT base station or fax to the green **Phone** port of your TG788v v3.



Be aware that emergency calls will not be possible when your Internet connection is down or your TG788v v3 is powered off.

2.6 Configure your TG788v v3 services

Step 1: Browse to the TG788v v3 web interface

Proceed as follows:

- 1 Browse to <http://192.168.1.1> (this is the default IP address of your TG788v v3) on a computer or device that is currently connected to your TG788v v3 (either wired or wirelessly).
- 2 The TG788v v3 web interface appears. By default, you are logged in as guest. This means that some items may be hidden. To view all items, click **Sign In** and enter **admin** as user name and the **ACCESS KEY** printed on the product label of your TG788v v3 as password.

Step 2: Check you Internet connection

Under **Internet Access**, check the status of your Internet connection. If it is not connected, click **Internet Access**, enter the **Username** and **Password** for your Internet connection and then click **Save**.

Step 3: Configure your wireless access points

- 1 Click **Wireless**. The **Wireless** page appears.
- 2 Change the following settings under **Access Point**:
 - a In the **SSID name** box, type the network name that you want to use for this access point (if you do not want to use the default one).
 - b In the Security Mode list under Access Point, select the security mode that you want to use for this access point. We recommend to use **WPA+WPA2-PSK**.
 - c In the **Wireless Password** box, type the wireless key that you want to use for this access point. The key must consist of 8 to 63 alphanumeric characters.

 - Do not use WEP or None, since they are not secure.
 - WPS will be disabled if you select WEP.
 - d Click **Save**.
- 3 (Re)connect your wireless client(s) to the TG788v v3 using the new wireless settings.

2.7 Set up a mobile fallback connection

Mobile fallback

Your TG788v v3 allows you to use mobile Internet as fallback for your main Internet connection. This means that your TG788v v3 will automatically switch to the mobile Internet connection when your main Internet connection is down.



Depending on your subscription, downloading and uploading over the mobile Internet connection may result in additional charges.

Your TG788v v3 will automatically switch back to the main Internet connection as soon as it becomes available again.

What do I need?

To set up mobile fallback connection, you need:

- A mobile Internet dongle



Only use the mobile Internet dongles provided by your service provider.

- A registered Security Identity Module (SIM) card.

Connect your mobile Internet dongle to the TG788v v3

Proceed as follows:

- 1 Make sure that the SIM card is correctly inserted in your mobile Internet dongle.
- 2 Plug the mobile Internet dongle into an available USB port of your TG788v v3.

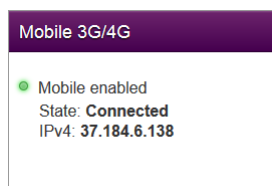


- 3 Wait for two minutes to allow your TG788v v3 to detect the mobile Internet dongle.

Configure the mobile Internet connection

Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see *“4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.*
- 2 Click the **Mobile 3G/4G** card header.



- 3 The **Mobile 3G/4G** page appears. Click the **Configuration** tab.

- 4 Under **Mobile Configuration**, update the following fields if necessary:

- **APN:**
Enter the Access Point Name (APN) of your service provider.
- **Operator Mode:**
We recommend you to use the default setting, **Automatic** (let the TG788v v3 choose the best operator mode), unless your service provider instructed you to select another mode.
- **PIN:**
The PIN code of your SIM card.



This information should be provided by your service provider.

- 5 Under **Network Authentication**, provide the user name and password provided by your service provider.



If your service provider did not provide a user name and password, then leave the **Username** and **Password** box empty. In this case authentication is not required.

- 6 Click **Save** and then click **Connect**.

- 7 The mobile connection is now up, but will not be used for Internet access unless your main Internet connection goes down. Your main connection is always the preferred connection to the Internet.

3 Wireless networking

Introduction

This section provides all information on how to use the wireless features of your TG788v v3.

Wireless access point

Your TG788v v3 comes with an integrated IEEE 802.11n wireless access point.

Configuring your wireless clients

For more information on how to make a wireless connection to your TG788v v3, see:

- “3.1 Connecting your wireless client via WPS” on page 23
- “3.2 How to manually connect a wireless client” on page 25

Secure your wireless connection!



By default, the wireless access point of your TG788v v3 is not secured. This means that everyone who is within the range of your TG788v v3 can access your network, with the possible consequences that:

- Your personal data on devices in your local network can be exposed and compromised.
- People may use your connection to access the Internet.
- Hackers may use your connection to commit crimes.



You can easily prevent this by securing your wireless access point. For more information, see “3.3 Securing your wireless connection” on page 26.

3.1 Connecting your wireless client via WPS

WPS

Wi-Fi Protected Setup (WPS) allows you to add new wireless clients to your local network in a secure and easy way, without the need to enter any of your wireless settings (network name, wireless key, encryption type).

Requirements


- Your wireless client must support WPS. Consult the documentation of your wireless client for this.
 -  The following operating systems have native WPS support:
 - Windows supports WPS from Windows Vista Service Pack 1 onwards.
 - Android supports WPS from Android 4.0 (Ice Cream Sandwich) onwards.
 - BlackBerry supports WPS from BlackBerry 6 onwards.
- Your TG788v v3 must use **WPA2 PSK** or **WPA+WPA 2 PSK** encryption or no encryption (default encryption).
 -  WPS cannot be used in combination with the following encryptions:
 - WPA2** via a RADIUS
 - WPA** via a RADIUS
 - WEP**
- The WPS function must be enabled on your TG788v v3. This is the default setting.

WPS Methods

The following WPS methods are supported by your TG788v v3:

- Push Button Configuration (PBC):**
You simply push the WPS button on both your wireless client and your TG788v v3 to connect them to each other. See *“Connect your wireless client WPS PBC” on page 23.*
- PIN code entry on the wireless client:**
You enter the PIN code of your TG788v v3 on the configuration utility of your wireless client to connect them to each other. See *“Connect your wireless client using WPS PIN code entry on the wireless client” on page 24.*
- PIN code entry on your TG788v v3:**
You enter the WPS PIN code of your wireless client on the TG788v v3 web interface to connect them to each other. For more information, see *“Connect your wireless client using WPS PIN code entry on your TG788v v3” on page 24.*

Connect your wireless client WPS PBC

-  Make sure that you know how to start WPS on your wireless client before you start. Consult the documentation of your wireless client for more information.

Proceed as follows:

- 1 Shortly press the WPS button on your **TG788v v3**:



- 2 The **WPS** LED starts blinking orange. This indicates that your TG788v v3 is now searching for wireless clients that are in registration mode. You now have two minutes to start WPS on your wireless client.
- 3 Start **WPS** PBC on your wireless client.
- 4 Your TG788v v3 provides its wireless settings to the wireless client.
- 5 At the end of the WPS process, the status of the **WPS** LED on your TG788v v3 will change to either of the following:
 - Solid green
This indicates that you successfully registered and connected this wireless client. You are now connected to your TG788v v3 wireless network.
 - Blinking red
This indicates that your TG788v v3 could not find any wireless client in WPS pairing mode or that the exchange of the wireless settings and/or registration failed. For more information, see *“Cannot connect via WPS” on page 75*.

Connect your wireless client using WPS PIN code entry on the wireless client

Proceed as follows:

- 1 Check the label on your TG788v v3 and note the following information:
 - The PIN code that is printed next to the WPS logo.



- The **Network Name**.

These are the default values. If you already changed these settings, use the new settings instead.

- 2 Go to the WPS PIN code entry page of your wireless client. Consult the documentation of your wireless client for more information.
- 3 Enter the PIN code,
 - ! Do not include the hyphen when entering the PIN code. For example, if the PIN code is **1234-5678**, then enter **12345678**.
- 4 Your wireless client may prompt you to select your access point. If this is the case, your access point will be listed with its **Network Name**.



You can find the default network name on the label on your TG788v v3.

Connect your wireless client using WPS PIN code entry on your TG788v v3

Proceed as follows:

- 1 Locate and note the WPS PIN of your wireless client. For more information, consult the documentation of your wireless client.
- 2 Browse to the *TG788v v3 web interface*.
For more information, see *“4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33*.
- 3 Click **Wireless**. The **Wireless** page appears.
- 4 In the **WPS Device PIN code** box under **Access Point**, type the PIN code of your wireless client and click **Set PIN code**.

