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SETUP AND USER GUIDE

MediaAccess TG788vn v2

SETUP AND USER GUIDE

MediaAccess TG788vn v2

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Document Information

CONTENTS

About this Setup and User Guide

In this Setup and User Guide

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

- Set up your MediaAccess Gateway and local network
- Configure and use the main features of your MediaAccess Gateway.

For more advanced scenarios and features visit the documentation pages on www.technicolor.com.

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.

Terminology

Generally, the MediaAccess TG788vn v2 will be referred to as MediaAccess Gateway in this Setup and User Guide.

Typographical Conventions

Following typographical convention is used throughout this manual:

- This sample text indicates a hyperlink to a Web site.

  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 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

3

Introduction

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

 Do not connect any cables to the MediaAccess Gateway until instructed to do so.

1.1 Features at a Glance

Introduction

This section provides a brief overview of the main features of your MediaAccess Gateway.

IPv6 Ready

Your MediaAccess Gateway is IPv6 ready. Internet Protocol version 6 (IPv6) is the next generation of Internet technologies aiming to effectively support the ever-expanding Internet usage and functionality, and also to address security concerns that exist in an IPv4 environment.

Internet connection features

- **Broadband Internet access** via the integrated DSL modem.
  The first chapters describe how to connect your MediaAccess Gateway to the Internet.
- **3G (Fall-back) High-speed Internet Access** via the optional mobile USB adaptor.
  For more information, see *"3.5 Setting Up the 3G Fall-Back WAN Connection" on page 27*.
- **Internet Security** for your entire network.
  For more information, see *"10 Internet Security" on page 91*.
- **Useful network tools** like *UPnP*, *Dynamic DNS* and many more.
  For more information, see *"9 Network Services" on page 77*.

Local networking features

- **Wired access** for your local network devices via the Ethernet interface.
  For more information, see *"3.3 Connecting Your Network Devices to the MediaAccess Gateway" on page 23*.
- **Wireless access** for your local network devices via the integrated IEEE 802.11n wireless access point.
  For more information, see *"5 The MediaAccess Gateway Wireless Access Point" on page 39*.
- An **Integrated Media Server** allowing you to share your media with media players and other network devices. For more information, see *"8 Sharing Content" on page 63*.

Telephony features

The MediaAccess Gateway offers **Voice over IP** (VoIP) connectivity for traditional phones and IP phones.
For more information see *"6 Telephony" on page 47*

ECO label

Technicolor's ECO label guarantees you that the MediaAccess Gateway is able to reduce its power consumption to an absolute minimum. For more information, see *"7 Saving Energy" on page 59*.

MediaAccess Gateway configuration tools

- The **MediaAccess Gateway** Setup CD allows you to configure your MediaAccess Gateway and helps you to connect your computers to the MediaAccess Gateway.
- The **MediaAccess Gateway GUI** allows you to configure your MediaAccess Gateway via your web browser.
  For more information, see *"4.1 MediaAccess Gateway GUI" on page 32*.

1.2 Components

Overview

This section provides an overview of the different components of the MediaAccess Gateway:

1.2.1 Power

Overview

Power inlet

The power inlet (+ -◉- -) allows you to connect the power supply.

⚠️ Only use the power supply delivered with your MediaAccess Gateway.

Power switch

The power switch (⏻) allows you to power on/off your MediaAccess Gateway.

1.2.2 Local Network Connection

Overview
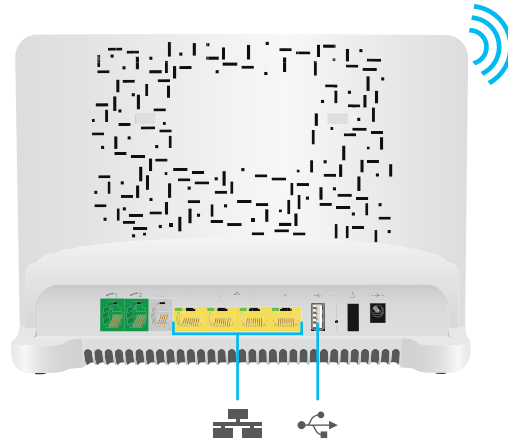
Wireless Access Point

The built-in WiFi-certified wireless access point provides wireless access to your WiFi-certified wireless clients.

For more information, see *"5 The MediaAccess Gateway Wireless Access Point" on page 39*.

Ethernet switch

The Ethernet switch (⊞) allows you to connect an Ethernet device (for example, a computer) to your local network. For more information, see *"3.3 Connecting Your Network Devices to the MediaAccess Gateway" on page 23*.

A LED may be provided per Ethernet port to indicate link integrity (or activity).

LED Status	Description
Solid on	Device connected.
Blinking	Device connected and sending/receiving data.
Off	No device connected.

USB Port

The USB port (⇆) can be used to:

- Connect a USB mass storage device to **share your content** (for example, music, movies,...):
  - ‣ On your local network via the **Network File server** or the **UPnP AV Media Server**.
  - ‣ On Internet via **FTP**.

  For more information, see *"8 Sharing Content" on page 63*.

- Connect a 3G mobile adaptor to set up a 3G connection that can work as a backup for your main Internet connection. For more information, see *"3.5 Setting Up the 3G Fall-Back WAN Connection" on page 27*.

1.2.3 Broadband Connection

Overview

DSL
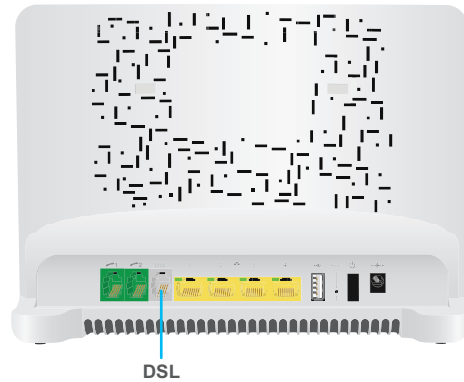
DSL port

This port can be used to connect your MediaAccess Gateway to your service provider's DSL network.

For more information, see *"3.1 Connecting the MediaAccess Gateway to your Service Provider's Network" on page 20*.

1.2.4 Voice Connection

Overview
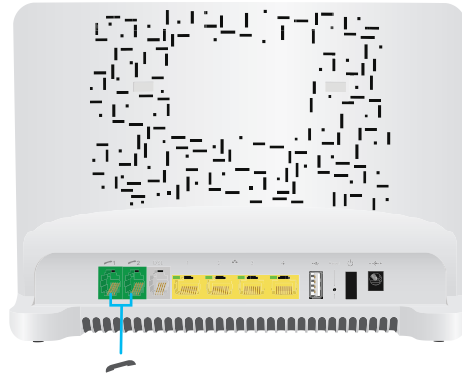
Phone Port

The **Phone** (![phone icon]( )) port allows you to connect a traditional phone to your MediaAccess Gateway. This way you will be able to make phone calls over the Internet and save on communication costs, especially for long-distance calls.

For more information, see *"6.1 Setting Up Your Telephone Network" on page 48*.

1.2.5 Buttons

Overview

Reset
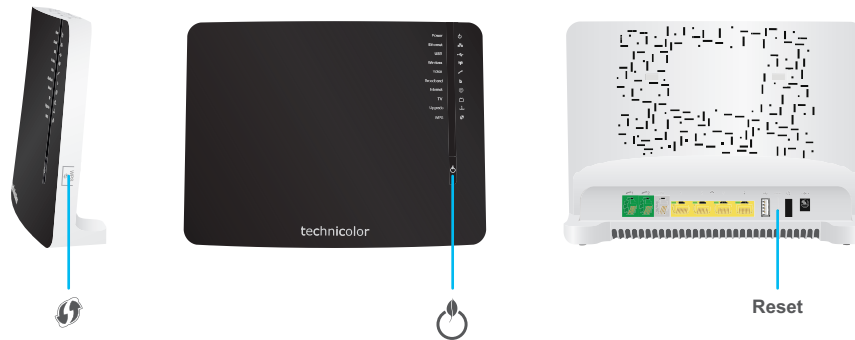
WPS button

The WPS ( ) button allows you to add new wireless clients to your network in a swift and easy way, without the need to enter any of your wireless settings manually.

For more information, see *"5.1 Connecting Your Wireless Client via WPS" on page 40*.

ECO button

The **ECO** ( ) button allows you to disable your wireless access point. You can do this when you do not have any devices that are connected to the wireless access point. This allows you to save the energy that the MediaAccess Gateway would be using for the wireless access point. For more information, see *"ECO button" on page 62*.

Reset button

The Reset button allows you to reset your MediaAccess Gateway to factory defaults.

For more information, see *"11.7 Reset to Factory Defaults" on page 110*.

DMS-CTC-20120510-0000 v1.0

1.2.6 Status LEDs

Introduction

On the front panel of your MediaAccess Gateway, you can find a number of status LEDs, indicating the state of the device.
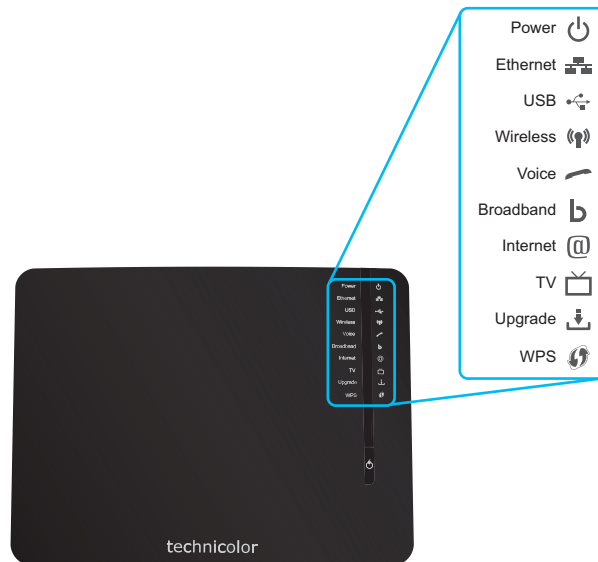
Power LED

Colour	State	Description
Green	Solid on	Power on, normal operation
	Blinking	Bootloader active (during upgrade)
Red	Solid on	Power on, self-test failed, indicating device malfunction
Orange	Solid on	Bootloader selftest
	Blinking	Bootloader active (during upgrade)
Off		The MediaAccess Gateway is powered off.

Ethernet LED

Colour	State	Description
Green	Solid on	Network device connected to the Ethernet switch.
	Blinking	Network device connected to the Ethernet switch and sending/receiving data.
Off		No Ethernet connection on your local network

USB LED

Colour	State	Description
Green	Solid on	Device(s) connected to the MediaAccess Gateway's USB port
Off		No device connected to the MediaAccess Gateway's USB port

Wireless LED

Colour	State	Description
Green	Solid on	No wireless activity, WPA2-PSK or WPA-PSK encryption
	Blinking	Wireless activity, WPA2-PSK or WPA-PSK encryption
Orange	Solid on	No wireless activity, WEP encryption
	Blinking	Wireless activity, WEP encryption
Red	Solid on	No wireless activity, no security
	Blinking	Wireless activity, no security
Red/green	Toggling	Wireless client registration phase
Off		Wireless access point disabled

Broadband LED

Colour	State	Description
Green	Solid on	DSL line synchronised
	Blinking	Trying to detect carrier signal or pending DSL line synchronisation
Off		MediaAccess Gateway 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	Solid on	Failed to setup the Internet connection
Off		No Internet connection

TV LED

Colour	State	Description
Green	Solid on	Set-Top Box (STB) connected to the MediaAccess Gateway
	Blinking	Unknown STB connected to the MediaAccess Gateway
Off		No STB connected to the MediaAccess Gateway

Phone LED

Colour	State	Description
Green	Solid on	Registered at your VoIP provider, no activity.
	Blinking	Registered at your VoIP provider, activity.
Off		Not registered to your VoIP provider.

Upgrade LED

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

> ⚠️ Do not power off your MediaAccess Gateway or disconnect any cables as long as the **Upgrade** LED is on. Interrupting the upgrade procedure may damage your MediaAccess Gateway.

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 *"5.1 Connecting Your Wireless Client via WPS" on page 40*.

1.3   Preparing for the Installation

DSL service requirements

Make sure that:

- Your service provider activated the DSL service on your telephone line by your service provider.

- You have the installation information (for example, user name, password, service profile,...) provided by your service provider at hand.

Local connection requirements

Wireless connection

If you want to connect your computer using a wireless connection, your computer must be equipped with a WiFi-certified wireless client adapter.

Wired connection

If you want to connect a computer using a wired connection, your computer must be equipped with an Ethernet Network Interface Card (NIC).

Start with the installation

You are now ready to start with the installation of your MediaAccess Gateway.

2   Guided Installation

Introduction

In the guided installation, the Setup wizard on the Setup CD will assist you with the installation of your MediaAccess Gateway.

If you do not want to use the Setup CD or if the Setup CD is not included in your package, follow the installation procedure described in *"3 Manual Installation" on page 19*.

Requirements

To use the guided installation you must comply with the following requirements:

■ Your computer must run one of the following operating systems:

▸ Microsoft Windows 7 and higher

▸ Microsoft Windows 7 x64 and higher

▸ Microsoft Windows Vista and higher

▸ Microsoft Windows XP Service Pack 2 (SP2) and higher

▸ Mac OS X 10.6 (Snow Leopard)

▸ Mac OS X 10.5 (Leopard)

▸ Mac OS X 10.4 (Tiger)

■ You must have administrative rights on your computer.

If you do not comply with these requirements, use the *"3 Manual Installation" on page 19*.

Running the Setup wizard

To start the Setup wizard:

1   Insert the Setup CD into your computer's CD- or DVD drive.

2   If your computer runs:

▸ Microsoft Windows: The Setup CD starts automatically.
  If the Setup CD does not autostart, see *"The Setup CD does not start automatically" on page 104*.

▸ Mac OS X: Double-click **Menu** in the window with the content of the Setup CD.

3   Select the language of your choice and click **OK**.

4   The Setup wizard will now guide you through the installation of your MediaAccess Gateway.

5 At the end of the installation, the following screen appears:
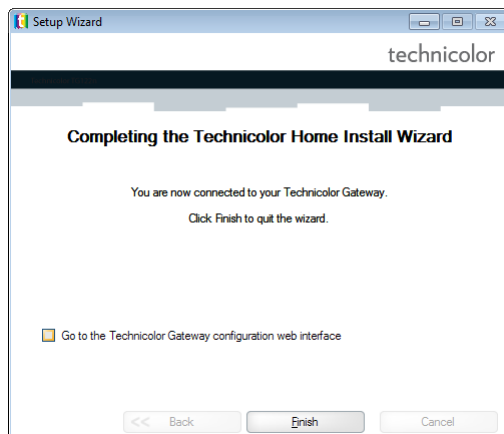
Select **Go to the Technicolor Gateway web interface** if you want to go to the *MediaAccess Gateway GUI* after closing the wizard. On the *MediaAccess Gateway GUI*, you can configure all services of your MediaAccess Gateway.

6 Click **Finish**.

7 The **CD menu** appears.

CD Menu
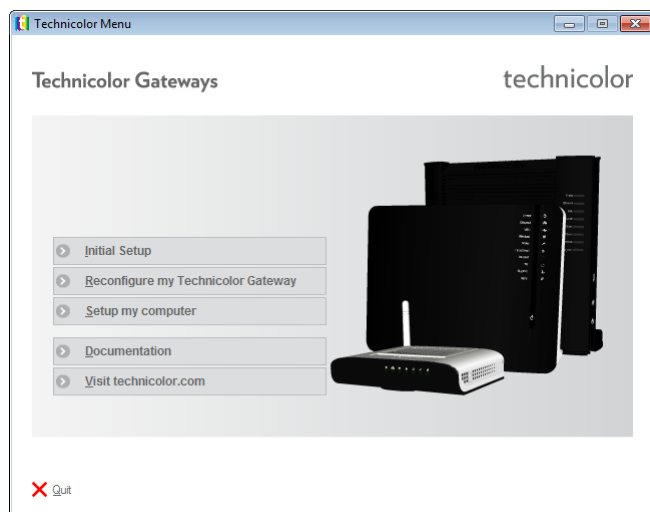
On the **CD Menu**, you can click:

- **Initial Setup** to connect your computer to the MediaAccess Gateway and configure your local network.

- **Reconfigure my Technicolor Gateway** to fully reconfigure your MediaAccess Gateway.

    If you reconfigure your MediaAccess Gateway via the **CD menu**, the MediaAccess Gateway will be reconfigured from scratch. All your current settings will be lost. If you only want to make small changes to your configuration (for example, changing the security), we recommended you to do this via the *MediaAccess Gateway GUI*. For more information, see *"4.1 MediaAccess Gateway GUI" on page 32*.

- **Setup my computer** to connect your computer to the MediaAccess Gateway network.

- **Documentation** to view a list of the documentation that is available for your MediaAccess Gateway.

- **Visit technicolor.com** to visit the online support sections.

    Actual available items depend on the Setup CD delivered with your MediaAccess Gateway.

In case of problems

If you encounter problems during this installation please refer to *"11.1 Setup Troubleshooting" on page 104*.

Backup your configuration

Once you successfully installed your MediaAccess Gateway, it is recommend to backup your configuration. This will allows you to return to this configuration when needed (for example, after misconfiguration).

For more information, see *"4.2 Backing Up/Restoring your Configuration" on page 37*

3 Manual Installation

Installation

This chapter will help you to manually install your MediaAccess Gateway.

Setting up your network

Proceed as follows:

1   Connect your MediaAccess Gateway to your service provider's network.
    For more information, see *"3.1 Connecting the MediaAccess Gateway to your Service Provider's Network" on page 20*.

2   Power on the MediaAccess Gateway.
    For more information, see *"3.2 Powering on the MediaAccess Gateway" on page 22*.

3   Connect your computer to the MediaAccess Gateway.
    For more information, see *"3.3 Connecting Your Network Devices to the MediaAccess Gateway" on page 23*.

4   Configure your MediaAccess Gateway.
    For more information, see *"3.4 Configure the MediaAccess Gateway" on page 26*.

5   Connect your phones.
    For more information, see *"6 Telephony" on page 47*.

6   Share your content or media on your local network, continue with *"8 Sharing Content" on page 63*.

7   If you purchased the mobile USB adapter, setup the 3G backup connection.
    For more information, see *"3.5 Setting Up the 3G Fall-Back WAN Connection" on page 27*.

8   Once you successfully installed your MediaAccess Gateway, it is recommend to backup your configuration. This will allows you to return to this configuration when needed (for example, after misconfiguration). For more information, see *"4.2 Backing Up/Restoring your Configuration" on page 37*.

3.1 Connecting the MediaAccess Gateway to your Service Provider's Network

Introduction

This section helps you to connect the MediaAccess Gateway to your service provider's network.

Signal arriving at your home

The **Line** signal that arrives at your home consists the following components:

- A **Phone** signal carrying the traffic for telephony.

  This **Phone** signal is only used for communication over the traditional telephone network (PSTN). Voice over IP communication will be carried by the **DSL** signal.

- A **DSL** signal carrying the Internet traffic.

DSL Gateways have a built-in solution to remove the **Phone** component. No additional devices are needed, you can connect them directly to the **Line**.

Telephones do not have this capability, so here you have to use a filter or splitter to remove the **DSL** signal.

What does a filter/splitter look like

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

Filter/Splitter
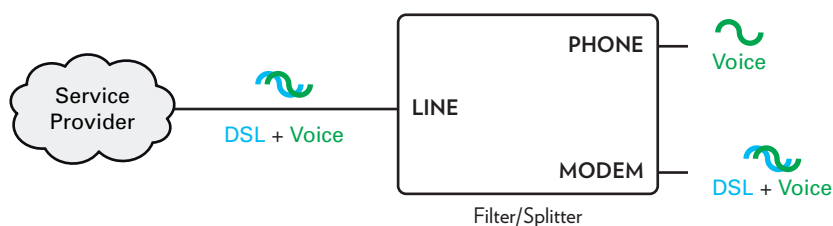
- A **Line** input
  This connector must be connected to the input signal that needs to be filtered.

- A **Phone/PSTN** output
  This connector offers filtered output signal. It only contains the **Voice** component and can only be used for connecting phones.

- A **Modem/DSL** output (optional)
  This connector offers unfiltered output. It contains both the **Phone** and **DSL** signal and can be used to connect your MediaAccess Gateway.

Connecting the cables

The procedure to be followed depends on the fact if this filter has been integrated into your MediaAccess Gateway or not.

Check the label of your MediaAccess Gateway. If the product name contains:

- "wIF" (for example MediaAccess TG788vn v2 **wIF**) then your MediaAccess Gateway has an integrated filter. No external filters are needed. Follow the steps described in *"Scenario 2: A MediaAccess Gateway without integrated filter" on page 21*.

- **No** *"wiF"* (for example MediaAccess TG788vn v2) then your MediaAccess Gateway does **not** have an integrated filter. Follow the steps described in *"Scenario 2: A MediaAccess Gateway without integrated filter" on page 21*.

Scenario 1: A MediaAccess Gateway with integrated filter

Proceed as follows:

1 Take the DSL cable. This is the gray cable that is included in your box.

2 Plug one end of the cable in the grey **DSL** port on the back of your MediaAccess Gateway.

DSL
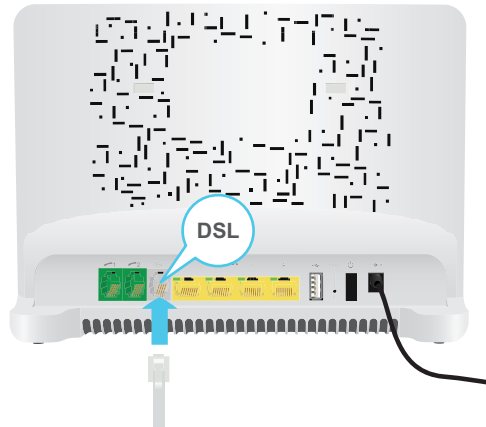
3 Plug the other end of the cable:

▸ In the **DSL/Modem** output of your **splitter/filter**.

▸ Directly into the telephone wall outlet if there is no **splitter/filter** between the network terminator and your local phone network.

Scenario 2: A MediaAccess Gateway without integrated filter

Proceed as follows:

1 Take the DSL cable. This is the grey cable that is included in your box.

2 Plug one end of the cable in the grey **DSL** port on the back of your MediaAccess Gateway.

DSL
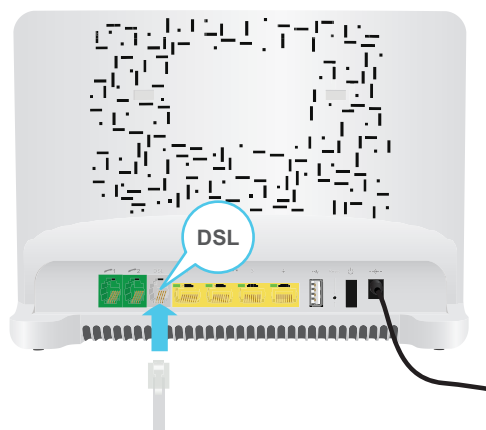
3 Plug the other end of the cable into the **DSL/MODEM** output port of your filter/splitter.

3.2 Powering on the MediaAccess Gateway

Procedure

Proceed as follows:

1 Connect the power cord to the power port of the MediaAccess Gateway.

2 Plug the other end of the power cord into an electrical outlet.

3 Press the power button to turn on the MediaAccess Gateway.

4 Wait at least two minutes to allow the MediaAccess Gateway to complete the start up phase.

3.3 Connecting Your Network Devices to the MediaAccess Gateway

Choose your connection method

To connect your device via:

■ A wireless connection, continue with *"3.3.1 Setting up a Wireless Connection" on page 24*.

■ A wired connection, continue with *"3.3.2 Setting up a Wired Connection" on page 25*.

3.3.1 Setting up a Wireless Connection

The MediaAccess Gateway access point

Your MediaAccess Gateway is equipped with a wireless access point that supports the following standards:

- IEEE 802.11n
- IEEE 802.11g
- IEEE 802.11b

Requirements

Your network device must be equipped with a WiFi-certified wireless client.

Connection speed

When setting up your wireless network, keep in mind that the following factors may have a negative impact on your wireless connection speed:

- The obstacles (walls, ceilings,...) between the wireless client and the access point.
- Distance between the wireless client and the access point.
- To fully benefit from the improved connection speed offered by the IEEE 802.11n standard, it is recommended to only connect IEEE 802.11*n* wireless clients to your MediaAccess Gateway. Connecting older (for example, IEEE 802.11g) wireless clients may also slow down connection speed of the IEEE 802.11n capable clients.

If you have problems with your wireless performance, see *"Poor Wireless Connectivity or Range" on page 107*.

To set up a wireless connections

For more information on how to setup a wireless connection between your network device and your MediaAccess Gateway, see *"5 The MediaAccess Gateway Wireless Access Point" on page 39*.

3.3.2 Setting up a Wired Connection

Requirements

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

Ethernet cable

In your package, you will find a cable with yellow connectors. This is the Ethernet cable.

Procedure

Proceed as follows:

1 Connect one end of the Ethernet cable to one of the *yellow* Ethernet ports of your MediaAccess Gateway:
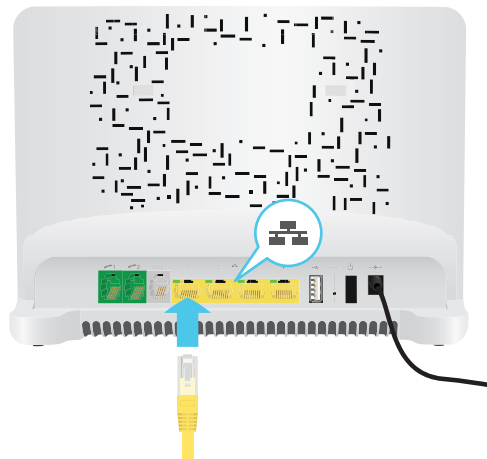
2 Connect the other end of the Ethernet cable to your network device.

⚠ The MediaAccess Gateway does not support Power over Ethernet (PoE). All network devices that are connected to the MediaAccess Gateway must be powered by their own power source.

3 Your network device is now connected to your network. No additional configuration is needed unless specified by your service provider.

3.4 Configure the MediaAccess Gateway

Introduction

If your service provider did not preconfigure your MediaAccess Gateway, you may have to configure the MediaAccess Gateway via its Graphical User Interface (GUI).

Requirements

JavaScript must be enabled on your web browser (this is the default setting). For more information, consult the help of your web browser.

Procedure

Proceed as follows:

1 Open your web browser.

2 The MediaAccess Gateway informs you that you have not yet configured your MediaAccess Gateway.

> **Welcome...**
>
> Congratulations on purchasing this Technicolor Gateway business gateway.
> You are currently not connected to the Internet, click on the task below to continue.
>
> ❯ Set up my Technicolor Gateway
>
> http://www.google.com

If this window does not appear, browse to http://dsldevice.lan or to the IP address of your MediaAccess Gateway (by default: 192.168.1.254) and click **Technicolor Gateway** on the menu on the left-hand side.

3 Click **Setup my Technicolor Gateway**.

4 The **Easy Setup** wizard appears. This wizard will guide you through the configuration of your MediaAccess Gateway. Click **Next** and follow the instructions.

3.5 Setting Up the 3G Fall-Back WAN Connection

Introduction

Many SOHO (Small Offices, Home Offices) and SME (Small/Medium Enterprises) businesses choose DSL as their access technology for a Wide Area Network (WAN) connection because this is typically cheaper than using leased lines. A dropout of a DSL line can however have expensive consequences due to inaccessibility of the Internet and E-mail. Therefore backup solutions are available that provide an alternative path when the DSL line is down.

For example it is possible to switch to 2G / 3G mobile access technologies such as GPRS, UMTS, HSDPA, HSUPA, HSPA+, WIMAX and LTE when internet connectivity is not available via the main WAN connection. By plugging a mobile USB adapter into one of the USB ports of your MediaAccess Gateway, IP connectivity via a 2G / 3G network becomes possible.

3G is an umbrella-term to indicate the third generation mobile telephony technology. The services associated with 3G provide the ability to transfer both voice data and non-voice data. 3G networks are the successors of the 2G networks, such as the GSM networks and provide new services and higher data transfer speeds.

What do I need?

To start using 2G / 3G as a connection on the MediaAccess Gateway, you need:

- A mobile USB adapter

    ⚠ Only use the mobile USB adapters provided by your service provider.

- A registered Security Identity Module (SIM) card.

Configure 2G / 3G as WAN connection

Proceed as follows:

1 Configure your mobile connection.
For more information, see *"3.5.1 Managing your Mobile Connection with the MediaAccess Gateway GUI" on page 28*.

2 Insert your mobile USB adapter.
For more information, see *"3.5.2 Inserting a Mobile USB Adapter" on page 29*.

3 Now your mobile connection is up and ready to use.

⚠ If you need to remove your mobile USB adapter, make sure the MediaAccess Gateway is powered off first.

Result

MediaAccess Gateway will automatically enable your 3G backup connection when **both** of the following conditions are met:

- The main Internet connection has been unavailable for at least 60 seconds.

- The MediaAccess Gateway received a request to access the Internet (for example, when browsing to an Internet web site).

The MediaAccess Gateway will automatically disable the 3G connection in **either** of the following cases:

- The main Internet connection is available again. In this case the MediaAccess Gateway switches back to the main Internet connection.

- No Internet traffic has been detected during the last 10 seconds. For example, you finished surfing the Internet.

3.5.1 Managing your Mobile Connection with the MediaAccess Gateway GUI

Introduction

You can view and manage the parameters of your mobile connection via the MediaAccess Gateway GUI.

Procedure

To manage your mobile USB connection via the MediaAccess Gateway GUI:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"4.1.1 Access" on page 33*.

2 On the **Broadband Connection** menu, click **Internet Services**.

3 Click **View more...** for the mobile USB connection. The **Overview** page of the mobile USB connection is shown.

4 In the location bar, click **Configure**. The **Configure** page of the mobile connection appears.
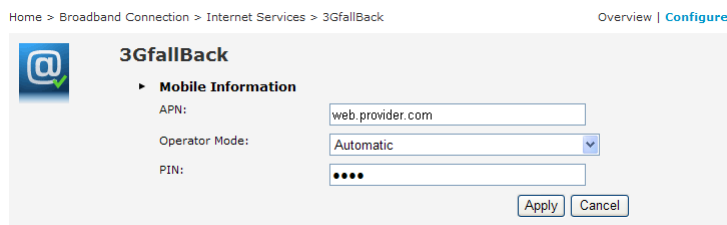
5 Under **Mobile Information**, update the following fields if necessary:

▸ **APN**:
The public APN used to access the Internet, or the private APN to access a local network.

▸ **Operator Mode**:
2G / 3G / automatic (let the MediaAccess Gateway choose the best operator mode)

▸ **Pin**:
The PIN code of your SIM card.

6 Click **Apply** to apply your configuration changes.

ⓘ   Configuration changes via the MediaAccess Gateway GUI are automatically saved.

3.5.2 Inserting a Mobile USB Adapter

Procedure

Once the mobile connection is configured you can proceed as follows to insert the mobile USB adapter:

1 Power off the MediaAccess Gateway.

> ⚠ If you do not power off the MediaAccess Gateway first, the mobile USB adapter will not be detected.

2 Insert your SIM card into the mobile USB adapter.

3 Plug the mobile USB adapter in (one of) the USB port(s) of your MediaAccess Gateway:
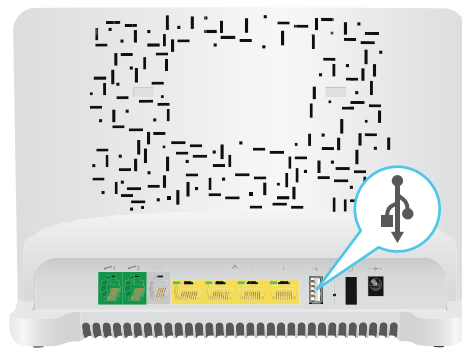
4 Power on the MediaAccess Gateway.

4 Configuration Tools

Configuration Tools

You can use the following tools to configure your MediaAccess Gateway:

- The **MediaAccess Gateway** Setup CD allows you to configure your MediaAccess Gateway and helps you to connect your computers to the MediaAccess Gateway. For more information, see *"2 Guided Installation" on page 15*.

- The **MediaAccess Gateway GUI** allows you to configure your MediaAccess Gateway via your web browser. For more information, see *"4.1 MediaAccess Gateway GUI" on page 32*.

4.1 MediaAccess Gateway GUI

Introduction

The MediaAccess Gateway Graphical User Interface (GUI) allows you to configure your MediaAccess Gateway using your web browser.

Requirements

JavaScript must be enabled on your browser (this is the default setting). For more information, consult the help of your web browser.

4.1.1 Access

Accessing the MediaAccess Gateway GUI

Proceed as follows:

1 Open your web browser.

2 Browse to http://dsldevice.lan or to the IP address of your MediaAccess Gateway (by default: 192.168.1.254).

3 If you have protected your MediaAccess Gateway with a user name and password, the MediaAccess Gateway will prompt you to enter these. Enter your user name and password and click **OK**.

> For more information, see *"4.1.3 Protecting Access to the MediaAccess Gateway" on page 36*.