In case of problems

If you are having trouble connecting your wireless client via WPS, see *“Cannot connect via WPS” on page 75* for more instructions.

3.2 How to manually connect a wireless client

Procedure

To connect a wireless client to the wireless network, configure that wireless client with the wireless settings (network name and wireless key) of your access point.

If your TG788v v3 is still using the default wireless settings, use the network name (SSID) and wireless key that is printed on the label on your TG788v v3 (or product ID card if included).



You can always find back the current wireless settings via the TG788v v3 web interface. For more information, see *“Forgot your wireless key?” on page 75*

3.3 Securing your wireless connection

Introduction

We strongly recommend you to protect all wireless communication between any wireless client and your TG788v v3 with a wireless key. This ensures that:

- Only clients that use the correct Network Name (SSID) and wireless key can connect to access point of your TG788v v3.
- All data passing through the wireless access point of your TG788v v3 is secured by adequate encryption.

Configuration

To secure your wireless network with:

- WPA-PSK encryption, continue with *“3.3.1 Configuring WPA(2)-PSK encryption” on page 27.*
The wireless connection is secured with a pre-shared key that has been defined by the user. Wireless clients must be configured with this key before they can connect to your TG788v v3. Your TG788v v3 supports the following WPA-PSK versions (ordered by descending security).
- WPA encryption (via RADIUS), continue with *“3.3.2 Configuring WPA-Enterprise encryption” on page 28.*
This encryption is typically used for business networks. Wireless clients will authenticate to a specific Remote Authentication Dial In User Service (RADIUS) server. This RADIUS server then provides the wireless key that must be used to encrypt its data. The RADIUS server regularly updates this key at a specified interval.

3.3.1 Configuring WPA(2)-PSK encryption

Procedure

Proceed as follows:

- 1 Browse to the TG788v v3.
For more information, see *“4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.*
- 2 Click **Wireless**. The **Wireless** page appears.
- 3 In the **Security Mode** list under **Access Point**, select one of the following modes:
 - **WPA2-PSK**
This mode provides the highest security. Choose this version if you are sure that all your wireless clients support WPA2-PSK.
 - **WPA-PSK + WPA2-PSK**
Choose this option if not all of your wireless clients support WPA2-PSK, or if you are not sure. Wireless clients that support WPA2-PSK will use WPA2-PSK, the others will use WPA-PSK.
- 4 In the **Wireless Password** box, type a the key of your choice. The key must consist of 8 to 63 alphanumeric characters.
- 5 Click **Save**.
- 6 Reconnect your wireless client(s) to your TG788v v3 using the new security settings.
For more information, see *“3.1 Connecting your wireless client via WPS” on page 23* or *“3.2 How to manually connect a wireless client” on page 25.*

3.3.2 Configuring WPA-Enterprise encryption

Requirements

- A RADIUS server must be readily set up on your local network.

Procedure

Proceed as follows:

- 1 Browse to the *TG788v v3 web interface*.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Wireless**. The **Wireless** page appears.
- 3 In the **Security Mode** list under **Access Point**, select one of the following modes:
 - **WPA2**
 - **WPA+WPA2**
- 4 The following RADIUS settings are now available for configuration:
 - **RADIUS Authentication Server’s IP:** enter the IP address of your RADIUS server.
 - **RADIUS Authentication Server’s port:** enter the WPA RADIUS Port.
 - **RADIUS Authentication Server’s secret:** enter the WPA RADIUS Key.
- 5 Click **Save** to apply your changes.
- 6 Reconnect your wireless client(s) to your TG788v v3.
For more information, see “3.2 How to manually connect a wireless client” on page 25.

3.4 Turning the wireless radio off/on at scheduled times

Wireless control

Wireless control is a feature that allows you to turn off the wireless radio at specific times.

For example, you can disable the wireless radio during the night to reduce power consumption.

Warning

Wireless control causes wireless service interruptions. Make sure that all users are aware of the time schedules to avoid data loss.

Creating an wireless control rule for a device

Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Wireless**. The **Wireless** page appears.
- 3 Click the **Wireless Control** tab and then click **Add new rule**.
- 4 The wireless control settings appear.

Time of Day

Time of day wireless control

Status	Access Point	Start Time	Stop Time	AP State	Day of weeks
					<input type="checkbox"/> Mon. <input type="checkbox"/> Tue. <input type="checkbox"/> Wed. <input type="checkbox"/> Thu. <input type="checkbox"/> Fri. <input type="checkbox"/> Sat. <input type="checkbox"/> Sun.

Time of day wireless control

Enabled ☒

AP State

Start Time

Stop Time

The DUT will block/allow all the time if none of the days are selected

Day of week ☒ Mon. ☒ Tue. ☒ Wed. ☒ Thu. ☒ Fri. ☒ Sat. ☒ Sun.

[+ Add New Rule](#)

[Close](#)



- 5 Make sure that **Enabled** is selected.
- 6 In the **MAC address** box, type the MAC address of the device.
 You can also type in (a part of) the host name of the device. The TG788v v3 will then display a list of devices with such a host name. If you then click one of the results, the TG788v v3 will insert the corresponding MAC address.
- 7 Enter the **Start Time** and **Stop Time** as h:mm (for example: **8:10**, **23:59**).
- 8 Next to **Day of week**, select the days of the week on which you want this rule to be applied.
- 9 Click **+** at the top right of the settings.

Managing wireless control rules

Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Wireless**. The **Wireless** page appears.

3 Click the **Wireless Control** tab and then click:

-  to edit an existing rule.
-  to delete an existing rule.

4 TG788v v3 web interface

Introduction

The TG788v v3 web interface allows you to configure your TG788v v3 using your web browser.

Overview

This chapter contains the following topics:

Topic	Page
<i>"4.1 Accessing the TG788v v3 web interface"</i>	33
<i>"4.2 Account settings"</i>	35
<i>"4.3 Cards"</i>	36
<i>"4.4 Backing up/restoring your configuration"</i>	56

4.1 Accessing the TG788v v3 web interface

Introduction

You can access the TG788v v3 web interface from the following locations:

- From your local network.
For more information, see *“4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.*
- From the Internet.
Access from the Internet is disabled by default and can only be activated for a limited time. For more information, see *“4.1.2 Accessing your TG788v v3 from the Internet (Remote Assistance)” on page 34.*

4.1.1 Accessing the TG788v v3 web interface from your local network

Procedure

Proceed as follows:

- 1 Browse to <http://192.168.1.1> on a computer or device that is currently connected to your TG788v v3 (either wired or wirelessly).



192.168.1.1 is the default IP address of your TG788v v3. If you have changed the IP address of your TG788v v3, use this IP address instead.

- 2 The TG788v v3 web interface appears. By default, you are logged in as guest. This means that some settings may be hidden. To view all settings, click **Sign In** and enter your user name (👤) and password (🔒).



If you did not change the default credentials, the user name is **admin** and the password is the **ACCESS KEY** that is printed on the product label of your TG788v v3.

- 3 If this is the first time that you sign in, the TG788v v3 will offer you to change your password.

Select one of the options and then click **Save**. If you choose to change the password, type your current password in the first box, type your new password twice and then click **Change Password**.



Your new password must contain at least 12 characters including both upper and lower case letters, at least one number and at least one special character.

Allowed special characters are !, @, #, \$, %, ^, &, *, ?, _, ~, -, (and).

Choose a password that you can easily remember. If you forget your password the only option is to completely reset your TG788v v3 (all your changes will be lost). For more information, see “8.4 Reset to factory defaults” on page 77.

- 4 All settings are now available.

4.1.2 Accessing your TG788v v3 from the Internet (Remote Assistance)

Introduction

Remote assistance allows you to make your TG788v v3 web interface temporarily accessible from the Internet.

Security

The following security measures are applied:

- When activating remote assistance, a dedicated user account will be created. Only users who use this dedicated user name and password can access the TG788v v3 web interface.
- Only HTTP Secure (HTTPS) sessions are allowed.