4 The *MediaAccess Gateway GUI* appears.
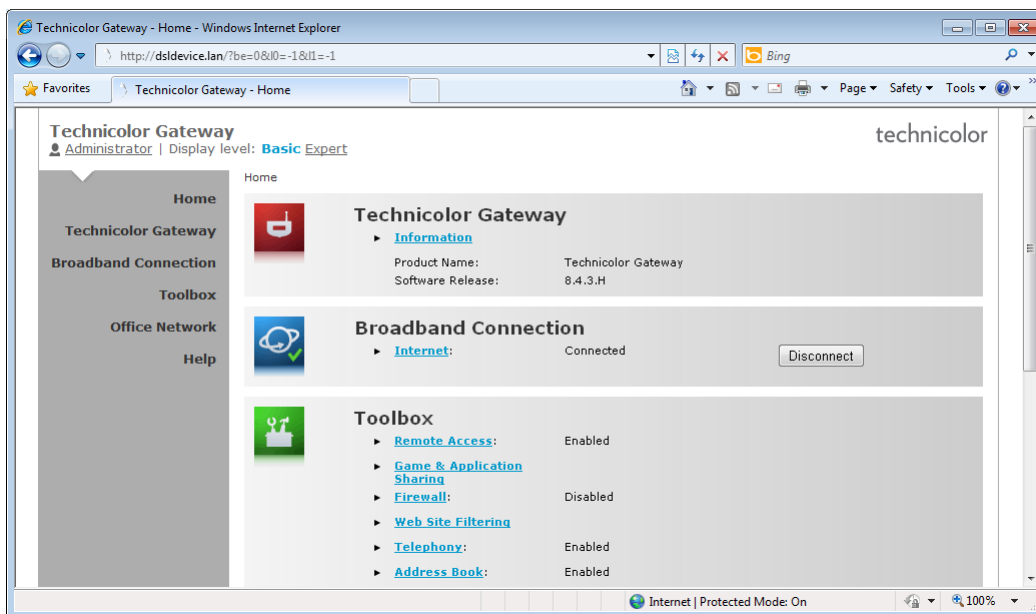
Access the MediaAccess Gateway via UPnP

You can also access the MediaAccess Gateway GUI using the Internet Gateway Device (IGD) icon if your computer runs one of the following operating systems:

- Microsoft Windows 7

- Microsoft Windows Vista

- Microsoft Windows XP

For more information, see *"9.1 UPnP" on page 78*.

Remote access

It is also possible to access the MediaAccess Gateway GUI from the Internet. For more information, see *"4.3 Access From the Internet" on page 38*.

4.1.2 Components

Overview

Depending on your user right and location on the GUI, the following components can be available:
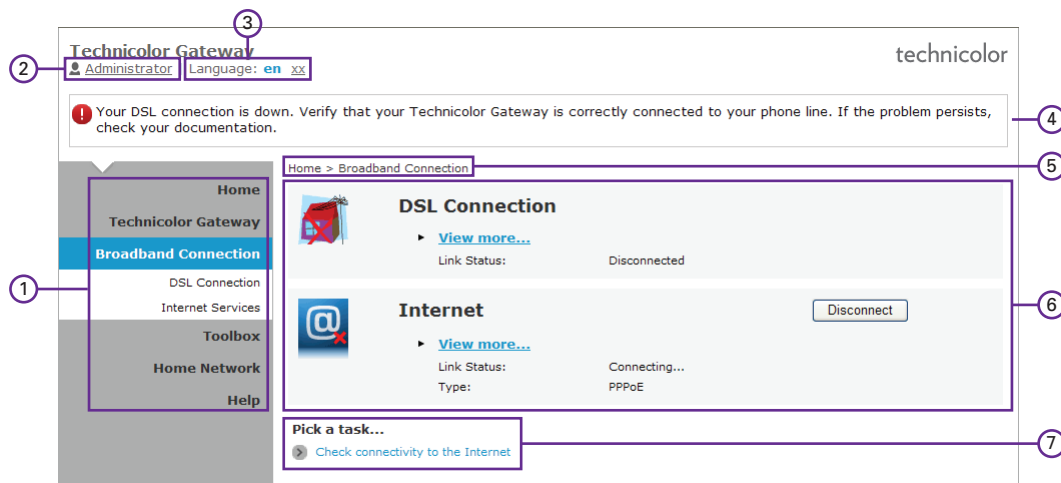
Label	Description
1	*Menu*
2	*Login section*
3	*Language bar*
4	*Notification area*
5	*Navigation bar*
6	*Content pane*
7	*Tasks pane*

Menu

The menu consists of the following menu items:

- **Home:**
  Allows you to go back to the MediaAccess Gateway home page.

- **Technicolor Gateway**:
  Provides basic information on the MediaAccess Gateway.

- **Broadband Connection**:
  Allows you to view/configure your broadband connections.

- **Toolbox**:
  Allows you to configure the network services and security settings of your MediaAccess Gateway.

- **Home Network**:
  Allows you to manage your local network.

- **Help:**
  Allows you to view context-related help information.

Each of these items contain a number of sub-menu items.

Login section

In the login section you can see the current user name.

By clicking the user name, you can:

- Change your password.
- Switch to another user.

Language bar

If more than one GUI language is available, a language bar is showed. This language bar allows you to change the language of the MediaAccess Gateway GUI.

Notification area

The notification area displays:

- Error messages, indicated by a red traffic light.
- Warning messages, indicated by an orange traffic light.
- Information messages, indicated by a green traffic light.

> If none of these events occur, the notification is not shown.

Navigation bar

The Navigation bar displays your current position in the *MediaAccess Gateway GUI*.

Some page are available in different configuration levels. These pages have additional links (for example, **Overview**, **Configure**) in the right part of the navigation bar that allow you to switch between the configuration levels.

Content pane

The content pane displays the information and configurable items of the selected item.

Tasks pane

To allow a quick configuration of your MediaAccess Gateway, some pages may offer you a number of related tasks in the **Pick a task** list. These tasks will guide you to the page where you can perform the selected task.

4.1.3 Protecting Access to the MediaAccess Gateway

Introduction

To prevent that every user on your local network can access the MediaAccess Gateway, the MediaAccess Gateway is secured with a user name and password.

Default user name

The default user name is **Administrator**.

Default password

The default password is either blank or the **ACCESS KEY** printed on the label of your MediaAccess Gateway. This depends on the settings chosen by your Service Provider.

It is recommended to change the default password settings.

Choose a password that your can easily remember or write it down. If you forget your password the only option is to reset your MediaAccess Gateway. For more information, see *"11.7 Reset to Factory Defaults" on page 110*.

Protected items

The following items are protected by these is will secure access to:

- The MediaAccess Gateway GUI.
- The embedded FTP Server.
  for more information, see *"8.3 The FTP Server" on page 72*.

How to change your password

Proceed as follows:

1 On the **Toolbox** menu, click **User Management**.

2 In the **Pick a task** list, click **Change my password**.

3 Enter your new password and click **OK**.

4 Your new password is now active. The next time that you log on to the *MediaAccess Gateway GUI* you will have to enter this password.

This password will also be used by the network file server and FTP server.

For more information about the network file server and FTP server, see *"8 Sharing Content" on page 63*

4.2 Backing Up/Restoring your Configuration

Introduction

Once you have configured your MediaAccess Gateway to your needs, it is recommended to backup your configuration for later use. This way you can always return to your working configuration in case of problems.

Backing up your configuration

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Technicolor Gateway** menu, click **Configuration**.

3 In the **Pick a task** list, click **Save or Restore Configuration**.

4 Under **Backup current configuration**, click **Backup Configuration Now**.

5 The MediaAccess Gateway prompts you to save your backup file.

6 Save your file to a location of your choice.

> ⚠ Do not edit the backup files, this may result in corrupt files making them worthless as configuration backup.

Restoring your configuration

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Technicolor Gateway** menu, click **Configuration**.

3 In the **Pick a task** list, click **Save or Restore Configuration**.

4 Under **Restore saved configuration**, click **Browse** and open your backup file.

> ℹ Backup files usually have**.ini** as extension.

5 The MediaAccess Gateway restores your configuration.

4.3 Access From the Internet

Modes

To access your MediaAccess Gateway from the Internet, you can choose between two modes:

■ **Permanent Mode (Remote Access):**
The remote session ends when you disable remote assistance or after restarting your MediaAccess Gateway.

■ **Temporary Mode (Remote Assistance):**
The remote session ends when you disable remote assistance, after restarting your MediaAccess Gateway or after 20 minutes of inactivity.

To enable Remote Assistance / Remote Access.

⚠️ Enabling remote assistance is only possible when you are connected to the Internet.

To enable remote assistance/access:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 Complete and check the following parameters:

▸ **Mode:**
Select the mode that you want to use.

▸ **URL:**
Contains the URL that must be used to access the MediaAccess Gateway from the Internet.

▸ **User name** and **Password:**
Contains the user name and password are needed to access your MediaAccess Gateway remotely. If wanted you can change the automatically generated password in the **Password** box.

3 Click **Enable Remote Assistance**.

Accessing your MediaAccess Gateway from the Internet

Proceed as follows:

1 Open your web browser.

2 Type the URL that was listed in the URL field on the **Remote Assistance** page (for example https://141.11.249.150:51003).
ℹ️ You can replace the IP address in this URL by the dynamic DNS host name if you enabled and configured Dynamic DNS. For more information, see *Dynamic DNS*.
Example: https://**141.11.249.150**:51003 can be replaced by https://**mygateway.dyndns.org**:51003.

3 Enter the user name and password that you specified on the **Remote Assistance** page.

4 The *MediaAccess Gateway GUI* appears.

It is now possible for a remote user to access your MediaAccess Gateway via the specified URL using the provided user name and password.

5   The MediaAccess Gateway Wireless Access Point

Introduction

This section will help you set up your wireless network.

What you need to set up a wireless network

To set up a wireless network, you need the following components:

- A *Wireless Access Point* (already integrated into your MediaAccess Gateway)
- A *Wireless client* the device that you want to connect (for example, a computer, smartphone, network printer,...)

Wireless Access Point

The wireless access point is the heart of your wireless network. The wireless access point:

- Connects different wireless devices.
- Secures the data sent over wireless connection.

The MediaAccess Gateway comes with an integrated wireless access point.

Wireless client

The wireless client allows you to connect a device, typically a computer, to a wireless access point. Both built-in and external (for example via USB) clients are available.

> Devices like media players and smartphones may also have a built-in wireless client. Check the documentation of your device for more information.

Check the documentation of your computer if you are not sure if your computer is equipped with a wireless client.

Configuring your wireless clients

For more information on how to establish a wireless connection to the MediaAccess Gateway, see:

- *"5.1 Connecting Your Wireless Client via WPS" on page 40*
- *"5.2 Connecting Your Wireless Client without WPS" on page 42*
- *"5.3 Connecting Your Wireless Client via QR Code" on page 43*

Secure your wireless connection!

When using an unsecured connection, everyone who is within the range of your MediaAccess Gateway can access your network. If not:

- People may use your connection to access the Internet.
- Hackers may use your connection to commit computer crimes.

You can easily prevent this by securing your wireless access point. For more information, see *"5.4 Securing Your Wireless Connection" on page 44*.

5.1 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 swift 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. Check the documentation of your wireless client for this.

> ℹ️   Both Windows 7 and Windows Vista Service Pack 1 have native WPS support.

■ Your MediaAccess Gateway must use WPA(2)-PSK encryption (default encryption) or no encryption. WPS with WEP encryption is not possible.

WPS Methods

The following WPS methods are supported by your MediaAccess Gateway:

■ *Push Button Configuration (PBC):*
You have to put both your Wireless USB Adaptor and access point in registration mode.

■ *PIN code entry:*
You have to enter a PIN code on the Wireless Configuration Utility.

Procedure for PBC

Proceed as follows:

1 Shortly press the WPS button on the **MediaAccess Gateway**:

2 The WPS button LED starts blinking orange. This indicates that the MediaAccess Gateway 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 on your wireless client.

4 The MediaAccess Gateway is now exchanging the security settings.

5 At the end of the procedure the status of the WPS LED will change to either of the following:

▸ Solid green
This indicates that you have successfully registered your wireless client. You are now connected to the MediaAccess Gateway network.

▸ Blinking red
  This indicates that the MediaAccess Gateway could not find your wireless client. Use the same procedure to try again (you do not need to wait until the LED turns off).

Procedure for PIN code entry

Proceed as follows:

1 Check the label on your MediaAccess Gateway and write down the following information:

  ▸ The PIN code that is printed next to the WPS logo.

  ▸ The **Network Name**.
    This is the default network name (SSID). If you already configured a new network name, write down the new one.

2 Go the WPS PIN code page of your wireless client.

3 Enter the PIN code,

  ⚠ Do not include the hyphen when entering the PIN code. For example, if your 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, select the access point with the network name that you wrote down.

Troubleshooting

If you are having trouble connecting your wireless client via WPS, this may be cause by one of the following reasons:

■ WPS can not be correctly executed:
  Configure your wireless manually. For more information, see *"5.2 Connecting Your Wireless Client without WPS" on page 42*.

■ Your wireless client is out of range:
  If possible move your wireless client closer to your MediaAccess Gateway or use a wireless repeater to extend the range of your wireless network.

■ Another device is interfering on the selected wireless channel:
  Change the wireless channel of your MediaAccess Gateway. For more information, see *"Change the wireless channel" on page 107*.

5.2 Connecting Your Wireless Client without WPS

Before you start

Before you can connect a wireless client (for example, a computer) to your wireless network you need to know the wireless settings that are currently used by the MediaAccess Gateway, i.e.:

■ The Network Name (SSID)

■ The wireless key

What Network Name (SSID) is my MediaAccess Gateway using?

If you did not change the SSID, your MediaAccess Gateway uses the Network Name that is printed on the back panel label of your MediaAccess Gateway.

What wireless key is my MediaAccess Gateway using?

If you did not change the security settings, no wireless key is used.

> **i** If your service provider did choose to use a default wireless key, use the **Wireless Key** that is printed on the bottom panel label of your MediaAccess Gateway.

Forgot your wireless key?

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

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

> **i** If none of your computers is connected yet, connect one with an Ethernet cable. For more information, see *"3.3.2 Setting up a Wired Connection" on page 25*.

2 Browse to the MediaAccess Gateway GUI.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

3 On the **Home Network** menu, click **Wireless**.

4 In the upper-right corner, click **Details**.

5 Under:

▸ **Configuration**, you can find the network name (SSID).

▸ **Security**, you can find the encryption.

Connecting your wireless client

Configure your wireless client with the same wireless settings as your MediaAccess Gateway (network name and wireless key). For more information, consult the documentation of your wireless client.

5.3 Connecting Your Wireless Client via QR Code

Introduction

The MediaAccess Gateway allows you to generate a Quick Response (QR) code that contains all wireless settings that are needed to connect. You are then able to connect to the wireless network by scanning the generated code.

Target devices

This connection method is typically used for tablet computers and smartphones.

Requirements

Your wireless device must have:

- A camera to scan the code.
- An application (app) to interpret the QR code and connect to a wireless network.
  For example: if you are using Android on your device, you could download **Bar Code Scanner** from **Google Play**.

Procedure

Proceed as follows:

1   Browse to the MediaAccess Gateway GUI.
    For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2   Under **Home Network**, click **Wireless**.

3   Under **Pick a Task**, click **Generate QR code image**.

4   The wireless QR code appears.
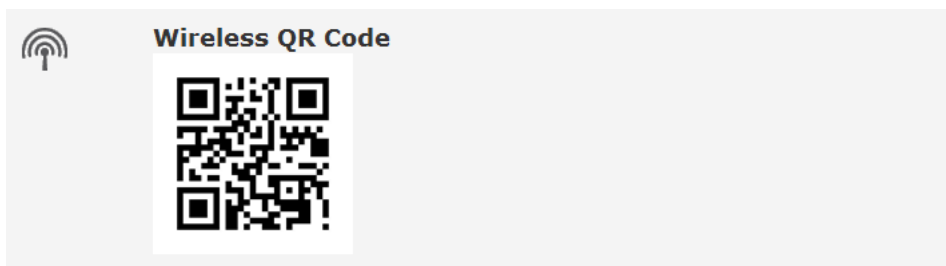
You can now:

- ‣ Scan the code directly from your screen.
- ‣ Print this page and scan the code from the paper version.

5   Your QR code app shows you the wireless settings used by your MediaAccess Gateway and offers you to connect to its wireless network. Connect to the network.

5.4 Securing Your Wireless Connection

Introduction

You can protect the wireless communication between the wireless clients and your MediaAccess Gateway with a wireless key. This means that:

■ Only clients which use the correct Network Name (SSID) and wireless key can connect to your network.

■ All data passing through your wireless access point is secured and encrypted.

Encryption types

Over the years a number of encryption types have been developed. The list below gives you an overview of the supported encryption types ordered by descending security level; you will find the highest level of security at the top of the list:

■ WPA-PSK Encryption:
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 the MediaAccess Gateway. The MediaAccess Gateway supports the following WPA-PSK versions (ordered by descending security):

▸ **WPA2-PSK:**
The most recent and most secure version of WPA-PSK. Choose this version if you are sure that all your wireless clients support WPA2-PSK.