Session duration

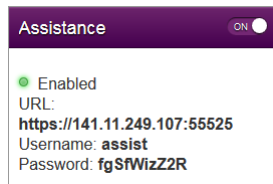
The remote session ends when one of the following conditions is met:

- Remote assistance is disabled via a local or remote session.
- Your TG788v v3 is restarted.
- After 30 minutes of inactivity on the remote side.

How to enable remote assistance

Proceed as follows.


- 1 Open a web browser on a computer that is connected to your local network (and TG788v v3).
- 2 Browse to the web interface of your TG788v v3.
- 3 In the **Assistance** card, click the switch to put it in the **ON** position.
- 4 Your TG788v v3 enables remote assistance and displays the connection details in the assistance card.



Pass the connection details to the person that will be accessing your TG788v v3 from the Internet.

How to access your TG788v v3 from the Internet

If you (or someone from the help desk) wants to access your TG788v v3 from the Internet, proceed as follows:

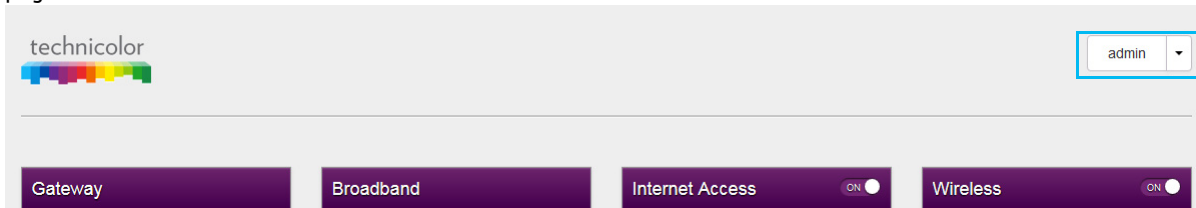
- 1 Open a web browser and browse to the **URL** as displayed in the **Assistance** card. (for example, <https://131.141.151.161:55174>).
-  You must:
- Use **https**.
 - Include the colon followed by the port number at the end.
- 2 Your browser may prompt you that it does not recognize the security certificate. If so, indicate that you want to continue.
 - 3 The **Sign in** page appears. Enter the user name and password as displayed in the **Assistance** card.

How to disable remote assistance

In the **Assistance** card, click the switch to put it in the **OFF** position.

4.2 Account settings

After logging in on the web interface of the TG788v v3, you can see the user name you used in the upper-right corner of the page.



When you click the arrow next to your user name, the following options appear:

- **Change password**

Click this option to change your password. The **Change Password** page appears.

 A screenshot of the 'Change password' form. It has a title 'Change password' at the top. Below the title are three password input fields: 'Your old password', 'Your new password', and 'Repeat new password'. Each field has a lock icon to its left. At the bottom of the form are two buttons: 'Cancel' and 'Change password'.

Type your current password in the first box, type your new password and confirm it. Click **Change Password**.



Your new password must contain at least 12 characters including both upper and lower case letters, at least one number and at least one special character.

Allowed special characters are !, @, #, \$, %, ^, &, *, ?, _, ~, -, (and).

Choose a password that you can easily remember. If you forget your password the only option is to completely reset your TG788v v3 (all your changes will be lost). For more information, see *"8.4 Reset to factory defaults"* on page 77.

- **Sign out**

Click this option to close the session and sign out.

4.3 Cards



Overview

The home page contains the following cards:

Card	For more information, see...
Gateway	<i>"4.3.1 Gateway" on page 38</i>
Broadband	<i>"4.3.2 Broadband" on page 39</i>
Internet Access	<i>"4.3.3 Internet Access" on page 40</i>
Wireless	<i>"4.3.4 Wireless" on page 41</i>
Local Network	<i>"4.3.5 Local Network" on page 42</i>
Devices	<i>"4.3.6 Devices" on page 43</i>
WAN Services	<i>"4.3.7 WAN Services" on page 44</i>
Firewall	<i>"4.3.8 Firewall" on page 45</i>
Telephony	<i>"4.3.9 Telephony" on page 46</i>
Diagnostics	<i>"4.3.10 Diagnostics" on page 47</i>
Assistance	<i>"4.3.11 Assistance" on page 48</i>
Mobile	<i>"4.3.12 Mobile" on page 49</i>
Management	<i>"4.3.13 Management" on page 50</i>
Content Sharing	<i>"5.1 Content sharing" on page 58</i>
Printer Sharing	<i>"5.2 Printer sharing" on page 62</i>
Parental Controls	<i>"4.3.16 Parental Controls" on page 53</i>
IP Extras	<i>"4.3.17 IP Extras" on page 54</i>
Relay Setup	<i>"4.3.18 Relay Setup" on page 55</i>



Launch buttons

When pointing to a header of a card, the following icons buttons appear:

Button	Description
	Click to view additional information.
	Click to view or change the settings.

Toggle buttons

Some cards have an on/off switch in the header:

Button	Description
	The service is currently enabled. Clicking this button will disable the service.
	The service is currently disabled. Clicking this button will enable the service.

4.3.1 Gateway

The Gateway card



The **Gateway** card displays the current version of the TG788v v3 firmware.

The Gateway page

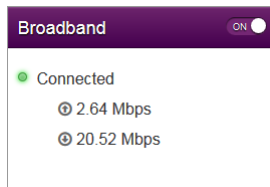
To open the Gateway page, click the **Gateway** card header:

The **Gateway** page allows you to:

- View basic information about your TG788v v3.
- View or change the time settings used by your TG788v v3.
- Restart your TG788v v3.
- Reset your TG788v v3 to factory defaults.
For more information, see “8.4 Reset to factory defaults” on page 77.
- Export your current configuration.
For more information, see “4.4 Backing up/restoring your configuration” on page 56.
- Import a previously saved configuration.
For more information, see “4.4 Backing up/restoring your configuration” on page 56.
- Upgrade the firmware of your TG788v v3 (if available).

4.3.2 Broadband

The Broadband card



The **Broadband** card displays the current status of your broadband interface.

Broadband switch

In the **Broadband** card header, you can see whether your broadband interface is enabled or not. If the switch is set to:

- **ON** then the broadband interface is enabled. Clicking the switch will disable your broadband interface.
- **OFF** then the broadband interface is disabled. Clicking the switch will enable your broadband interface.

The Broadband page

To open the **Broadband** page, click the **Broadband** card header.

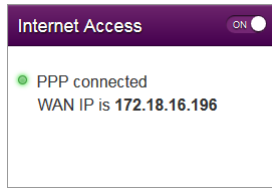
The **Broadband** page displays information about your broadband connection.

In the upper-right corner, you can click **show advanced** to:

- Configure the broadband type.
- View additional statistics.

4.3.3 Internet Access

The Internet Access card





The **Internet Access** card displays:

- The current status of your Internet connection.
- The WAN IP address
This is the IP address that your TG788v v3 uses for its communication on the Internet.

Internet Access switch

In the **Internet Access** card header, you can see whether your broadband interface is enabled or not. If the switch is set to:

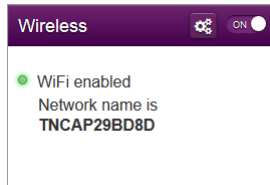
-  then your main Internet connection is enabled. Clicking the switch will disable your main Internet connection.
-  then your main Internet connection is disabled. Clicking the switch will enable your main Internet connection.

Viewing additional settings

Click **Internet Access**. The **Internet Access** page appears and displays additional settings.

4.3.4 Wireless

The Wireless card



The **Wireless** card displays:

- The status of the wireless access point (enabled or disabled).
- The network name (SSID) of the wireless access point.

The Wireless page

Click the **Wireless** card header to open the **Wireless** page.

On the left of the **Wireless** page you can select the access point that you want to configure:

For each access point, you can:

- View or change the wireless interface settings.
- View or change the access point settings
- Start a WPS push button configuration

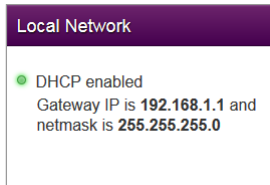
Configuration examples

In this Setup and User Guide you can find information on how to:

- Change the wireless security settings.
For more information, see *“3.3 Securing your wireless connection” on page 26.*
- Configure and use WPS.
For more information, see *“3.1 Connecting your wireless client via WPS” on page 23.*

4.3.5 Local Network

The Local Network card



The **Local Network** card displays:

- The status of the DHCP server (enabled or disabled).
- The local IP address and netmask of your TG788v v3.

The Local Network page

To open the **Local Network** page, click the **Local Network** card header.

On the **Local Network**, you can:

- View or change the IP address of your TG788v v3.
- View or change the DHCP settings of your TG788v v3.
- Add or remove static DHCP leases for devices.

To view advanced settings, click **show advanced** in the upper-right corner.

4.3.6 Devices

The Devices card

The **Devices** card displays the number of devices connected to:

- The Ethernet interface.
- Wireless interface.

Viewing additional settings

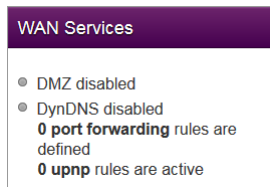
Click **Devices** card and click . The **Devices** page appears and allows you to:

- View a list of devices that are or recently were connected to your local network in the **Device List** tab.
- View the devices grouped by interface in the **Device Map** tab.

To view update the list, click **refresh data** in the upper-right corner.

4.3.7 WAN Services

The WAN Services card



The **WAN Services** card displays:

- The DMZ status
For more information, see “6.3 DMZ” on page 68.
- The number of port forwarding rules that are defined.
Port forwarding allows you to forward incoming Internet traffic arriving on a specific port to a local device.
- The number of UPnP rules that are active.
UPnP-enabled games and applications automatically create the necessary port forwarding rules to run services on that device.

Viewing additional settings

Click **WAN services**. The **WAN Services** page appears and allows you to:

- View or change port forwarding rules
- View active UPnP rules.

In the upper-right corner, you can click **show advanced** to:

- Configure a DMZ host.
For more information, see “6.3 DMZ” on page 68.
- Enable or disable UPnP services
- Configure Dynamic DNS
The dynamic DNS service allows you to assign a fixed DNS host name (for example mywebpage.dyndns.org) to a public IP address (this the IP address that your TG788v v3 uses for communication on the Internet) even if it is using a dynamic IP address. As soon as the TG788v v3 gets a new public IP address, the dynamic DNS server updates its entry to match the fixed DNS host name the new IP address.

4.3.8 Firewall

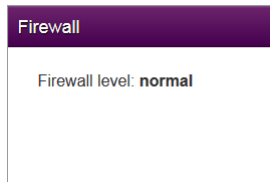
Introduction

Your TG788v v3 comes with an integrated firewall that helps you protect your network from attacks from the Internet. This firewall has a number of predefined levels to allow you to adjust the firewall to your needs.

The default mode is **normal**. In **normal** mode, the firewall will:

- Allow all outbound connections and will silently drop all unknown incoming connections.
- Protect your TG788v v3 and local network against intrusions.

The Firewall card



The **Firewall** card displays current firewall level used.

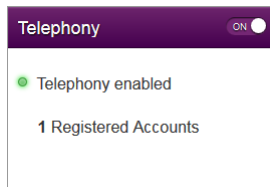
Viewing additional settings

Click **Firewall**. The **Firewall** page appears and allows you to:

- Change the firewall level.
- Enable or disable response to Internet pings.

4.3.9 Telephony

The Telephony card



The Telephony card displays the status of your voice subscriptions.

The Telephony page

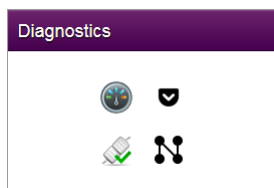
To open the **Telephony** page, click the **Telephony**.

The **Telephony** page allows you to:





- Configure your voice service and options.
- Manage the phone book.
For more information, see *“7.1 Phone book” on page 70*.
- View the call log.
For more information, see *“7.2 Viewing call logs” on page 71*.

4.3.10 Diagnostics

The Diagnostics card



The **Diagnostics** card displays the following troubleshooting tools.

Tool		Function
Icon	Name	
	x DSL	View DSL connection statistics.
	Ping & Traceroute	Run ping and trace route test.
	Connection	Run connection checks.
	Network	View port state and network statistics.

Click on the icon to open the corresponding tool.

4.3.11 Assistance

Introduction

Remote assistance allows you to make your TG788v v3 web interface temporarily accessible from the Internet.

For more information, see “4.1.2 Accessing your TG788v v3 from the Internet (Remote Assistance)” on page 34.

4.3.12 Mobile

Mobile fallback

Your TG788v v3 allows you to use a mobile Internet connection (3G, LTE or 4G) as fallback connection for your main Internet access. This means that your TG788v v3 offers you the possibility to automatically switch to the mobile Internet connection when your main Internet connection is down.

The Mobile card



The **Mobile** card displays:

- The status of your mobile connection.
- The public IP address of the TG788v v3.

The Mobile page

To open the **Mobile** page, click **Mobile**.

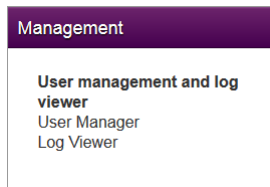
The **Mobile** page allows you to:

- View information about the line and the mobile network status.
- Configure your mobile connection.

For more information, see "*Configure the mobile Internet connection*" on page 20.

4.3.13 Management

The Management card



The Management page

To open the **Management** page, click **Management**.

The **Management** page allows you to:

- Manage the user accounts of the TG788v v3 web interface.
- View event logs.

4.3.14 Content Sharing

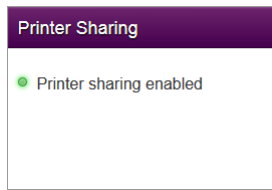
Introduction

If you connect a USB storage device to the USB port of your TG788v v3, you can share the content on your USB storage device(s) with other devices that are connected to your local network (mostly computers).

For more information, see “*5.1 Content sharing*” on page 58.

4.3.15 Printer Sharing

The Printer Sharing card



The Printer Sharing page

To open the **Printer Sharing** page, click **Printer Sharing**.

The **Printer Sharing** page allows you to:

- Enable or disable printer sharing.
- View a list of the connected printers.

4.3.16 Parental Controls

The Parental Controls card



The **Parental Controls** card displays:

- The status of the website blocking feature.
- The number of site blocking rules that are currently defined.

The Parental Controls page

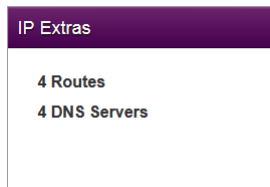
To open the **Parental Controls** page, click **Parental Controls**.

The **Parental Controls** page allows you to configure:

- Site blocking. For more information, see “6.1 Site blocking” on page 66.
- Access control, see “6.2 Access control” on page 67.

4.3.17 IP Extras

The IP Extras card



The **IP Extras** card displays:

- The number of IPv4 routes
- The number of DNS servers

The IP Extras page

To open the **IP Extras** page, click **IP Extras**.

The **IP Extras** page displays:

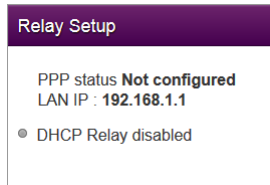
- The IPv4 routes
- The DNS servers

4.3.18 Relay Setup



This function is intended for technicians and network administrators only.

The Relay Setup card



The DHCP relay card displays:

- The status of the PPP connection
- The LAN IP address of your TG788v v3.
- The status of the DHCP relay function.

The DHCP Relay Setup page

To open the **DHCP Relay Setup** page, click **Relay Setup**.

The **DHCP Relay Setup** page, allows you to:

- Change the PPP user name and password
- Change the LAN IP address of your TG788v v3
- Configure a DHCP relay agent.



4.4 Backing up/restoring your configuration

Introduction

Once you have configured your TG788v v3 to your needs, it is recommended to back up the configuration of your TG788v v3 for later use. This way you can always return to the latest working configuration of your TG788v v3 in case of problems.