▸ **WPA-PSK + WPA2-PSK**:
This is a mixed mode. In this mode WPA2-PSK, is the preferred encryption type but wireless clients do not support WPA2-PSK, can still use WPA-PSK as encryption type. 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.

▸ **WPA-PSK**:
The first version of **WPA-PSK.** Choose this option if you are sure that none of your wireless clients support WPA2-PSK.

> If you want to configure WPA2-PSK on the built-in wireless utility of Windows XP Service Pack 2 (SP2), you first have to:
>
> ■ Upgrade your Windows XP to Service Pack 3.
>
> - or -
>
> ■ Install the following update: http://support.microsoft.com/kb/917021.

■ WEP Encryption:
The least safe encryption type used for wireless connections. Like WPA-PSK it uses a user-defined key, but WEP has been proven to have security issues.

> Although the MediaAccess Gateway allows you to use WEP or no security, we strongly advise against using one of them! Use **WPA(2)-PSK** instead.

Configuration

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 Under **Home Network**, click **Wireless**.

   Wireless:

3 The **Wireless Access Point** page appears. In the upper-right corner, click **Configure**.

4 In the **Security Mode** list, select one of the following modes:

- ‣ **WPA-PSK**
- ‣ **WPA2-PSK**
- ‣ **WPA-PSK + WPA2-PSK**

For more information, see *"Encryption types" on page 44*.

5 In the **WPA-PSK Encryption Key** box, type a the key of your choice. The key must be in one of the following formats:

- ‣ 8 to 63 alphanumeric characters. For example: MyKey123
- ‣ 8 to 64 hexadecimal characters (characters from 0 to 9 and from A to F). For example: C54F48A5.

6 Click **Apply**.

7 Reconnect your wireless client(s) to the MediaAccess Gateway using these new security settings.
For more information, see *"5.1 Connecting Your Wireless Client via WPS" on page 40* or *"5.2 Connecting Your Wireless Client without WPS" on page 42*.

6 Telephony

Voice over IP (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.

The expensive solution

To be able to make your phone calls over the Internet you could either:

- Buy an IP phone.
  These IP phones are special phones that you can connect to your Internet Gateway.
- Install VoIP software on your computer and make your phone calls via your computer.

The Technicolor solution

With the MediaAccess Gateway you can make both VoIP and traditional telephone calls using a traditional analogue phone.

If your MediaAccess Gateway is not powered, the traditional telephone network (if connected) will automatically selected. This way you are still able to make emergency calls.

In this chapter

This chapter covers following topics:

Topic	Page
6.1 Setting Up Your Telephone Network	48
6.2 Address Book	51
6.3 Telephony Services	53
6.4 Viewing Call Logs	58

6.1 Setting Up Your Telephone Network

Procedure

To set up your telephone network, follow these steps:

1 Connect your traditional phone(s), DECT base station or fax to the green **Phone** port(s) on the back panel of your MediaAccess Gateway.

2 Configure the VoIP service on your MediaAccess Gateway.
For more information, see *"6.1.1 Configuring the MediaAccess Gateway VoIP Service" on page 49*.

6.1.1 Configuring the MediaAccess Gateway VoIP Service

Introduction

If your VoIP service has not been configured yet, follow the instructions in this section.

How can I check if the VoIP service has already been configured?

If the **Phone** LED is:

- Solid or blinking green then the VoIP service is configured correctly. No configuration is needed.
- Off then telephony service is not configured (yet). Follow the instructions below.

Requirements

Your Internet connection must be up and running before you can configure Internet telephony.

Configuring the VoIP settings

Proceed as follows:

1 *Enter the proxy and registrar settings*.
2 *Enter your VoIP account settings*.

Enter the proxy and registrar settings

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.
2 On the **Toolbox** menu, click **Telephony**.
3 In the *Navigation bar*, click **Expert configure**.
4 Complete the following fields based on the settings provided by your VoIP provider:

   ▸ **Proxy:**
   Type the URL (for example: sip.provider.com) or IP address of the proxy.

   ▸ **Registrar:**
   Type the URL (for example: sip.provider.com) or IP address of the registrar.

   ▸ **Registrar Port** and **Proxy Port**.
   In most cases the default port (5060) will be used. Only change these values if your provider is using other port numbers.
5 Click **Apply**.

Enter your VoIP account settings

Proceed as follows:

1 In the *Navigation bar*, click **Configure**.
2 Under **Service Configuration**, select **Enable Telephony**.
3 Under **Telephone Numbers**, complete the following fields:

   ▸ **SIP URI**:
   The Uniform Resource Identifier (URI) of your SIP account (for example: 035051979, john.doe,...). This is the telephone number that people have to dial to call you.

   ▸ **Username:**
   The user name of your VoIP account (for example: 035051979, john.doe,...).

▸ **Password:**
The password of your VoIP account.

▸ **Displayname:**
The name that you want people to see on the display of their phone when you are calling.

     ⓘ   Your VoIP provider may not support this feature.

▸ **Abbreviated number:**
An internal number to call the phones associated with this VoIP account.

▸ **Port:**
The phone port that you want to associate with this VoIP account. select

     ■ **All** to use this VoIP account for all connected phone.

     ■ **Phone 1/2** to use this VoIP account for the phone connected to the **Phone 1/2** port of your MediaAccess Gateway.

4 Click **Apply**.

Verifying Telephone Connectivity

Proceed as follows to verify the voice connection:

1 Make sure the MediaAccess Gateway is turned on.

2 Make sure the Internet telephony service is enabled and configured. The **Phone** LED must be solid green.

3 Pick up your phone, wait for the dialling tone, and dial the number.

6.2 Address Book

Introduction

The **Address Book** page allows you to:

- Store your contacts on the *MediaAccess Gateway GUI*.

- Initiate a call or send a message by clicking the phone number or e-mail address in the contact details.

Everyone with access to the MediaAccess Gateway GUI can view and use the address book.

Accessing the Address Book page

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Address Book.**

3 The **Address Book** page appears.

For each contact, you can provide the following information:

- ‣ **Business**: to make a call to the contact's business telephone number

- ‣ **Home**: to make a call to the contacts home telephone number

- ‣ **Mobile**: to make a call to the contact's mobile telephone number

- ‣ **Other or SIP uri**: to make a call to the contact's VoIP telephone number

- ‣ **E-mail** to send an E-mail message to the contact with your e-mail client.

Managing contacts

Click...	To...
Add	Add a contact
Edit	Edit a contact
Delete	Delete a contact

All information provided per contact is optional except for the last and first name. The information can be updated or completed at any time.

Making a phone call from the address book

Proceed as follows:

1 Browse to the **Address Book** page.

2 Click on the phone number of your contact.

3 The following page appears:

4 Pick up the phone.

5 The MediaAccess Gateway is now initiating the call. Your contact's phone is now ringing.

6 At the end of the conversation, click **Done** to go to the **Last Calls** page. This page allows you to view the statistics of your last calls (including the call that you just made).

You can use the buttons in the **Remote Number** column to make a new call to one of the contacts in your call log.

6.3 Telephony Services

Introduction

Telephony services add extra functionality to your phone. For example: putting a call on hold, transferring calls,...

Requirements

Before you can use a service, must both be:

1 Supported by your service provider.
2 Activated on your MediaAccess Gateway.

Checking if a telephone service is activated/supported

To check which services are supported or activated, proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
  For more information, see *"4.1 MediaAccess Gateway GUI" on page 32*.

2 On the **Toolbox** menu, click **Telephony**.

3 In the *Navigation bar*, click **Configure**.

4 In the **Pick a task** list, click **View Telephony Services**.

5 Under **Telephony Services**, you can see the services that are supported by your provider.

Service	Activation Code	Deactivation Code	Activated
Call Hold	*94	#94	Yes
Call Waiting	*43	#43	Yes
Call Waiting On Call Basis	*43*	#43*	Yes
Call Transfer	*96	#96	Yes
Conference Call (3 Party);	*95	#95	Yes
Calling Line Identification Presentation	*30	#30	Yes
Warm Line	*53	#53	No

In the **Activated** column, you can see if this service is also activated on the MediaAccess Gateway.

6 To (de)activate a service, proceed with *"6.3.1 Activating a Telephony Service on your MediaAccess Gateway" on page 54*.

6.3.1 Activating a Telephony Service on your MediaAccess Gateway

How can I (de)activate a service on my MediaAccess Gateway?

You can (de)activate services in two ways:

- Via the MediaAccess Gateway GUI.

- Via (de)activation codes on your phone.

Activating a Telephony Service via the MediaAccess Gateway GUI

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"4.1 MediaAccess Gateway GUI" on page 32*.

2 On the **Toolbox** menu, click **Telephony**.

3 In the *Navigation bar*, click **Configure**.

4 In the **Pick a task** list, click **View Telephony Services**.

5 In the *Navigation bar*, click **Configure**.

6 Under Telephony services you can now activate or deactivate the services of your choice:

Service	Activation Code	Deactivation Code	Activated
Call Hold	*94	#94	☑
Call Waiting	*43	#43	☑
Call Transfer	*96	#96	☑
Conference Call (3 Party);	*95	#95	☑
Calling Line Identification Presentation	*30	#30	☑
Warm Line	*53	#53	☐

To:

- ▸ Activate a service select the check box next to the service.

- ▸ Deactivate a service clear the check box next to the service.

7 Click **Apply**.

Activating a Telephony Service via Your Phone

To (de)activate one of the services just dial the corresponding code on your phone. For example, to activate **Call Hold** dial *94; to deactivate the service dial #94.

To know which code to use:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"4.1 MediaAccess Gateway GUI" on page 32*.

2 On the **Toolbox** menu, click **Telephony**.

3 In the *Navigation bar*, click **Configure**.

4 In the **Pick a task** list, click **View Telephony Services**.

5 In the **Telephony Services** table, you can find the activation and deactivation codes.

Service	Activation Code	Deactivation Code	Activated
Call Hold	*94	#94	Yes
Call Waiting	*43	#43	Yes
Call Waiting On Call Basis	*43*	#43*	Yes
Call Transfer	*96	#96	Yes
Conference Call (3 Party);	*95	#95	Yes
Calling Line Identification Presentation	*30	#30	Yes
Warm Line	*53	#53	No

6.3.2 Common Telephony Services

Introduction

This section provides an overview of the functions that will be available if you activate one of the following services:

■ *Call Hold service*

■ *Call Waiting service*

■ *Conference Call (3 Party) service*

■ *Call Transfer*

For more information on the other services, please contact your service provider.

Call Hold service

If the **Call Hold** service is activated, you can use the following functions:

To...	Press...	Illustration
Put an active call on hold and enable a call set up (the dial tone is generated)	R, 2	
Terminate the call on hold	R, 0	
Terminate an active call and switch to the call on hold	R, 1	
Retrieve the call on hold (when there is no active call)	R, 1	
Terminate an active call and enables a call set up (the dial tone is generated)	R, 9	

Call Waiting service

If the **Call Waiting** service is activated, you can use the following functions:

To...	Press...	Illustration
Terminate an active call and switch to an incoming call	R, 1	
Reject an incoming call	R, 0	
Switch between an active call and a call on hold	R, 2	
Switch between an active call and an incoming call	R, 2	
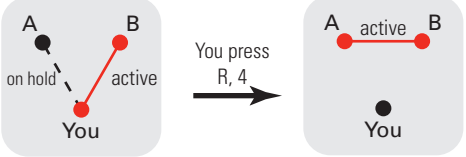
Conference Call (3 Party) service

If the **Conference Call (3 Party)** service is activated, you can use the following functions:

To...	Press...	Illustration
Establish a conference call (or 3 party connection)	R, 3	
During a conference call: put B and C on hold	R, 2	
During a conference call: retrieve B and C when they are on hold	R, 3	

Call Transfer

If the **Call Transfer** service is activated, you can use the following functions:

To...	Press...	Illustration
Transfer a call	R, 4	

6.4 Viewing Call Logs

Introduction

The **Call Logs** page on the *MediaAccess Gateway GUI* lists:

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

Viewing the telephony statistics

Proceed as follows:

1   Browse to the *MediaAccess Gateway GUI*.
    For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2   On the **Toolbox** menu, click **Telephony.**

3   The **Telephony** page appears:

On this page you can see an overview of your last calls.

4   To view more detailed statistics, click **View telephony statistics and logs** in the **Pick a task** list.

Used icons

The call logs use the following icons to illustrate the call type:

Icon	Type
	Successful outgoing phone call
	Successful incoming call
	Failed outgoing call
	Failed incoming call

Calling a contact from the call log

You can immediately start a new call to one of these contacts by clicking the button in the **Remote Number** column.

7 Saving Energy

Code of Conduct

To prove its commitment to protect the environment, Technicolor has signed the Code of Conduct, a global agreement to reduce the power consumption of broadband access devices.

For more information, see *"7.1 Code of Conduct" on page 60*.

Technicolor power saving innovations

To further reduce the power consumption, Technicolor has developed the *ECO Manager*. This system constantly monitors the services provided by the MediaAccess Gateway and automatically switches unused services to an ECO-friendly state. For more information, see *"7.2 ECO Manager" on page 61*.

Next to this automated tool, you can also choose to manually disable services that you will not be using. For more information, *"7.3 Manually Switching Off Services to Reduce Power" on page 62*.

7.1   Code of Conduct

Power states

Code of Conduct provides rules for the power consumption in:

- Full power state:
  This is the normal operation mode of the device, where all functionality is enabled.

- Low power state:
  When there is no user traffic on the device, the device should switch to low power mode. This is a state in which devices are only allowed to use a limited amount of energy to be able to power its components and respond to user activity.

Example

Take the following example:

- The user switches off his computer at 20:00.

- There are no other devices connected to the MediaAccess Gateway.

The MediaAccess Gateway switches to low power mode. This results in a considerable drop in the overall power consumption of the MediaAccess Gateway.
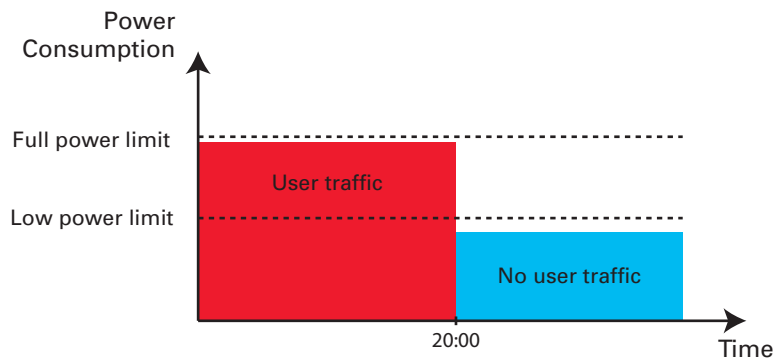
7.2 ECO Manager

Introduction

The MediaAccess Gateway constantly monitors the user activity and uses this information to optimise the power consumption:

For example:

- The MediaAccess Gateway **reduces the clock frequency of the central processor** when there is no or low user activity. This lowered clock frequency will result in a lower power consumption of the MediaAccess Gateway.

- *Disable the USB port(s)* when they are not used

- *Switch the wireless interface to power reduction mode*.

Wireless access point power reduction mode

When the MediaAccess Gateway access point switches to power reduction mode, the access point is switched off and is only power on periodically to be able to detect new clients. If new clients are detected the wireless access point is fully powered again. This is only possible if there are no devices connected to the MediaAccess Gateway.

Power reduction is enabled by default, but it is possible to disable it via the MediaAccess Gateway GUI. To configure power reduction:

1 Browse to the MediaAccess Gateway GUI.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 Under **Home Network**, click **Wireless**.

3 In the *Navigation bar*, click **Configure**.

4 Under **Configuration**:

   ‣ Select **Power Reduction Enabled** to enable power reduction.

   ‣ Clear **Power Reduction Enabled** to disable power reduction.

5 Click **Apply**.

Example

If we use the same example as in the previous section, you can see that the MediaAccess Gateway is now able to further reduce the power consumption in periods where less action is required from the MediaAccess Gateway.
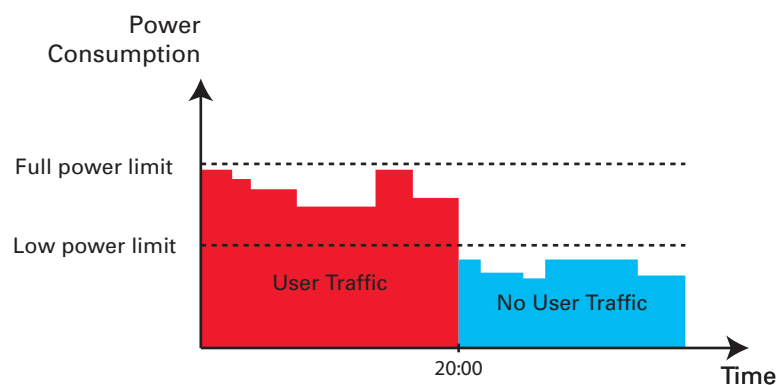
7.3   Manually Switching Off Services to Reduce Power

ECO button

If you are not using the wireless access point of your MediaAccess Gateway, you might consider to disable the wireless access point permanently. This allows you to further reduce the power consumption.