Backing up your configuration

Proceed as follows:

- 1 Browse to your *TG788v v3 web interface*.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Gateway**. The **Gateway** page appears.
- 3 In the **Export Configuration** section, click **Export**.
- 4 The TG788v v3 prompts you to save your backup file.
 Do not change the file extension.
- 5 Save your file to a location of your choice.
 Do not edit the backup files as this may result in corrupt files making them worthless as configuration backup.

Restoring your configuration

Proceed as follows:

- 1 Browse to your *TG788v v3 web interface*.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Gateway**. The **Gateway** page appears.
- 3 In the **Import Configuration** section, click **Browse**, open your backup file and then click **Import**.
 Backup files usually have **.bin** as extension.
- 4 The TG788v v3 restores the saved configuration.
- 5 The TG788v v3 restarts.

5 Content and Printer Sharing

Topics

This chapter describes the following topics:

Topic	Page
<i>5.1 Content sharing</i>	58
<i>5.2 Printer sharing</i>	62

5.1 Content sharing

Introduction

If you connect a USB storage device to the USB port of your TG788v v3, you can share the content on this USB storage device(s) with other devices that are connected to your local network (mostly computers and multimedia devices).

This is in fact a cheaper alternative for a Network-Attached Storage (NAS).

Features

- Your TG788v v3 supports Hi-Speed USB (USB 2.0)
- The following file systems are supported:
 - NTFS
 - FAT32
 - FAT16
 - HFS+
 - EXT2/3/4
- You can connect up to five USB storage devices (via a USB hub).

Content Sharing Servers

Your TG788v v3 offers two types of services to share your content. The following table gives a you a brief overview of the main functions:

	Samba server	DLNA server
Function	Store and access your data on your local network.	Make media files available for DLNA capable devices like Media players, set-top boxes from your local network.
Access	Read and write	<i>Read-only</i>
Accessible from	Local network	Local network
Type of content shared	<i>All files</i> from all partitions and disks that are connected.	Only the <i>media</i> files (music, movies and pictures) from all partitions and disks that are connected.

How to set up content sharing

Both the Samba and the DLNA server are *enabled by default*. The only thing that you need to do is to plug your USB storage device in (one of) the USB port(s) of your TG788v v3.



Customizing the content sharing settings

To change the default settings, proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see *“4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.*
- 2 Click **Content Sharing**. The **Content Sharing** page appears. Under **General status**, you can change the following settings:
 - **Samba name:**
Your TG788v v3 will share the content to the Samba devices under this name.
 - **Samba enabled:**
Allows you to enable or disable the Samba file sharing server.
 - **DLNA enabled:**
Allows you to enable or disable the DLNA service.
 - **DLNA name:**
Your TG788v v3 will share the content with other DLNA devices under this name.
- 3 When you click **show advanced**, you will be able to configure the **Samba name** and **DLNA name**. On top of that you can also change the:
 - **Samba workgroup:**
Enter the same workgroup as used by your computer(s).
 - **Samba description:**
Add a short description for the TG788v v3 shared content.
- 4 Click **Save**.
- 5 All users connected to your TG788v v3 can now access the data stored on the storage device(s) that are connected to your TG788v v3.

5.1.1 Accessing the Samba server

Introduction

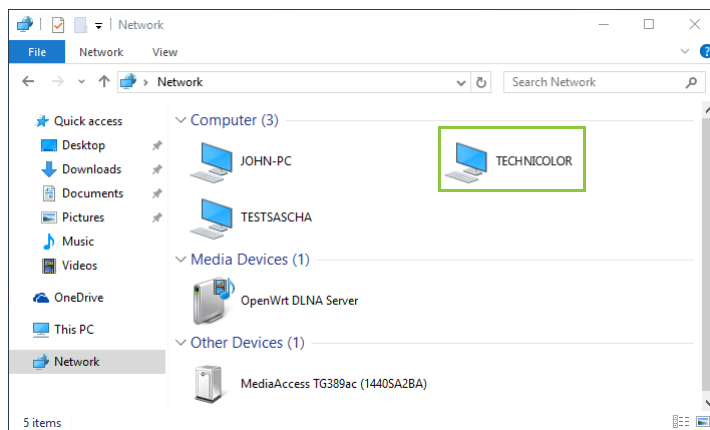
The Samba server allows you to share the content on your USB storage device(s) with other devices that are connected to your local network (mostly computers).


These devices have read and write access to the shared content.

Accessing the Samba server on Windows

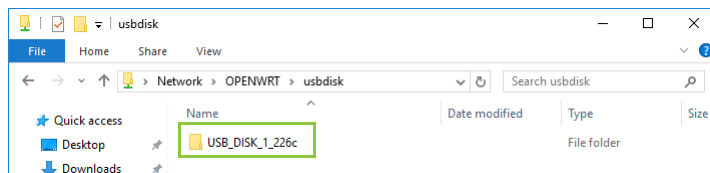
Proceed as follows:

- 1 Open (File) Explorer and then click **Network**.
- 2 The **Network** window appears. Double-click **Technicolor**.



 You can also access the device by entering `\\192.168.1.1` in the address bar.

- 3 The storage devices that are attached to your TG788v v3 are listed as folders.

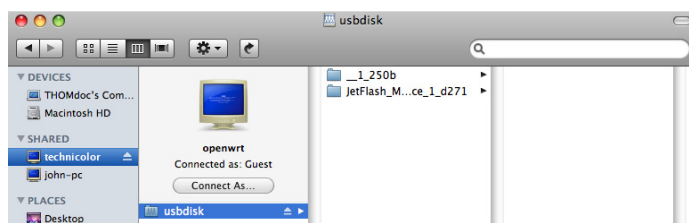


- 4 If you plan to frequently use this folder, it might be useful to map this folder as a network drive. For more information, see the help of your operating system.

Accessing the Samba server on a Mac

Proceed as follows:

- 1 Open a **Finder** window. Under **SHARED** click **Technicolor** and then click **usbdisk**.



- 2 The storage devices that are attached to your TG788v v3 are listed as folders.

5.1.2 Accessing the DLNA server

Introduction

The DLNA server lists all audio, video and picture files located on the connected USB storage device. All DLNA-certified renderers (for example, a DLNA-certified set-top box) that are connected to your network are able to view this list and stream or view items from this list.

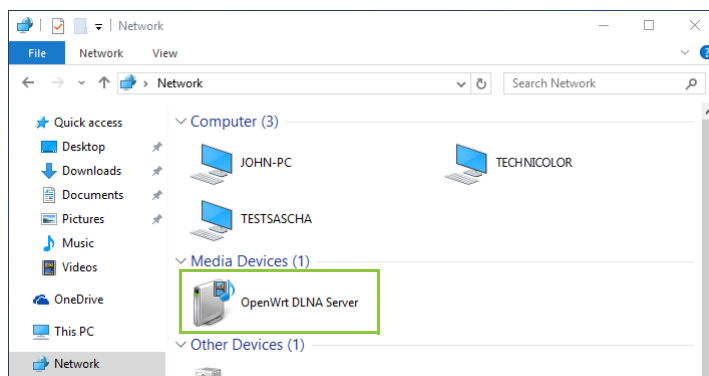
On your DLNA renderer, the TG788v v3 DLNA server will be listed under the name that you configured in *“How to set up content sharing”* on page 58.

Windows 10, Windows 8 and Windows 7

Windows 10, Windows 8 and Windows 7 have native support for DLNA. They automatically detect DLNA and make your media files available for playback on your Windows Media Player and Windows Media Center.