To turn the wireless interface:

- *Off*, press the **ECO** (⏻) button until the Wireless LED is off.
- *On*, press the **ECO** (⏻) button until the Wireless LED is on.

Zero power consumption

If you will not be using your MediaAccess Gateway for a longer time (for example: you are going on holiday), you should consider to turn off the MediaAccess Gateway. This way no energy will be consumed at all.

However, be aware that if you turn off the MediaAccess Gateway, *all services provided by the MediaAccess Gateway that require access to the Internet will not be available*. For example:

- You will not be able to browse to Internet websites, listen to radio streams etc.
- No VoIP calls can be made/received
  You will no longer be able to make or receive phone calls over the Internet. Your phone calls will automatically be done via the traditional phone network (if available).
- No Digital TV is provided
  If your set-top box is connected to your MediaAccess Gateway, it will no longer be able to connect to the Internet, hence not be able to service your TV set.

8 Sharing Content

Introduction

The MediaAccess Gateway allows you to share the content stored on your USB storage device with other users on your network or even access this shared content from the Internet.

Features

- The MediaAccess Gateway supports USB 2.0
- The following file systems are supported:
  - NTFS (optional)
  - FAT32
  - FAT16
  - HFS+ (optional)
  - EXT2/EXT3 (optional)
- You can connect up to five USB storage devices (via a USB hub).
- Each USB storage device can have up to 10 partitions. If your device has more partitions the extra partitions will be ignored.

Content Sharing Servers

The MediaAccess Gateway offers three types of services to share your content. The following table gives a you a brief overview of the main functions:

	Network File Server	UPnP AV Media Server	FTP Server
Function	Store and access your data on your local network.	Make media files available for UPnP AV capable devices like Media players, Set-Top boxes from your local network.	Store and access your data from the Internet.
Access	Read and write	*Read-only*	Read and write
Accessible from	Local network	Local network	*Internet* and Local network
Type of content shared	All files from all partitions and disks that are connected.	*Media* files (music, movies and pictures) from all partitions and disks that are connected.	All files that are stored in the **Shared** folder of the managed partition.
For more information, see...	*"8.1 The Network File Server" on page 65*	*"8.2 The UPnP AV Media Server" on page 68*	*"8.3 The FTP Server" on page 72*

Configuration

All servers are **enabled by default**. The only thing that you need to do is to plug your USB memory stick or external hard disk in (one of) the USB port(s) of your MediaAccess Gateway.
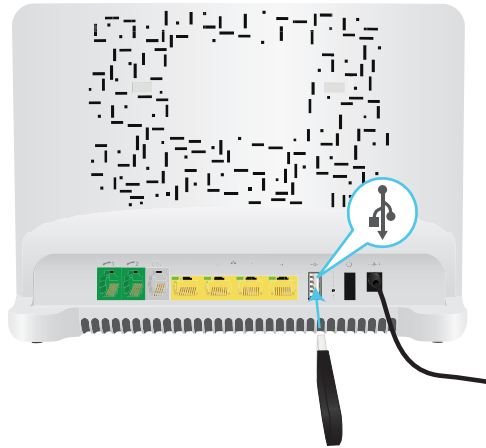
> By using a USB hub, you can connect up to five USB mass storage devices to the MediaAccess Gateway.

> Do not remove your USB storage device without stopping it first, otherwise data might be lost! For more information, see *"8.5 Safely Removing your USB Storage Device" on page 76*.

8.1 The Network File Server

Introduction

The Network 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 this USB device(s).

Configuration

The Network File Server is **enabled by default** and ready for use.

To change the default settings, proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
   For more information, see .

2 On the **Tools** menu, click **Content Sharing**.

3 In the *Navigation bar*, click **Configure**.

4 Under **Network File Server (Windows Networking)**, you can change the following settings:

   ▸ **Server Name**:
      Enter the name that you want to use to access the MediaAccess Gateway.

   ▸ **Server Description**:
      Add a short description for what kind of data is stored on the USB storage device.

   ▸ **Workgroup**:
      Enter the same workgroup as used by your computer(s).

   ▸ **Server Enabled**:
      Select this option to enable the Network File Server

5 Click **Apply**.

6 All users connected to the MediaAccess Gateway can now access the data on stored your USB storage device.

7 If you want to limit the number of folders that can be accessed, continue with .

Accessing the shared content on Windows

Proceed as follows:

1 Open **Windows Explorer**.

2 In the address bar, type two backslashes followed by the name that you entered in the **Server Name** box (default: **\\Technicolor**).

   > If you did not provide a server name, type **\\192.168.1.253**.
   >
   > If you made changes to the DHCP settings, the IP address may diff. For more information, see .

3 An Explorer windows appears. The storage devices that are attached to your MediaAccess Gateway are listed as folders.
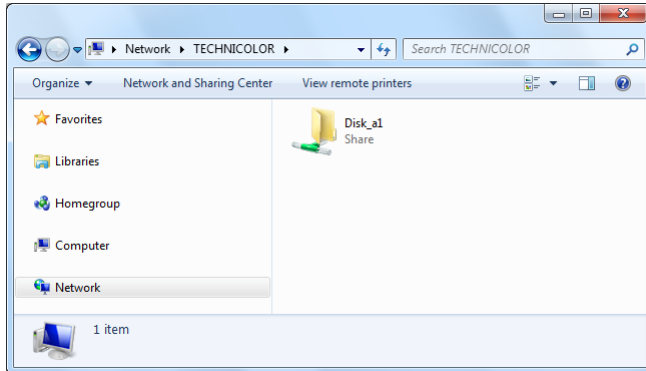
If the storage device has multiple partitions an index number will be added at the end (for example: Disk_a*1* and Disk_a*2*).

If multiple storage devices are inserted the first one is listed as Disk_*a*1, the second one as Disk_*b*1, and so on.

If the partition is a managed partition, only the **Media** and **Shared** folders of the managed partition are displayed:
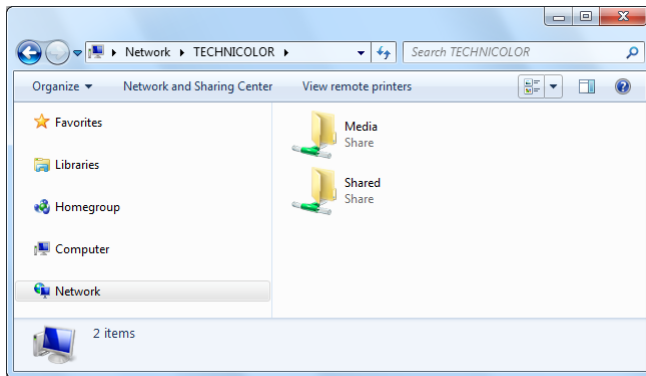
For more information on managed partitions, see *"8.4 Managing your Shared Content" on page 74*.

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 shared content on Mac

Proceed as follows:

1 On the **Go** menu, click **Connect To Server**.

2 The **Connect To Server** window appears.
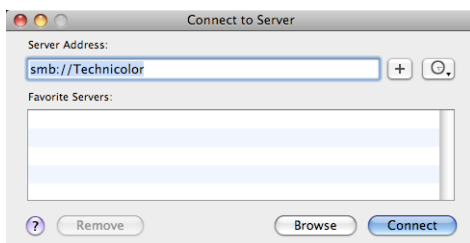
In the **Server Address** box, type **smb://<server name>**, where <server name> is the Server Name you assigned to your USB storage device (default: **smb://Technicolor**).

> If you did not provide a server name, type **smb://192.168.1.253**.
>
> If you made changes to the DHCP settings, the IP address may diff. For more information, see *"Getting the IP address of your USB storage device" on page 109*.

3 The following window appears:
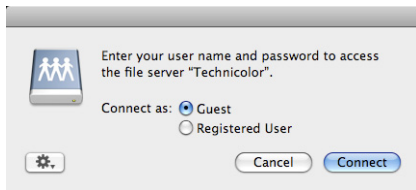
Select **Guest** and click **Connect**.

4 If prompted, select the partition that you want to open and click **OK**:
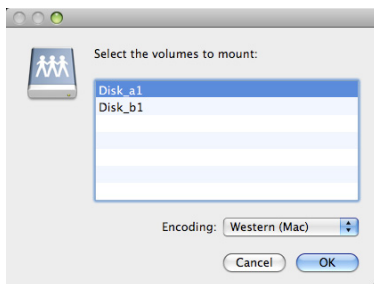
5 Your USB storage device is now mounted and is displayed on your desktop.

8.2 The UPnP AV Media Server

Introduction

Your MediaAccess Gateway has a built-in DLNA-certified UPnP AV media server. This section describes how to use and configure this media server.

UPnP AV

UPnP AV (AV stands for Audio and Video) is a protocol especially designed to share *media* files on your *local network*.

DLNA-certified

The Digital Living Network Alliance (DLNA) is an organisation that imposes requirements to ensure the interoperatability of your media devices and standardize the communication between them.

Buying a DLNA-certified device like the MediaAccess Gateway guarantees you that it will seamlessly integrate with your other DLNA-certified devices.

To allow you to access your media in a quick and easy way, the MediaAccess Gateway scans your storage device for meta data information (for example, title, artist, album) and stores it in a database. When you are looking for a file, the MediaAccess Gateway can simply query the database instead of having to go through all the files.

This database will only be created if the following conditions are met:

■ Your disk or partition must have at least 250MB of free space

■ Your disk or partition must not be read-only.

UPnP AV network components

A UPnP AV network consists of the following components:

■ The *UPnP AV server* is directly connected to your media files and makes them available on the network. In your network the MediaAccess Gateway will fulfil this role.

■ The *UPnP AV client* is a software application or hardware device that allows you to play or view the media files provided by your UPnP AV media server.

8.2.1 Configuring the UPnP AV Media Server

Introduction

The Network File Server is *enabled by default* and ready to use.

Enabling/disabling the UPnP AV Media Server

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Tools** menu, click **Content Sharing**.

3 In the *Navigation bar*, click **Configure**.

4 Under **UPnP AV Media Server**, click **Server Enabled**.

5 Click **Apply**.

Media Database

When you plug in your USB storage device, the MediaAccess Gateway will automatically start building the **media database**. This database contains all meta data of the media files stored on your USB storage device.

To view the status of the media database:

1 Browse to the MediaAccess Gateway GUI.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Tools** menu, click **Content Sharing**.

3 In the *Navigation bar*, click **Configure**.

4 Under **UPnP AV Media Server**, you can find the **Database Status**.
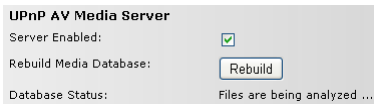
5 If you want to rebuild the database, click **Rebuild**.

8.2.2 Using the UPnP AV Media Server

Introduction

The UPnP AV Media Server lists all audio, video and picture files located on the connected USB storage device. All UPnP AV renderers (for example, a DLNA-certified Set-Top box) that are connected to your network are able to view this list and play or view items from this list.

On your UPnP AV renderer, the MediaAccess Gateway's UPnP AV media server will be listed as **Technicolor TGXXX**. Below you can find a screenshot taken on a smartphone with a UPnP AV client.
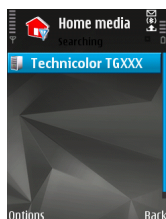
Via this entry, you can browse to your media files.
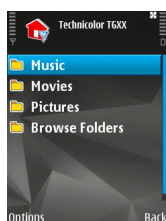
Windows 7

Windows 7 has native support for UPnP AV. It automatically detects UPnP AV and makes your media files available for playback on your Windows Media Player.

Proceed as follows:

1 On the Windows **Start** menu, click **Network**.

2 The **Network** window appears:
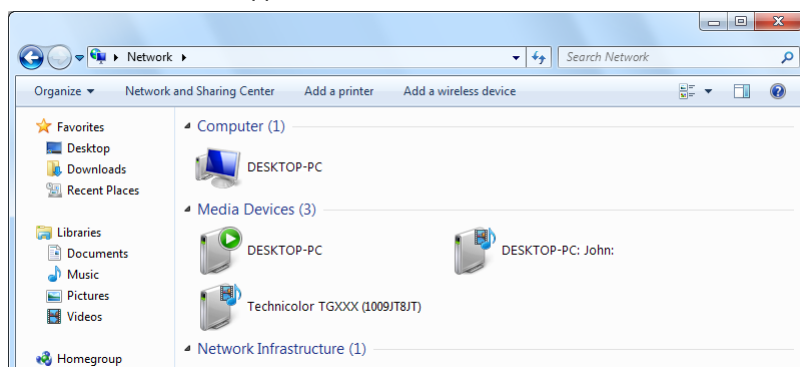
Under **Media Devices** you will find the MediaAccess Gateway's UPnP AV Media Server (displayed as **Technicolor TGXXX**).

3 Double-click the MediaAccess Gateway's UPnP AV Media Server to access your media files.

4 **Windows Media Player** starts up.
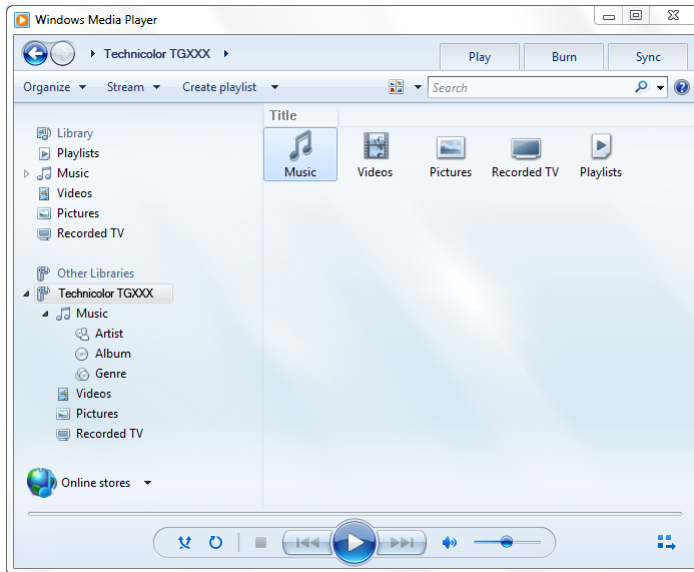
Your MediaAccess Gateway's UPnP AV Media Server is listed on the left. This entry allows you to browse to your media files.

8.3 The FTP Server

Introduction

The MediaAccess Gateway allows you to access your shared content by FTP. This can be useful if you want to be able to access your shared content from the Internet.

Via FTP you can **download and upload** all types of files both from your **local network and the Internet**.

Setting up the FTP server

Proceed as follows:

1 *Protect your account with a password*.

2 *Enable the FTP Server and select the managed partition*.

Protect your account with a password

If you did not yet configure your login to the *MediaAccess Gateway GUI* with a password:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **User Management**.

3 In the **Pick a task** list, click **Change my password**.

4 Leave the **Old Password** box empty.

5 Type your new password both in the **New Password** box and **Confirm New Password** box.

Enable the FTP Server and select the managed partition

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Tools** menu, click **Content Sharing**.

3 In the *Navigation bar*, click **Configure**.

4 Under **FTP Server**, click **Server Enabled**.

5 Under **List of connected disks**, click the radio button next to the partition to make it managed.

6 The MediaAccess Gateway now creates a **Media** and **Shared** folder on the selected partition. The **Shared** folder will be used as root location for FTP sessions.

7 Click **Apply**.

Result

The **Shared** folder and its subfolders are now accessible using FTP. The other folders are not accessible via FTP.

If you are connected to the Internet, the link to the FTP server is displayed under FTP Server:

On the MediaAccess Gateway network, you can also access the FTP server using its local address (192.168.1.253).

Additional configuration

Because most service providers use dynamic IP addresses, the IP address of your Internet connection may change frequently. This implies that the link to the FTP server will also change every time the public IP changes. With *Dynamic DNS*, you can assign a host name to the IP address (for example **mygateway.dyndns.org**). For more information, see *"9.3 Dynamic DNS" on page 87*.

8.4 Managing your Shared Content

Managed Partition

If you select your drive or partition as managed partition, users only have access to the following folders:

- **Media**
- **Shared**

All other folders will be hidden from the user. These hidden folders are still on the USB storage device, but you can not access them. If you connected more than one USB storage device, those devices will also be hidden.

Media folder

Use the **Media** folder to share your audio, video and picture files. This folder can only be accessed via the following servers:

- The Network File Server
  For more information, see *"8.1 The Network File Server"*.
- UPnP AV Media Server.
  For more information, see *"8.2 The UPnP AV Media Server"*.

> ⚠️ If your partition is managed, the UPnP AV server will only use the media files that are located in the **Media** folder.

Shared folder

The **Shared** folder is a folder to share files both on the *local network and the Internet*. This folder can only be accessed via the following server:

- The Network File Server
  For more information, see *"8.1 The Network File Server"*.
- FTP Server
  For more information, see *"8.3 The FTP Server"*.

> ⚠️ The FTP Server can only be used with a managed partition.

Ummanaged vs. managed

The following table compares the two modes:

Access via	Accessible folders	
	Unmanaged	**Managed**
Network File Server	All	**Media** and **Shared** folder.
UPnP AV Media Server	All	**Media** folder.
FTP Server	Not available in this mode.	**Shared** folder.

Setting up the managed partition

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Tools** menu, click **Content Sharing**.

3 In the *Navigation bar*, click **Configure**.

4 Under **List of connected disks**, click the radio button next to the partition you want to configure as *Managed Partition*.

5 Click **Apply**.

Result

The MediaAccess Gateway creates following folders:

- **Media**:
  Use this folder to share your media files with others users on your network. You can store your media files in following subfolders:
  - ▸ **Movies**
  - ▸ **Music**
  - ▸ **Pictures**

- **Shared**:
  Use this folder to share your other data with other users on your network. Optionally, users can also access this folder using FTP. For more information, see *"8.3 The FTP Server" on page 72*.

If the above folders already exist, the existing folders are used.

8.5 Safely Removing your USB Storage Device

Introduction

If you just unplug your USB storage device from the MediaAccess Gateway you may loose your data. To avoid this you must first stop your USB storage device.

Stopping your USB storage device

Proceed as follows

1 Browse to the *MediaAccess Gateway GUI*.
  For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Content Sharing**.

3 In the *Navigation bar*, click **Configure**.

4 Click **Stop**.

5 Unplug your USB storage device from the MediaAccess Gateway.

9 Network Services

In this chapter

In this chapter we will take a closer look at following features:

Topic	Page
9.1 UPnP	78
9.2 Assigning a service (HTTP, FTP,...) to a Computer	85
9.3 Dynamic DNS	87
"9.4 Network Time Server" on page 88	88

Feature availability

Depending on the configuration offered by your service provider, some features may not be available on your MediaAccess Gateway. For more information, contact your service provider.

9.1 UPnP

Introduction

UPnP is designed to automate the installation and configuration of a (small) network as much as possible. This means that UPnP-capable devices can join and leave a network without any effort of a network administrator.

Supported Operating Systems

The following operating systems support UPnP:

- Windows 7
- Windows Vista
- Windows XP

> ⚠ If your computer is running Windows XP, you first have to install the UPnP component. For more information, see *"9.1.4 Installing UPnP on Windows XP" on page 83*.

UPnP and the MediaAccess Gateway

UPnP offers you the following functions:

- You can access the *MediaAccess Gateway GUI* without having to remember the address of the MediaAccess Gateway. For more information, see *"9.1.1 Accessing Your MediaAccess Gateway via UPnP" on page 79*.

- If you are using a PPP connection to connect to the Internet, you can enable/disable your Internet connection without having to open the *MediaAccess Gateway GUI*.
  For more information, see *"9.1.2 Managing your Internet connection via UPnP" on page 80*.

- You do not have to manually create port mappings to run services on a computer. The automatic port configuration mechanism for UPnP-enabled games and applications will do this for you. If the application is UPnP-enabled, UPnP will create these entries automatically. For more information, see *"9.2 Assigning a service (HTTP, FTP,...) to a Computer" on page 85*.

9.1.1   Accessing Your MediaAccess Gateway via UPnP

Windows 7/Vista

If you computer runs Windows 7/Vista:

1 On the Windows **Start** menu, click **Network**.

2 The **Network** window appears:
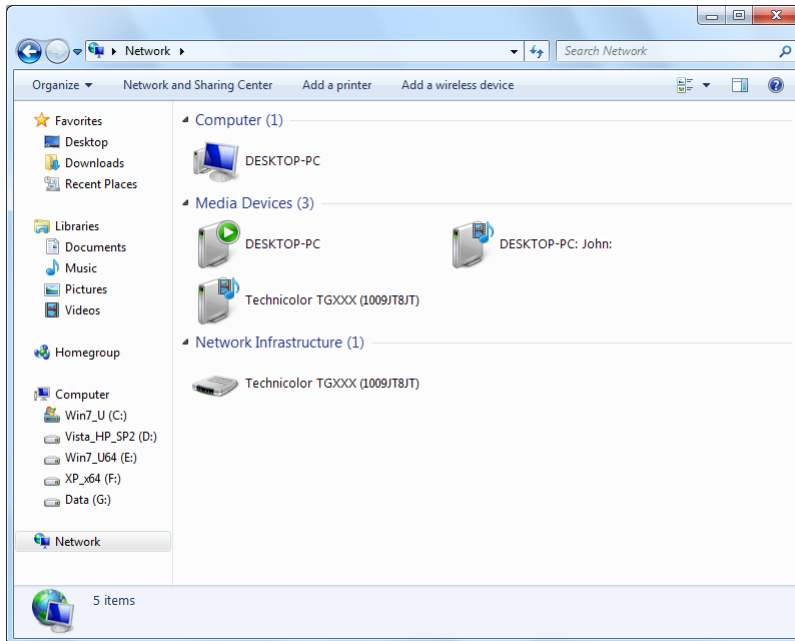
3 Right-click your MediaAccess Gateway (displayed as Technicolor TGXXX) and click **View device web page**.

4 The *MediaAccess Gateway GUI* appears.

Windows XP

If you computer runs Windows XP:

1 Go to **My Network Places**.

2 The **My Network Places** window appears:
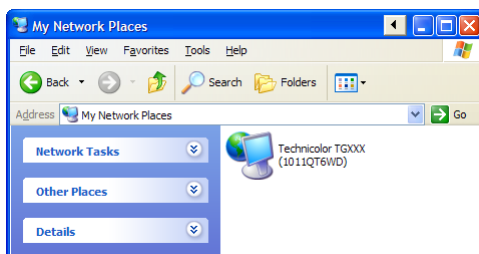
3 Double-click your MediaAccess Gateway (displayed as Technicolor TGXXX).

4 The *MediaAccess Gateway GUI* appears.

9.1.2 Managing your Internet connection via UPnP

Applicability

This section only applicable if you are using a PPP connection to the Internet.

Windows 7/Vista

If you computer runs Windows 7/Vista:

1 On the Windows **Start** menu, click **Network**.

2 The **Network** window appears:
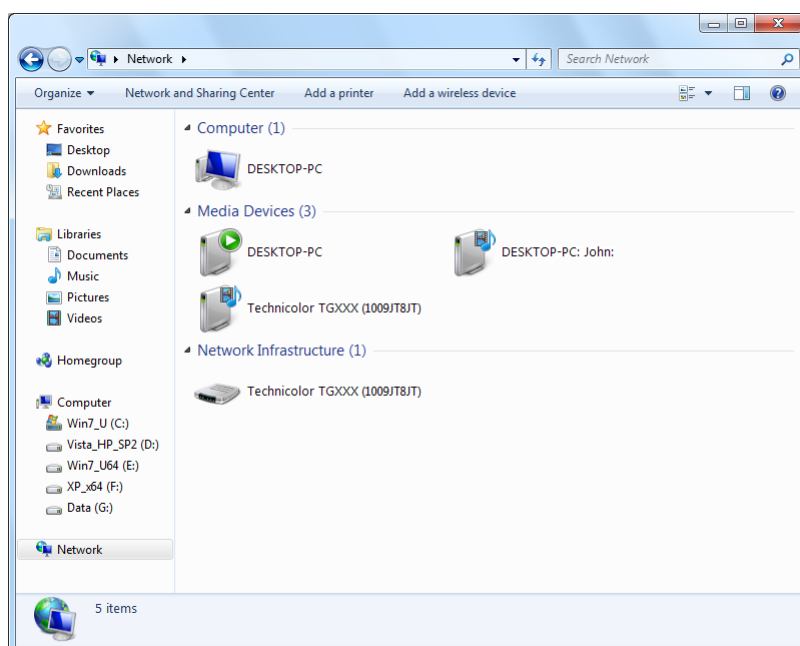
3 Right-click your MediaAccess Gateway (displayed as Technicolor TGXXX).

4 If you are currently:

▸ Connected to the Internet, click **Disable** to disconnect from the Internet.

▸ Not connected to the Internet, click **Enable** to connect to the Internet.

Windows XP

Proceed as follows:

1 On the Windows **Start** menu, click **(Settings >) Control Panel**.

2 The **Control Panel** window appears.
Click **(Network and Internet Connections) > Internet Connections**.

3 The **Network Connections** window appears;
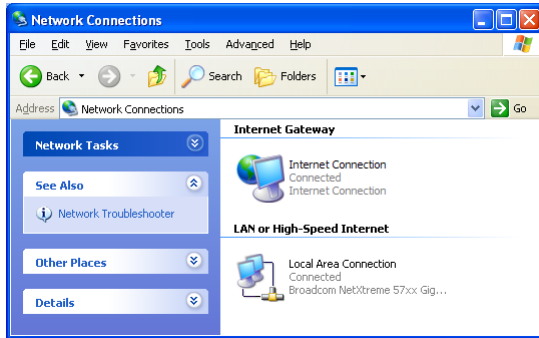
4 If you right-click the **Internet Connection** icon, you can connect/disconnect your connection to the Internet.

Disabling this feature

To prevent that users can connect/disconnect you can enable **Extended Security**. This feature is enabled by default.

For more information, see *"9.1.3 Configuring UPnP on the MediaAccess Gateway" on page 82*.

9.1.3 Configuring UPnP on the MediaAccess Gateway

Introduction

On the *MediaAccess Gateway GUI* you can:

- *Enable/Disable UPnP*.
- Enable/Disable *Extended Security*.

Enable/Disable UPnP

Proceed as follows:

1   Browse to the MediaAccess Gateway GUI.
    For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2   On the **Toolbox** menu, click **Game & Application Sharing**.

3   Under **Universal Plug and Play**:

   ▸ Select the **Use UPnP** check box, to enable UPnP.

   ▸ Clear the **Use UPnP** check box, to disable UPnP.

4   Click **Apply**.

Extended Security

If Extended Security is enabled, only limited UPnP operation between the host and the MediaAccess Gateway is allowed:

- A local host is not allowed to connect/disconnect the MediaAccess Gateway Internet connection. You can then only connect/disconnect the Internet connection via the *MediaAccess Gateway GUI*

- Address translation mappings can only be added or changed via UPnP for the host on which the UPnP application is running.

Extended Security is enabled by default.

Enable/Disable Extended Security

Proceed as follows:

1   Browse to the MediaAccess Gateway GUI.
    For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2   On the **Toolbox** menu, click **Game & Application Sharing**.

3   Under **Universal Plug and Play**, select **Use Extended Security**.

4   Click **Apply**.

9.1.4 Installing UPnP on Windows XP

Adding UPnP

If you are running Microsoft Windows XP, it is recommended to add the UPnP component to your system.

Proceed as follows:

1 In the **Start** menu, click **(Settings >) Control Panel**.

2 The **Control Panel** window appears.

 Click **Add or Remove Programs**.

3 The **Add or Remove Programs** window appears.

 Click **Add/Remove Windows Components**.

4 The **Windows Components Wizard** appears:
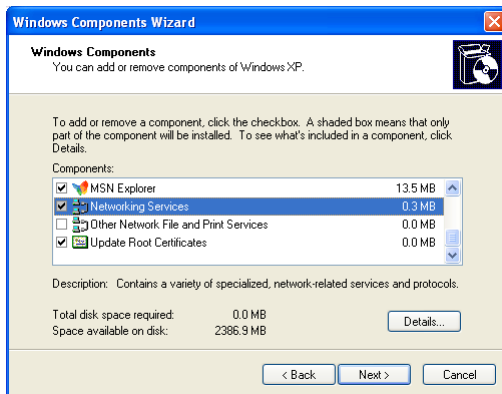
 In the **Components** list, select **Networking Services** and click **Details**

5 The **Networking Services** window appears:
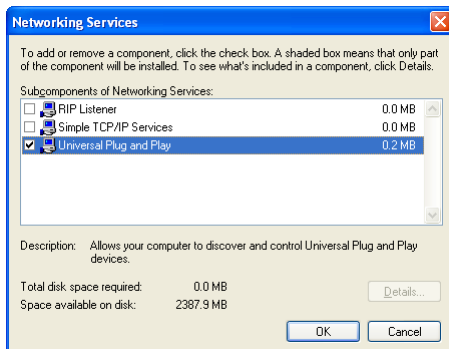
 Select **Universal Plug and Play** or **UPnP User Interface** and click **OK**.

6 Click **Next** to start the installation and follow the instructions in the **Windows Components Wizard**.

7 At the end of the procedure the wizard informs you that the installation was successful. Click **Finish** to quit.

Adding IGD Discovery and Control

Your Windows XP system is able to discover and control Internet Gateway Devices (IGD), like the MediaAccess Gateway on your local network. Therefore, it is recommended to add the IGD Discovery and Control client to your system.

Proceed as follows:

1 On the Windows taskbar, click **Start**.

2 Select **(Settings >) Control Panel** > **Add or Remove Programs**.

3 In the **Add or Remove Programs** window, click **Add/Remove Windows Components**.

4 The **Windows Components Wizard** appears:
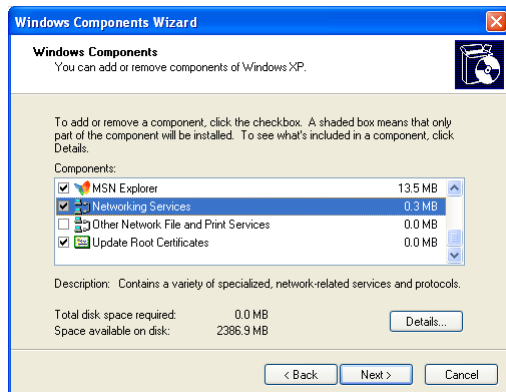
Select **Networking Services** in the **Components** list and click **Details**.

5 The **Networking Services** window appears:
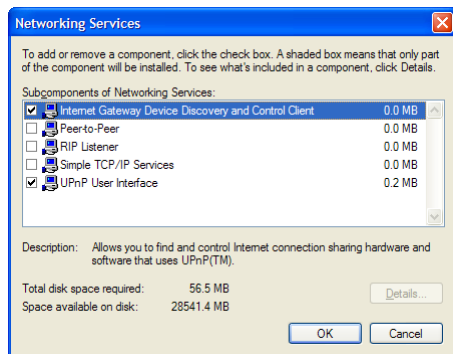
Select **Internet Gateway Device Discovery and Control Client** and click **OK**.

6 Click **Next** to start the installation and follow the instructions in the **Windows Components Wizard**.

7 At the end of the procedure, the wizard informs you that the installation was successful. Click **Finish** to quit.

9.2 Assigning a service (HTTP, FTP,...) to a Computer

Introduction

The MediaAccess Gateway allows you to use one Internet connection for multiple computers. This means that all your computers share one public IP address, as if only one computer were connected to the outside world.

Issue

When the MediaAccess Gateway receives an incoming message, the MediaAccess Gateway has to decide to which computer it has to send this message.

If the incoming message is a response to an outgoing message originating from one of your computers, the MediaAccess Gateway sends the incoming message to this computer.
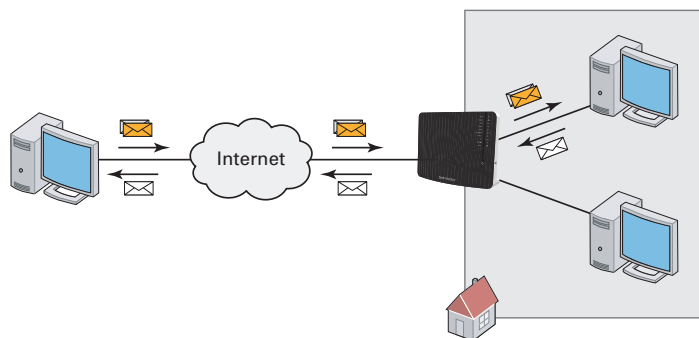
If your are running a server or an application that acts as a server (for example a HTTP server, Internet game), the initial message will come from the Internet and the MediaAccess Gateway has no information to decide to which computer it should forward the incoming message.
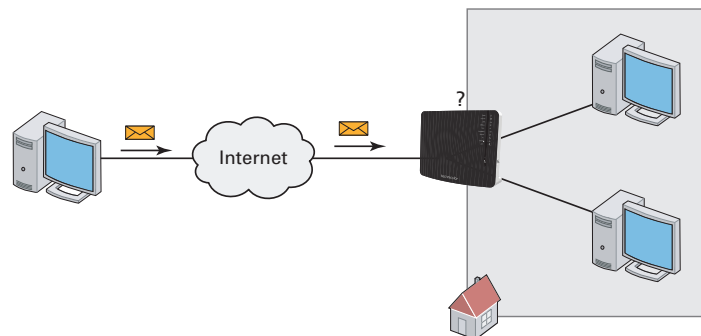
Solution

To avoid this problem you can do either of the following:

■ Enable *UPnP*.