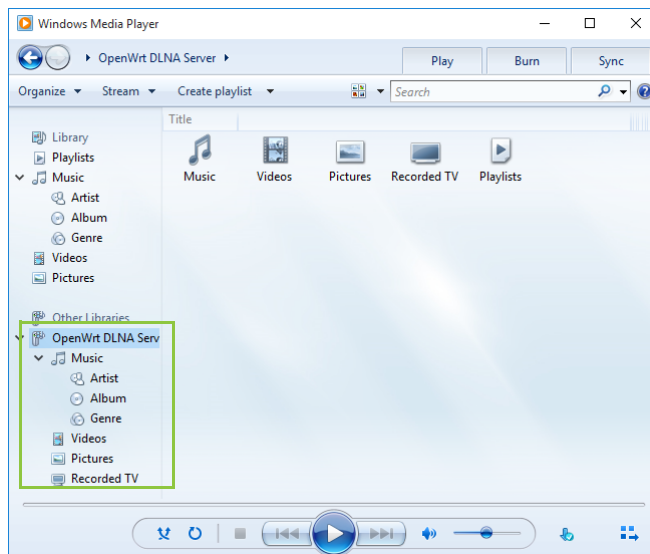
Proceed as follows:

- 1 Open (File) Explorer and then click **Network**.
- 2 The **Network** window appears:



Under **Media Devices** you will find the DLNA media server (displayed as **OpenWrt DLNA Server**) of your TG788v v3.

- 3 To access your media files
 - On Windows 10, right-click **OpenWrt DLNA Server** and then click **Open Media Player**.
 - Another Windows version, double-click **OpenWrt DLNA Server**.
- 4 **Windows Media Player** starts up.



The DLNA media server of your TG788v v3 is listed in the tree structure on the left on the left. This entry allows you to browse your media files.

5.2 Printer sharing

Introduction

A TG788v v3 USB port allows you to share your USB printer in your local network. This way everyone in your network can use the same printer without having to buy an expensive network printer.

Requirements

The samba server must be enabled on the TG788v v3 (this is the default setting).

For more information, see *“Customizing the content sharing settings”* on page 59.

Procedure

Proceed as follows:

- 1 Connect your USB printer to the TG788v v3. For more information, *“5.2.1 Connect your USB printer to the TG788v v3”* on page 62.
- 2 Configure the printer sharing service on your TG788v v3.
For more information, see *“5.2.2 Enable the printer sharing service on your TG788v v3”* on page 63.
- 3 Install the printer on your computer.
For more information, see *“5.2.3 Installing the printer on your computer”* on page 64.

5.2.1 Connect your USB printer to the TG788v v3

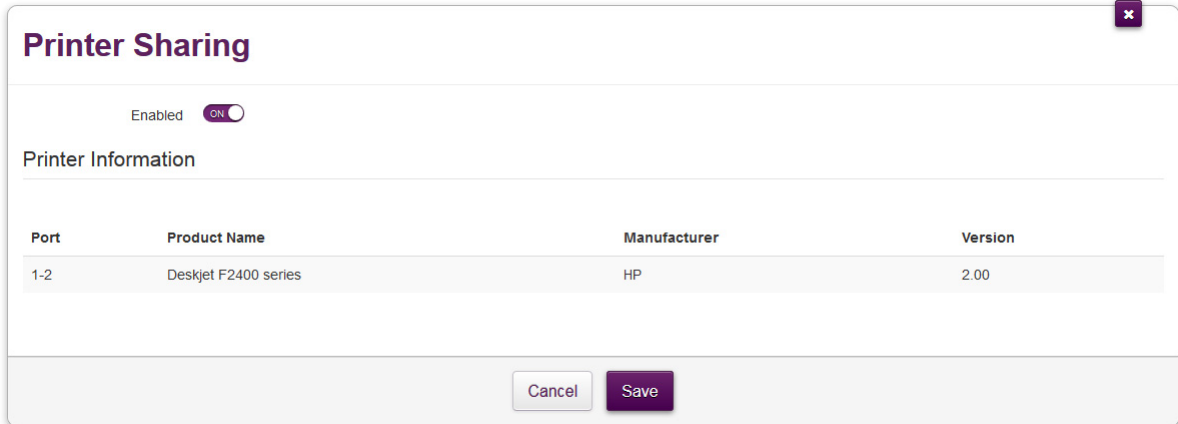
Plug the USB cable of your printer in (one of) the USB port(s) of your TG788v v3.



5.2.2 Enable the printer sharing service on your TG788v v3

Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Printer Sharing**. The **Printer Sharing** page appears. If needed, switch **Enabled** to **ON** and click **Save**.



Printer Sharing

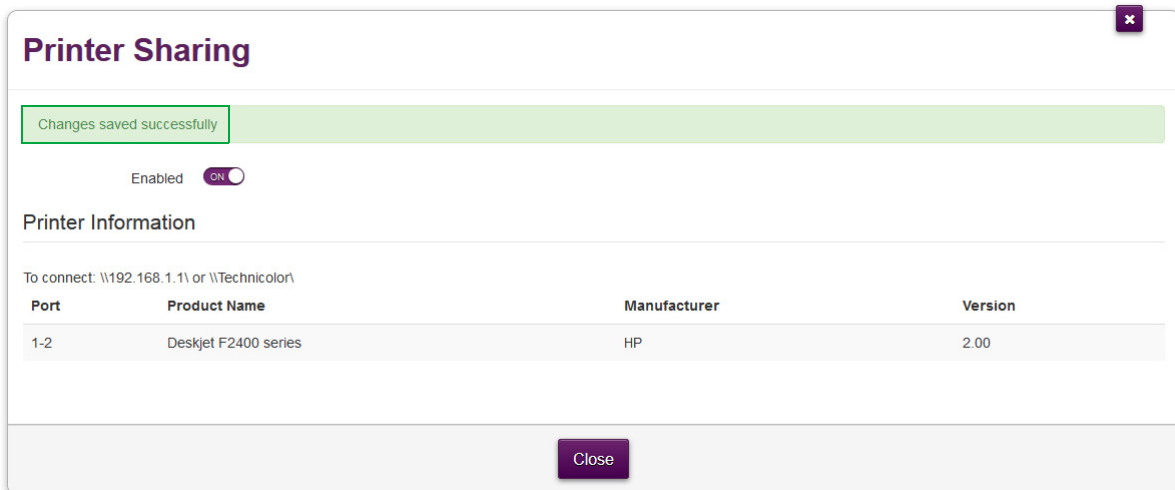
Enabled ☒

Printer Information

Port	Product Name	Manufacturer	Version
1-2	Deskjet F2400 series	HP	2.00

Cancel Save

- 3 The TG788v v3 prompts you that printer sharing was successfully enabled.



Printer Sharing

Changes saved successfully

Enabled ☒

Printer Information

To connect: \\192.168.1.1\ or \\Technicolor\

Port	Product Name	Manufacturer	Version
1-2	Deskjet F2400 series	HP	2.00

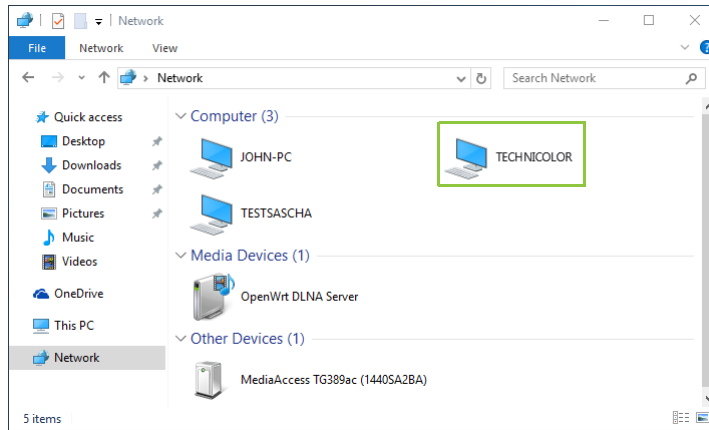
Close

5.2.3 Installing the printer on your computer

How to install a printer on Windows

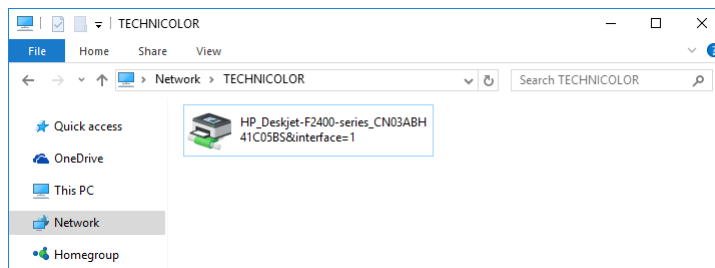
Proceed as follows:

- 1 Make sure that your computer is connected to the TG788v v3.
- 2 Open (File) Explorer and then click **Network**.
- 3 The **Network** window appears. Double-click **Technicolor**.