■ *Assign a game or application to a local networking device*.

UPnP

UPnP is a technology that enables seamless operation of a wide range of games and messaging applications. Your computer will use UPnP to communicate to the MediaAccess Gateway which services are running on the computer.

For example, when you start a UPnP-enabled application on your computer, it will automatically create the necessary port mappings on this computer and on the MediaAccess Gateway.

For more information on UPnP, see *"9.1 UPnP" on page 78*.

Assign a game or application to a local networking device

If you assign a game or application to a local networking device, you will basically tell the MediaAccess Gateway that if it receives requests for a specific game or application, it has to forward these messages to a specific computer.

Proceed as follows to do so:

1 Browse to the MediaAccess Gateway GUI.
  For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Game & Application Sharing**.

3 In the **Pick a task** list, click **Assign a game or application to a local network device**.

4 In the **Game or application** list, click the service you want to run on the computer. For example, **HTTP Server (World Wide Web)**.

> ⓘ If the service is not available in the list, click **Create a new game or application** in the **Pick a task** list. For more information, click **Help** on the *MediaAccess Gateway GUI*.

5 In the **Device** list, select the computer to which you want to assign the service. Your computer will be listed with its computer name.

6 All incoming requests for the selected service will now be directed to the selected device. The MediaAccess Gateway will also configure its firewall to allow this service.

9.3 Dynamic DNS

Introduction

The Dynamic DNS service allows you to assign a dynamic DNS host name (for example mywebpage.dyndns.org) to a broadband connection even if it is using a dynamic IP address. As soon as the device gets a new IP address, the dynamic DNS server updates its entry to the new IP address.

What you need

Before you can configure Dynamic DNS, you first have to create an account at a Dynamic DNS service provider. For example:

- www.dyndns.org
- www.no-ip.com
- www.dtdns.com

Procedure

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Dynamic DNS**.

3 On the *Navigation bar*, click **Configure**.

4 Select the **Enabled** check box.

5 If necessary, select the broadband connection to which you want to assign the Dynamic DNS host name in the Interface list.

6 Type the user name and password of your Dynamic DNS service account in the corresponding fields.

7 In the **Service** list, click the name of your Dynamic DNS service provider.

8 In the **Host** box, type the host name that you got from the Dynamic DNS service provider (for example mywebpage.dyndns.org).

9 Click **Apply**.

9.4 Network Time Server

Introduction

A **Network Time Server** is a server that makes sure that the time settings of your device (your MediaAccess Gateway) are in sync with the official time.

This time will be used for features like:

- Access Control
  For more information, see *"10.3 Access Control" on page 99*.
- Wireless Time Control
  For more information, see *"10.4 Wireless Time Control" on page 101*.
- Call logs
- Event logs

Requirements

Your MediaAccess Gateway must be connected to the Internet.
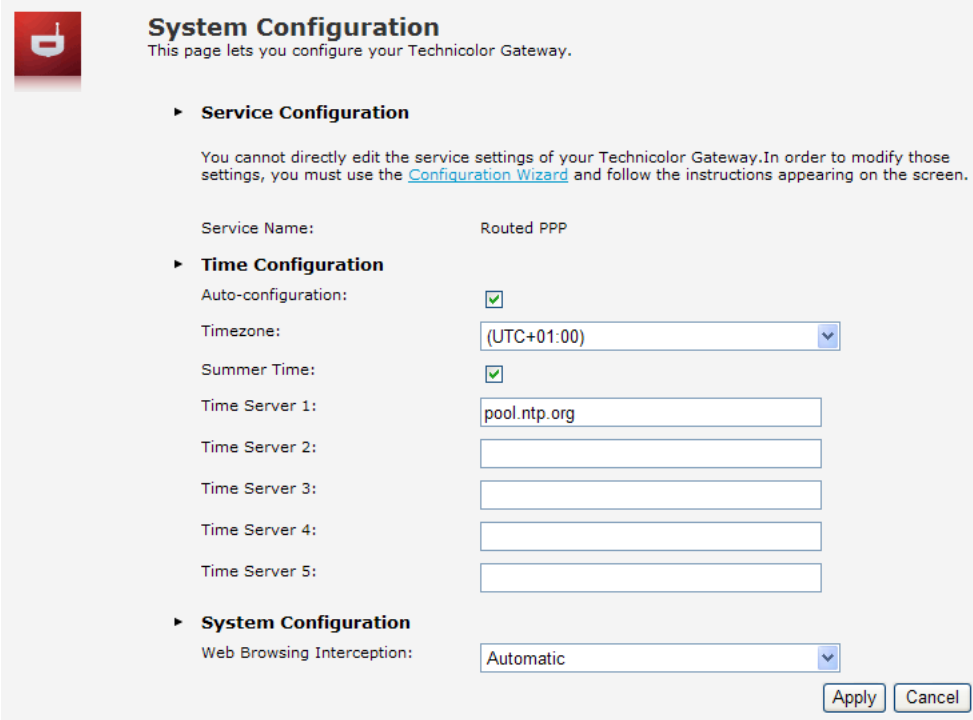
Specifying a time server for your MediaAccess Gateway

Proceed as follows:

1 Browse to the MediaAccess Gateway GUI.
  For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Technicolor Gateway** menu, click **Configuration**.

3 The **System Configuration** page appears. On the *Navigation bar*, click **Configure**.

4 Under **Time Configuration**, select **Auto-configuration** and configure the following settings:

> ▸ **Time Zone:**
> Select your time zone from this list.

> ▸ **Summer Time:**
> Select **Summer Time** if you want the clock to follow daylight saving time.

> ▸ In the **Time Server** box, type the address of the time server of your choice (for example: **pool.ntp.org**). You can define up to five time servers.

5 Click **Apply**.

6 Under **Time Configuration** you can see the newly applied time.

Home > Technicolor Gateway > Configuration   Overview | **Details** | Configure

System Configuration
This page summarizes the current configuration of your Technicolor Gateway.

▸ **Service Configuration**

This section contains information regarding the service configuration currently applying to your Technicolor Gateway.

Service Name:	Routed PPP (modified by user)
Description:	Routed Connection.
Region:	World
Provider:	Basic
Configuration Date:	Configuration set by Embedded Wizard

▸ **Time Configuration**

Time Source:	Automatic
Date:	09-03-2012
Time:	14:44:56
Timezone:	(UTC+01:00)
Summer Time:	Yes
Time Since Power-on:	0 days, 0:36:12
Time Server 1:	pool.ntp.org

▸ **System Configuration**

Web Browsing Interception:	Automatic

10 Internet Security

Overview

The MediaAccess Gateway offers various options to secure your network and network connection:

10.1 Parental Control

Introduction

The MediaAccess Gateway allows you to deny access to specific web sites.

Access Denied page

When a user tries to access a page that is being blocked, the following page is displayed:

Access Denied...

Access to the requested website has been blocked because of the following reason:
You are not allowed to view this website.
http://www.evil.com/
For more information or if you believe the website has been incorrectly blocked, please contact your
Technicolor Gatewayadministrator.

Address-based filtering

With address-based filtering (or URL-filtering) you can *block web sites based on their address* (for example www.porn.com).

Content-based filtering

As you know, the Internet consists of a large number of web sites, and that number still increases every day. This makes it almost impossible to keep the list of addresses up-to-date.

To solve this problem MediaAccess Gateway introduced content-based filtering.

With content-based filtering you can *block web sites based on their content category* (for example pornography) instead of their URL. This way, you only need to select the appropriate categories and the content category server takes care of the rest. This content category server is updated at regular intervals.

Combining the two filters

Address-based filtering has priority over content-based filtering. This means that when you are blocking a specific category, you can still access a specific address provided you create a rule to allow access to that URL.

For example, if you are blocking content from the **Finance / Investment** category, you can create a rule to make an exception for netbanking.mybank.com.

Activating content-based filtering

Before you can use content-based filtering you must first activate it by purchasing a license key at your service provider or by activating the 30-day trial.

Proceed as follows:

1   Browse to the *MediaAccess Gateway GUI*.
    For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2   On the **Toolbox** menu, click **Parental Control**.

3   In the **Pick a task** list, click **Activate Web Filtering** License.

4   The **Web Filtering Activation** page appears. Under **License Type**, select:

    ‣ **30-days evaluation** if you first want evaluate this feature.

    ‣ **Standard** if you have already purchased a license key. The License key box appears as soon as you select this option. Type the license key that you received from your service provider in this box.

5   Click **Apply**.

Option 1: content-based filter (combined with the address-based filter)

If you want to use the content-based filtering:

1 Browse to the *MediaAccess Gateway GUI*.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Parental Control**.

3 On the *Navigation bar*, click **Configure**.

4 Make sure that the **Use Content-Based Filter** check box is selected.

5 Configure the content-based filter. For more information, see *"10.1.1 Configuring Content-based Filtering" on page 94*.

6 If you want to make exceptions for specific web sites, add the necessary rules in the address-based filter. For more information, see *"10.1.2 Adding Rules for Address-Based Filtering" on page 95*.

Option 2: address-based filter only

Take this option if content filtering is not available on your MediaAccess Gateway or you don't want to use it.

To configure address-based filtering:

1 Browse to the *MediaAccess Gateway GUI*.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Parental Control**.

3 On the *Navigation bar*, click **Configure**.

4 Make sure that the **Use Address-Based Filter** check box is selected.

5 In the **Action for Unknown Sites**, select:

   ‣ **Allow** as the default rule if you want to allow access to *all* web sites and manually specify which web sites may not be accessed.

   ‣ **Block** as the default rule if you want to deny access to *all* web sites and manually specify a number of web sites that may be accessed.

6 Click **Apply**.

7 If you want to make exceptions for specific web sites, add the necessary rules in the address-based filter.

   For more information, see *"10.1.2 Adding Rules for Address-Based Filtering" on page 95*.

10.1.1 Configuring Content-based Filtering

Requirements

Content-based filtering must be activated on your MediaAccess Gateway.

For more information, see *"Activating content-based filtering" on page 92*.

Accessing the configuration page

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
  For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Parental Control**.

3 On the *Navigation bar*, click **Configure**.

4 Under **Content-Based Filtering** you can change the settings of the content-based filter.

Configuration

Under **Content-Based Filtering**:

1 Select **Use Content-Based Filter** check box (if needed).

2 In the **Action for uncategorised sites** list, select a default action for sites that have not yet been categorised.

3 Under **Content Level**, select the content level you want to use.

  If you want a more detailed view of the content that will be blocked for this level, click the **Edit** link next to the content level.

  If needed, you can change the **Name**, **Description** and **Configuration** of the content level.

4 Click **Apply** after you have made your changes.

Creating your own content level

Proceed as follows:

1 In the **Pick a task** list, click **Create a new content level**.

2 Enter a **Name** and **Description** for your content level and click **Next**.

3 Under **Configuration**, select:
  ‣ **Clone Existing Level** if you want to start from an existing level. You can now select the level that you want to clone.
  ‣ **White list** if you want to block everything and select which content should be allowed.
  ‣ **Black list** if you want to allow everything and select which content should be blocked.
  Click **Next**.

4 Under **Configuration**:
  ‣ Select the check boxes of the categories/groups you want to allow.
  ‣ Clear the check boxes of the categories/groups you want to block.

5 Click **Apply**.

6 Configure the content-based filter with the new level. For more information, see *"Configuration" on page 94*.

10.1.2 Adding Rules for Address-Based Filtering

Introduction

Address-based filtering has a higher priority than content-based filtering. This means that when you are blocking a specific category, you can still access a specific site if you allow it in the address-based filter.

Example

If you block content from the **Finance / Investment** category and allow access to netbanking.mybank.com, netbanking.mybank.com will still be accessible.

Options

With the address-based filter you can:

- *Deny access to a specific web site.*
- *Allow access to a specific web site.*
- *Redirect a web site.*
- *Redirect all web sites.*

Deny access to a specific web site

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Parental Control**.

3 Make sure the **Use Address-Based Filter** check box is selected.

4 Type the URL of the Web site you want to block (for example "mail.provider.com") in the **Web Site** box.

5 In the **Action** list, click **Block**.

6 Click **Add**.

Allow access to a specific web site

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Parental Control**.

3 Make sure the **Use Address-Based Filter** check box is selected.

4 Type the URL of the Web site you want to allow (for example "netbanking.bank.com") in the **Web Site** box.

5 In the **Action** list, click **Allow**.

6 Click **Add**.

Redirect a web site

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Parental Control**.

3 Make sure the **Use Address-Based Filter** check box is selected.

4 Type the URL of the Web site you want to redirect (for example "cracks.am") in the **Web Site** box.

5 Click **Redirect** in the **Action** list.

6 Type the URL of the Web site you want to redirect to (for example "mycompany.com/internetpolicy.htm") in the **Redirect** box.

7 Click **Add**.

Redirect all web sites

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Toolbox** menu, click **Parental Control**.

3 Make sure the **Use Address-Based Filter** check box is selected.

4 Type "*" in the **Web Site** box.

5 Click **Redirect** in the **Action list**.

6 Type the URL of the Web site you want to redirect to (for example "mycompany.com/internetpolicy.htm") in the **Redirect** box.

7 Click **Add**.

10.2 Firewall

Introduction

The MediaAccess Gateway 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 adjusted the firewall to your needs.

The Firewall is disabled by default. This means that *all* traffic passing through the MediaAccess Gateway (from and to the Internet) is allowed.

Predefined security levels

The MediaAccess Gateway has a number of predefined security levels. The following levels are available:

- **BlockAll**:
  All traffic from and to the Internet is blocked. Game and Application Sharing is not allowed by the firewall.

  > Although BlockAll will block all connections, some mandatory types of traffic such as DNS will still be relayed between LAN and WAN by the MediaAccess Gateway.

- **Standard**:
  All outgoing connections are allowed. All incoming connections are blocked, except for inbound connections assigned to a local host via Game and Application Sharing. This is the *default firewall level*.

- **Disabled**:
  All in- and outgoing traffic is allowed to pass through your MediaAccess Gateway, including Game and Application Sharing.

  > The firewall levels only have impact on traffic passing through your MediaAccess Gateway. This means that the handling of traffic directly appointed from and to MediaAccess Gateway is independent of the selected firewall level.

  > Protocol checks will be performed on all accepted connections, irrespective of the chosen level.

Changing the security level

Proceed as follows:

1. Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.
2. On the **Toolbox** menu, click **Firewall**.
3. The **Firewall** page appears. In the upper-right corner, click **Configure**.
4. Under **Security Settings**, select the security level of your choice and click **Apply**.

Creating your own security level

Proceed as follows:

1. In the **Toolbox** menu click **Firewall**.
2. In the **Firewall** section, go to the **Configure** page.
3. In the **Pick a task** list, click **Create a new Security Level**.
4. In the **Name** box, type a name for the new security level and select an existing security level to clone from.
5. Click **Apply**.

   > Once you create a security level, you can not delete it anymore. It will always available in the list of available security levels.

6. A page with the firewall settings of your newly created security level appears. Click **Edit**.
7. Enter the following information:
   - ▸ The **Name** of the firewall rule.

‣ The **Source Interface** and **IP Address** (range).

    ⓘ   Use **Any** as IP address in case all traffic for the interface should be parsed.

Or you can type a **User-defined** IP address (range).

‣ The **Destination Interface** and **IP Address** (range)

    ⓘ   Use **Any** as IP address in case all traffic for the interface should be parsed.

Or you can type a **User-defined** IP address (range).

‣ The **Service** type of the traffic; this can be a protocol (DNS, SMTP,…) or a specific MediaAccess Gateway system service.

8   Select an **Action** that should be done on traffic for which the firewall rules applies:

‣ **Accept**: to allow the traffic to pass

‣ **Deny**: to drop the traffic (without notification)

‣ **Count**: to let the traffic pass, but count it (Hits)

9   Click **Apply**.

10.3 Access Control

Introduction

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

By default, all devices have constant access to the Internet. Access Control allows you to create exceptions on this rule by adding an access schedule for devices. You can define two schedules for each device:

■ One schedule for weekdays (Monday until Friday)
For example. On weekdays, your child's computer is allowed to access the Internet from 6:00 until 7:59 and from 19:00 until 21:59.

■ One schedule for the weekend (Saturday and Sunday)
For example. In the weekend, your child's computer is allowed to access the Internet from 9:00 until 22:59.

⚠ Depending on the software version used by your service provider, this feature may not yet be available on your MediaAccess Gateway.

Warning

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

Requirements

Before you can start:

■ Your MediaAccess Gateway must be connected to the Internet.

■ Your MediaAccess Gateway must use a time server for its time configuration.
For more information, see *"9.4 Network Time Server" on page 88*.