You can also access the device by entering \\192.168.1.1 in the address bar.

- 4 Your printer should now appear.



Double-click your printer.

- 5 Windows prompts you that it could not find a driver. Click **OK**.
- 6 Follow the instruction from Windows to select or install the correct driver.

6 Internet security

Overview

The TG788v v3 offers various options to secure your network and network connection:

Topic	Page
6.1 Site blocking	66
6.2 Access control	67
6.3 DMZ	68

6.1 Site blocking

Introduction

The **site blocking** function allows you to block access to specific websites.



To only block websites at specific times or days (e.g. no access to facebook.com after 22:00), use **Access Control** instead. For more information, see “6.2 Access control” on page 67.

Blocking sites

Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Parental Controls**. The **Site Blocking** page appears.

- 3 If needed, switch **Enabled** to **ON** and click **Save**.
- 4 For each site that you want to block, proceed as follows:
 - a Click **Add New Site**. The TG788v v3 adds a new row to the table.
 - b Under **Site**, type the URL of the site (e.g. facebook.com).
 - c Under **Device**, type either
 - The IP address of the device for which the exception is valid (for example, dad's computer).
 - You can also type in (a part of) the host name of the device. The TG788v v3 will then display a list of devices with such a host name. If you then click one of the results, the TG788v v3 will insert the corresponding IP address.
 - **All** (with capital A) if you want this exception to be valid for all devices.
 - d Click **+** (add). The site is now blocked.
- 5 Click **Close**.
- 6 Parental control is now active. When a user tries to access a blocked website, he will be redirected to a page that informs him that access to this website has been blocked.

6.2 Access control

Introduction

Access control allows you to create access schedules for **Internet** access.

By default, all devices that are connected to your local network have permanent access to the Internet without any restriction. Access control allows you to limit a device's access to the Internet to specific times and days.

Warning

Make sure that the persons using these devices are aware of the time schedule, to avoid the loss of data due to unexpected service interruption.

Creating an access control rule for a device

Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Parental Controls**. The **Site Blocking** page appears. Click the **Access Control** tab.
- 3 The **Access Control** page appears. Click **Add new rule**.
- 4 The access control settings appear.

Time of day access control

Enabled ☒

MAC address

Mode



Start Time

Stop Time

The DUT will block/allow all the time if none of the days are selected

Day of week ☐ Mon. ☐ Tue. ☐ Wed. ☐ Thu. ☐ Fri. ☐ Sat. ☐ Sun.



[+ Add New Rule](#)

- 5 Make sure that **Enabled** is selected.
- 6 In the **MAC address** box, type the MAC address of the device.
 You can also type in (a part of) the host name of the device. The TG788v v3 will then display a list of devices with such a host name. If you then click one of the results, the TG788v v3 will insert the corresponding MAC address.
- 7 In the **Mode** list, click
 - **Allow** if you want to specify at what time frames the device should have access the Internet.
 - **Block** if you want to specify at what time frames the device should **not** have access the Internet.
- 8 Enter the **Start Time** and **Stop Time** as h:mm (for example: **8:10**, **23:59**).
- 9 Next to **Day of week**, select the days of the week on which you want this rule to be applied.
- 10 Click  at the top right of the settings.

Managing existing access control rules

By removing the access control rule, the device will regain permanent access to the Internet.

Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Parental Controls**. The **Site Blocking** page appears. Click the **Access Control** tab.
- 3 The **Access Control** page appears. Click:
 -  to edit an existing rule.
 -  to delete an existing rule.

6.3 DMZ

Introduction


The TG788v v3 allows you to configure one local device as a De-Militarized Zone (DMZ) host. This means that:

- None of the TG788v v3 firewall rules will be applied to the DMZ host
- All traffic originating from the Internet will be forwarded to the DMZ host unless there is a specific port forwarding rule defined or automatically created for a specific type of traffic.

Use a static address for the DMZ host

Make sure that your DMZ host uses a static IP address (you choose a fixed IP address) instead of a dynamic IP address (the DHCP server assigns an IP address). If you use a dynamic IP address, the device might get a new IP address after some time and the port forwarding rule will no longer be applied to the device and another device may unexpectedly be acting as the DMZ host.

How to configure a device as DMZ host

- 1 Browse to the TG788v v3 web interface.
For more information, see *“4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.*
- 2 Click **WAN Services**. The **WAN services** page appears.
- 3 In the upper-right corner, click **show advanced**. The **DMZ** section appears.
- 4 Switch **Enabled** to .
- 5 In the **Destination** box, type the IP address of the device that you want to use as the DMZ host.
- 6 Optionally, you can make exceptions on the DMZ by creating port mappings to direct specific traffic to other devices. To do this, click **Add new port mapping** under **Port forwarding table**.
- 7 Click **Save**. DMZ is now active.

7 Telephony

Introduction

This chapter will help you to setup and use the telephone functions of your TG788v v3.



You can only use the telephone functions if telephony is included in your subscription.

Voice over IP (VoIP)

The TG788v v3 allows you to make phone calls via VoIP. VoIP is a technology in which telephone calls are made over the Internet. This allows you to save on communication costs, especially for long-distance calls.

With the TG788v v3 you can make VoIP calls using a regular phone.

In this chapter

This chapter covers following topics:

Topic	Page
7.1 Phone book	70
7.2 Viewing call logs	71

7.1 Phone book

Introduction

The **Phone book** page allows you to:

- Store your contacts centrally on the TG788v v3. These contacts can also be used by phones that support the shared address book feature.
- Initiate a call or send a message by clicking the phone number or e-mail address in the contact details.
- Assign short keys to phone numbers.

Everyone with access to the TG788v v3 web interface can view and use the address book.

Accessing the Address Book page




Proceed as follows:

- 1 Browse to the TG788v v3 web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Telephony**.
- 3 The **Telephony** page appears. Click the **Phone Book** tab.
- 4 The **Contacts** table appears.

For each **contact**, you can provide the following information:

- First name
- Last name
- Home number
- Mobile number
- Office number

- 5 If you want to:

- Edit an existing contact, click , edit the contact information and click .
- Add a new contact, click **Add new contact**, enter the contact information and click .

7.2 Viewing call logs

Introduction

The **Call Logs** page on the TG788v v3 web interface provides an overview of the last:

- Successful incoming calls
- Missed incoming calls
- Successful outgoing calls.
- Failed outgoing calls.

How to view the call logs

- 1 Browse to the TG788v v3 web interface.
For more information, see *“4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.*
- 2 Click **Telephony**.
- 3 The **Telephony** page appears. Click the **Call Log** tab.

8 Support

Introduction

This chapter suggests solutions for issues that you may encounter while installing, configuring or using your TG788v v3. If the suggestions do not resolve the problem, contact your service provider.

Topics


This chapter describes the following topics:

Topic	Page
<i>8.1 General TG788v v3 troubleshooting</i>	<i>73</i>
<i>8.2 Ethernet connection troubleshooting</i>	<i>74</i>
<i>8.3 Wireless connection troubleshooting</i>	<i>75</i>
<i>8.4 Reset to factory defaults</i>	<i>77</i>


8.1 General TG788v v3 troubleshooting

None of the LEDs light up (TG788v v3 does not work)


Make sure that:

- The TG788v v3 is plugged into a power socket outlet.
- You are using the correct power supply for your TG788v v3 device.
-  The power requirements for your TG788v v3 are clearly indicated on the identification label of the TG788v v3. Only use the power supply unit that is supplied with your TG788v v3.
- The TG788v v3 is turned on via the push button or rocker switch on the back panel.

The Broadband LED does not light up or is blinking

- Make sure that the DSL cable is correctly connected. For more information, see “2.2 Connecting your TG788v v3 to your service provider’s network” on page 15.
- Make sure that the DSL service is enabled on your telephone line. For more information, contact your Internet Service Provider.
- Check the **Broadband** settings on the web interface. Proceed as follows:
 - a Browse to the *TG788v v3 web interface*.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
 - b In the **Broadband** card header, make sure that the switch is in the  position.
 - c Click **Broadband** and then click **show advanced**. Make sure that the correct DSL type (**ADSL2+** or **VDSL**) is selected.
 - d Click **Switch connection mode**.
 - e After a few minutes the **Status** should switch to **Connected**. If needed, click **refresh data** first.

Internet LED is blinking red or off

- 1 Browse to the *TG788v v3 web interface*.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 In the **Internet** card header, make sure that the switch is in the  position.
- 3 Click **Internet** and then click **show advanced**. Make sure that **PPPoE routed mode** is selected.
- 4 Click **Switch connection mode**.
- 5 After a few minutes the **Status** should switch to **Connected**. If needed, click **refresh data** first.

TG788v v3 unreachable

If you cannot access your TG788v v3 via your web browser, you might consider a hardware reset as described in “8.4 Reset to factory defaults” on page 77.

8.2 Ethernet connection troubleshooting

Ethernet LED does not light up

Make sure that:

- The Ethernet cable is correctly connected to the Ethernet port on your TG788v v3 and your computer.
- You are using the correct cable type for your Ethernet equipment, which is at least UTP CAT5 with RJ-45 connectors.

8.3 Wireless connection troubleshooting

Cannot connect via WPS

If you have trouble connecting your wireless client via WPS, try one of the following:


- The WPS session only lasts 2 minutes, make sure to press the WPS button on both devices within this time slot.
- Wait until the WPS LEDs of the TG788v v3 and other devices are off and then try again.
- Move the devices closer to each other.
- Make sure that the wireless interface and WPS are enabled on the TG788v v3. Proceed as follows:
 - a Browse to the *TG788v v3 web interface*.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
 - b Click **Wireless**. The **Wireless** page appears.
 - c In the **Wireless** card header, make sure that the switch is **ON**.
 - d In the upper-right corner, click **show advanced**.
 - e Under **Access Point**, make sure that:
 - **Broadcast SSID** is switched to **ON**.
 - **WPS** is switched to **ON**.
 - **Security** mode is not **WEP**.
 - f If you made changes, click **Save**.

If the problem persists, configure your wireless client manually. For more information, see “3.2 How to manually connect a wireless client” on page 25.

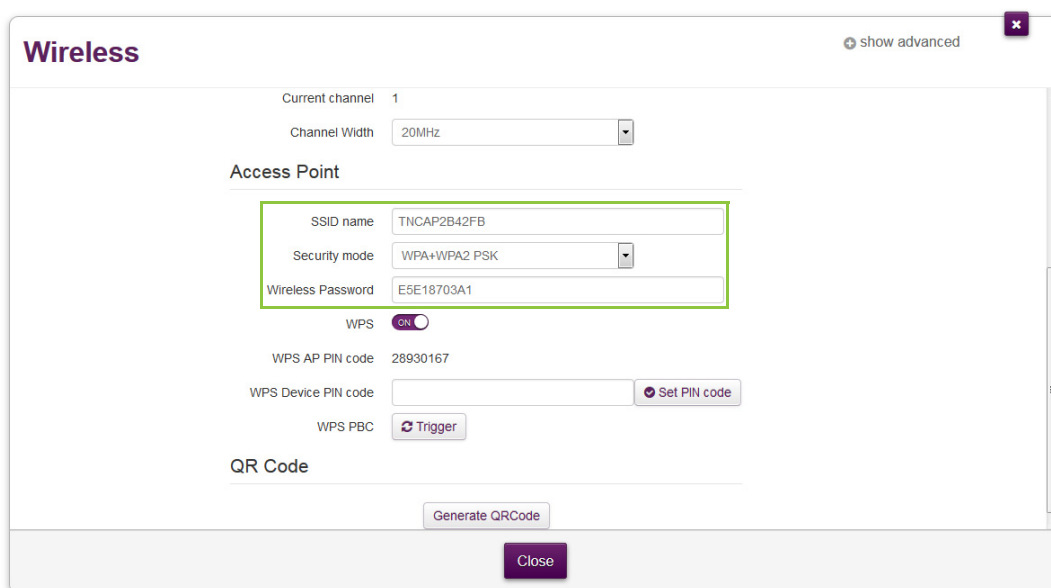
Forgot your wireless key?

If you have changed the wireless settings manually and you don't remember your settings, try one of the following:


- 1 Use a computer that is already connected to your network.



 If none of your computers is connected to the wireless network, connect one with an Ethernet cable. For more information, see “2.4 Connecting your wired devices” on page 17.
- 2 Browse to the web interface.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 3 Click **Wireless**. The **Wireless** page appears.
- 4 Under **Access Point**, you can find the network name (SSID) and wireless key (password).



The TG788v v3 does not appear in your wireless client's access point list

- Make sure that the TG788v v3 wireless interface is enabled.
 - a Browse to the *TG788v v3 web interface*.
For more information, see *"4.1.1 Accessing the TG788v v3 web interface from your local network" on page 33*.
 - b In the **Wireless** card header, make sure that the switch is  **ON**.
- If the signal is low or not available, try to reposition the TG788v v3 for optimal performance.
- *Change the wireless channel.*

The TG788v v3 access point no longer available

If you were able to connect in the past, but can't connect anymore:

- Make sure that the wireless client adapter is enabled (message like "radio on").
- Make sure that the wireless client is still using the correct wireless settings (network name (SSID), security settings).

Poor Wireless Connectivity or Range

Try the following:

- Check the signal strength, indicated by the wireless client manager. If the signal is low, try to reposition the TG788v v3 for optimal performance.
- *Change the wireless channel.*
- Use WPA(2)-PSK as encryption.
For more information, see *"3.3 Securing your wireless connection" on page 26*.

Change the wireless channel

Proceed as follows:

- 1 Browse to the *TG788v v3 web interface*.
For more information, see *"4.1.1 Accessing the TG788v v3 web interface from your local network" on page 33*.
- 2 Click **Wireless**. The **Wireless** page appears.
- 3 In the **Channel** list under **Interface**, click a channel other than displayed in **Current channel**.
- 4 Click **Save**.

8.4 Reset to factory defaults

Resetting your TG788v v3

If at some point you can no longer connect to the TG788v v3 or you want to make a fresh install, it may be useful to perform a reset to factory defaults.



A reset to factory default settings deletes all configuration changes you made. Therefore, after the reset a reconfiguration of your TG788v v3 will be needed.

Also your wireless clients will have to be re-associated, as described in “3 Wireless networking” on page 22.

Methods

You can choose between:

- *Resetting the TG788v v3 via the web interface*
- *Reset the TG788v v3 via the Reset button*

Resetting the TG788v v3 via the web interface

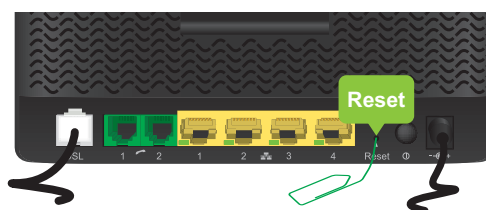
Proceed as follows:

- 1 Browse to the *TG788v v3 web interface*.
For more information, see “4.1.1 Accessing the TG788v v3 web interface from your local network” on page 33.
- 2 Click **Gateway**. The **Gateway** page appears.
- 3 Click **Reset**.
- 4 The TG788v v3 restores the factory default configuration and restarts.

Reset the TG788v v3 via the Reset button

Proceed as follows:

- 1 Make sure the TG788v v3 is turned on.
- 2 Push the **Reset** button for at least 7 seconds and then release it.



- 3 The TG788v v3 restarts.



Your system administrator may have disabled the physical reset button of the TG788v v3. In this case, a hardware reset to defaults is not possible.

Restore your settings

If you previously backed up your configuration, you can now restore this configuration on your TG788v v3.

For more information, see “4.4 Backing up/restoring your configuration” on page 56.