Creating an access schedule

Proceed as follows:

1 On the **Home Network**, click **Access Control**.

2 The **Access Control** page appears.

3 If you did not yet create an access rule for the device, select the device under **Device Access Scheduler** and click **Add**.

The selected device is now listed under **Current Scheduled Devices**.

4 Under **Current Scheduled Devices**, click the **Edit** button next to your device.

5 The **Device Access Editor** page appears. Select the hours for which you want to *allow* Internet access. For example, if you select **06** this means that access is allowed from 6:00 until 6:59.

6 Click **Apply**.

7 The schedule is now active.

Removing an access schedule

By removing the access schedule for a device, you will provide it constant access to the Internet.

Proceed as follows:

1 On the **Home Network**, click **Access Control**.

2 The **Access Control** page appears. Under **Current Scheduled Devices**, click the **Delete** button next to your device.

3 This device now has constant access to the Internet.

10.4 Wireless Time Control

Introduction

Wireless Time Control allows you to restrict wireless access to one or two sessions. This means that your wireless devices will not be able to connect to the Internet (or your local network) outside these time frames.

⚠️ Depending on the software version used by your service provider, this feature may not yet be available on your MediaAccess Gateway.

Warning

Make sure that the persons that use a wireless connection are aware of these time frames. This to avoid the loss of data or unexpected service interruption.

Requirements

Before you can start:

■ Your MediaAccess Gateway must be connected to the Internet.

■ Your MediaAccess Gateway must use a time server for its time configuration.
For more information, see *"9.4 Network Time Server" on page 88*.

Procedure

1 Browse to the Technicolor GUI.
For more information, see *"4.1 MediaAccess Gateway GUI" on page 32*.

2 On the **Home Network**, click **Access Control**.

3 The **Access Control** page appears. In the **Pick a task** list, click **Wireless Time Control**.

4 The **Wireless Network Time Control** page appears.

5 Select the **Enable Schedule** box.

6 Select a start time and end time for the first session.

7 Select a start time and end time for the second session.

8 Click **Apply**.

11 Support

Introduction

This chapter suggests solutions for issues that you may encounter while installing, configuring or using your MediaAccess Gateway.

If the suggestions do not resolve the problem, look at the support pages on www.technicolor.com or contact your service provider.

Topics

This chapter describes the following topics:

11.1 Setup Troubleshooting

Introduction

If you have trouble to install your MediaAccess Gateway with the Setup CD, try the suggested solutions in this section.

The Setup CD does not start automatically

If your computer runs:

- Microsoft Windows 7 and Vista:

    a Click the Windows **Start** button.

    b In the **Search programs and files** box, type the following path: **D:\Setup.exe**, where D stands for the drive letter of your CD- or DVD-ROM drive.
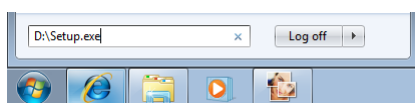
    c Press ENTER.

- Microsoft Windows XP:

    a Click the Windows **Start** button.

    b Click **Run**.

    c In the **Open** field, type the following path: **D:\Setup.exe**, where D stands for the drive letter of your CD- or DVD-ROM drive.

- Mac OS X:

    a On your desktop, double-click the CD icon.

    b Double-click **Menu**.

Your MediaAccess Gateway has not been found

If you see this error during setup, make sure that:

- The MediaAccess Gateway is turned on and fully initialized.
- Your computer has a valid IP address, that is any address but 0.0.0.0. For more information, consult the help of your operating system.
- No dedicated firewall device or router is placed between your computer and the MediaAccess Gateway.
- No personal network security software (for example firewall software) is running on your computer.
- Your computer is correctly connected to the MediaAccess Gateway.

11.2 General MediaAccess Gateway Troubleshooting

None of the LEDs light up (MediaAccess Gateway does not work)

Make sure that:

- The MediaAccess Gateway is plugged into a power socket outlet.

- You are using the correct power supply for your MediaAccess Gateway device.

  ℹ️ The power requirements for your MediaAccess Gateway are clearly indicated on the identification label of the MediaAccess Gateway. Only use the power adaptor supplied with your MediaAccess Gateway.

- The MediaAccess Gateway 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 *"3.1 Connecting the MediaAccess Gateway to your Service Provider's Network"*.

- The DSL service is enabled on your telephone line. For more information, contact your Internet Service Provider.

The Internet LED does not light up

If you must authenticate to connect to the Internet, make sure that your user name and password are correct.

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Broadband** menu, click **Internet Services**.

3 Under **Internet**, click **View More**.

4 Check your user name

5 Re-enter your password.

6 Click **Connect**.

MediaAccess Gateway unreachable

If you can not access your MediaAccess Gateway via your web browser or the Setup wizard, you might consider a hardware reset as described in *"11.7 Reset to Factory Defaults" on page 110*.

11.3 Wired Connection Troubleshooting

Ethernet LED does not light up

Make sure that:

- The Ethernet cable is securely connected to the Ethernet port on your MediaAccess Gateway and your computer.

- You are using the correct cable type for your Ethernet equipment, that is at least UTP CAT5 with RJ-45 connectors.

11.4 Wireless Connection Troubleshooting

No Wireless Connectivity

Try the following:

- Make sure that the wireless client adapter is enabled (message like "radio on").
- Make sure that the wireless client is configured for the correct wireless settings (Network Name, security settings).
- If the signal is low or not available, try to reposition the MediaAccess Gateway or (if available) redirect the antenna(s) of the MediaAccess Gateway for optimal performance.
- *Change the wireless channel*.

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 MediaAccess Gateway or (if available) redirect the antenna(s) of the MediaAccess Gateway for optimal performance.
- *Change the wireless channel*.
- Use WPA(2)-PSK as encryption.
  For more information, see *"5.4 Securing Your Wireless Connection" on page 44*.

Change the wireless channel

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
  For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 Under **Home Network**, click **Wireless**

      Wireless:

3 The **Wireless Access Point** page appears.

4 In the *Navigation bar*, click **Configure**.

5 Under **Configuration**, select the channel of your choice in the **Channel Selection** list.

6 Click **Apply**.

Can not connect via WPS

If you are having trouble connecting your wireless client via WPS, try to configure it manually. For more information, see *"5.2 Connecting Your Wireless Client without WPS" on page 42*.

11.5 Voice over IP Troubleshooting

Introduction

If you cannot make or receive any phone calls via your MediaAccess Gateway, try the suggestions in the following sections.

Calling over VoIP

If you have problems calling via VoIP, check whether:

- Your phone is correctly connected to the MediaAccess Gateway.
- Your phone number, user name, and password are configured correctly.
- The registrar's and proxy server's IP address and port number are configured correctly.
- The **Power**, **Broadband** and **Voice** LEDs are on.

Problems with Telephony Services

If you have a problem with a service, check whether the service is activated. For more information, see *"6.3.1 Activating a Telephony Service on your MediaAccess Gateway" on page 54*.

11.6 Content Sharing Troubleshooting

Getting the IP address of your USB storage device

The MediaAccess Gateway always uses the highest available address in your DHCP pool. When using the default settings this will be **192.168.1.253**.

You can always check the IP address as follows:

1 Browse to the MediaAccess Gateway GUI.
For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.

2 On the **Tools** menu, click **Content Sharing**.

3 Under **IP configuration**, you can find the IP address to use.

11.7 Reset to Factory Defaults

Resetting your MediaAccess Gateway

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

Warning

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

Also your wireless clients will have to be re-associated, as described in *"5 The MediaAccess Gateway Wireless Access Point" on page 39*.

Methods

You can choose between:

■ *Resetting the MediaAccess Gateway via the MediaAccess Gateway GUI*
■ *Reset the MediaAccess Gateway via the Reset button*

Resetting the MediaAccess Gateway via the MediaAccess Gateway GUI

Proceed as follows:

1 Browse to the *MediaAccess Gateway GUI*.
   For more information, see *"Accessing the MediaAccess Gateway GUI" on page 33*.
2 On the **Technicolor Gateway** menu, click **Configuration**.
3 In the **Pick a task** list, click **Reset my Technicolor Gateway**.
4 The MediaAccess Gateway restores the initial configuration and restarts.
5 The MediaAccess Gateway returns to the MediaAccess Gateway home page (unless the IP address of your computer is not in the same subnet as the default IP address of the MediaAccess Gateway, being 192.168.1.254).

Reset the MediaAccess Gateway via the Reset button

Proceed as follows:

1 Make sure the MediaAccess Gateway is turned on.
2 Push the **Reset** button for 7 seconds and the release it.
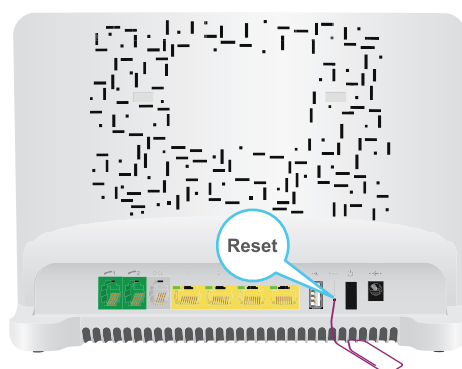
3   The MediaAccess Gateway restarts.

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

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SAFETY INSTRUCTIONS AND REGULATORY NOTICES

BEFORE YOU START INSTALLATION OR USE OF THIS PRODUCT, CAREFULLY READ THESE INSTRUCTIONS

⚠️ *When using this product, always follow the basic safety precautions to reduce the risk of fire, electric shock and injury to persons, including the following:*
- Always install the product as described in the documentation that is included with your product.
- Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use this product to report a gas leak in the vicinity of the leak.

Wireless

In case this product is equipped with a wireless transceiver, it uses Direct Sequence Spread Spectrum (DSSS) / Orthogonal Frequency Division Modulation (OFDM) radio technology. As such it is designed to be inter-operable with any other wireless DSSS/OFDM type product that:
- Complies with the IEEE802.11b/IEEE802.11g/IEEE802.11n Standard on Wireless LANs, as defined and approved by the Institute of Electrical and Electronics Engineers.
- Is Wi-Fi® CERTIFIED™ as defined by the Wi-Fi® Alliance.

Directive

Unless express and prior approval by Technicolor in writing, you may not:
- Disassemble, de-compile, reverse engineer, trace or otherwise analyse the equipment, its content, operation, or functionality,
  or otherwise attempt to derive source code (or the underlying ideas, algorithms, structure or organization) from the equipment,
  or from any other information provided by Technicolor, except to the extent that this restriction is expressly prohibited by local law;
- Copy, rent, loan, re-sell, sub-license, or otherwise transfer or distribute the equipment to others;
- Modify, adapt or create a derivative work of the equipment;
- Remove from any copies of the equipment any product identification, copyright or other notices;
- Disseminate performance information or analysis (including, without limitation, benchmarks) from any source relating to the equipment.

Such acts not expressly approved by Technicolor will result in the loss of product warranty and may invalidate the user's authority to operate this equipment in accordance with FCC Rules.

Technicolor disclaims all responsibility in the event of use that does not comply with the present instructions.

Environmental information

WEEE directive

This symbol means that your inoperative electronic appliance must be collected separately and not mixed with the household waste.The European Union has implemented a specific collection and recycling system for which producers are responsible.

This appliance has been designed and manufactured with high quality materials and components that can be recycled and reused.

Electrical and electronic appliances are liable to contain parts that are necessary in order for the system to work properly but which can become a health and environmental hazard if they are not handled or disposed of in the proper way. Consequently, please do not throw out your inoperative appliance with the household waste.

If you are the owner of the appliance, you must deposit it at the appropriate local collection point or leave it with the vendor when buying a new appliance.

- If you are a professional user, please follow your supplier's instructions.
- If the appliance is rented to you or left in your care, please contact your service provider.

Energy consumption

Energy savings - You have a role to play...

Learn how you can use and explore ways for using your electronic equipment.

The notice detailed useful information on all the features of your product but also on energy consumption. We strongly encourage you to carefully read the notice before putting your equipment in service to get the best service it can offer you.

By working together, we can reduce the impact we have on the earth!

Safety Instructions

Climatic conditions

This product:

- Is intended for in-house stationary desktop use; the maximum ambient temperature may not exceed 40°C (104°F).
- Must not be mounted in a location exposed to direct or excessive solar and/or heat radiation.
- Must not be exposed to heat trap conditions and must not be subjected to water or condensation.
- Must be installed in a Pollution Degree 2 environment (Environment where there is no pollution or only dry, nonconductive pollution).

Cleaning

Unplug this product from the wall socket and computer before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Water and moisture

Do not use this product near water, for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool. Transition of the product from a cold environment to a hot one may cause condensation on some of its internal parts. Allow it to dry by itself before re-starting the product.

Interface classifications

The external interfaces on the rear panel of the product are classified as follows:

- DSL, ADSL, SHDSL, VDSL, Line: TNV circuit, subjected to over voltages (TNV-3)
- ISDN: SELV circuit
- PSTN, FXO: TNV circuit, subjected to over voltages (TNV-3)
- Phone, VoIP, FXS: TNV circuit, not subjected to over voltages (TNV-2)
- All other interface ports (e.g. Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft, etc.), including the low voltage power input from the AC mains power supply: SELV circuits.

⚠️ *WARNING*
- The Phone, VoIP, FXS port will be classified as a *TNV-3* circuit when connected internally to the PSTN, FXO port, for example, when the device is powered off.
- If the product is equipped with a USB interface (slave and/or master) or any type of connector with metallic shielding, then it is not allowed to connect the Phone, VoIP, FXS port with the PSTN, FXO or the DSL, ADSL, SHDSL, VDSL, Line port by any means, for example with an external telephone cable.

Electrical powering

The powering of the product must adhere to the power specifications indicated on the marking labels.

The power supply must be Class II and a Limited Power Source in accordance with the requirements of IEC60950-1/EN60950-1, Clause 2.5 and rated as indicated on the label on your product. It must be tested and approved to national or local standards.

For US and Canada: This product is intended to be supplied by a Listed Direct Plug-in, or Desktop Power Unit marked "Class 2" and rated as indicated on the label on your product.

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 local product dealer.

ISDN

⚠️ *WARNING*
For US and Canada: Do not use the ISDN port; do not attempt to connect this port to the network at anytime.

USB

The device is to be connected to an identified USB port complying with the requirements of a Limited Power Source.

Telephone cable

⚠️ *CAUTION*
To reduce the risk of fire, use only No 26 AWG wire size or larger telecommunication line cord.

Connect the telecommunication line cord only in the PSTN, FXO, DSL, ADSL, SHDSL, VDSL or Line port of the product. Never plug the telecommunication line cord in another receptacle of the product.

Follow the installation instructions in the sequence as outlined in the installation guide.

Central splitter / distributed filter(s) (if applicable)

If telephone service is required on the same line, a central splitter or distributed filter(s) must be installed for optimal DSL performance.

Depending on your DSL configuration and type of splitter / filters, installation must be carried out by qualified service personnel. Consult your telephone service company or DSL service provider for instructions.

Accessibility

The Direct Plug-in power supply, or the plug on the power supply cord serves as disconnect device. Be sure that the power socket outlet you plug the power supply into is easily accessible and located as close to the equipment as possible.

Overloading

Do not overload mains supply socket outlets and extension cords as this increases the risk of fire or electric shock.

Servicing

To reduce the risk of electric shock, do not disassemble this product. None of its internal parts are user-replaceable; therefore, there is no reason to access the interior. Opening or removing covers may expose you to dangerous voltages. Incorrect reassembly could cause electric shock if the appliance is subsequently used.

If service or repair work is required, take it to a qualified service dealer.

Damage requiring service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply or its plug are damaged.
- When the attached cords are damaged or frayed.
- If liquid has been spilled into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally.
- If the product has been dropped or damaged in any way.
- There are noticeable signs of overheating.
- If the product exhibits a distinct change in performance.

5

Immediately disconnect the product if you notice it giving off a smell of burning or smoke. Under no circumstances must you open the equipment yourself; you run the risk of electrocution.

Regulatory Information

You must install and use this device in strict accordance with the manufacturer's instructions as described in the user documentation that is included with your product.

Before you start installation or use of this product, carefully read the contents of this document for device specific constraints or rules that may apply in the country where you want to use this product.

In some situations or environments, the use of wireless devices may be restricted by the proprietor of the building or responsible representatives of the organization.

If you are uncertain of the policy that applies on the use of wireless equipment in a specific organization or environment (e.g. airports), you are encouraged to ask for authorization to use this device prior to turning on the equipment.

Technicolor is not responsible for any radio or television interference caused by unauthorized modification of the device, or the substitution or attachment of connecting cables and equipment other than specified by Technicolor. The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

Technicolor and its authorized resellers or distributors are not liable for any damage or violation of government regulations that may arise from failing to comply with these guidelines.

Europe - European Union

European Community Declaration of Conformity

C E ① Hereby, Technicolor, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC of the European Parliament and of the Council.

This equipment can be used in all countries that are member of the European Union and that are member of the European Free Trade Association.

The Declaration of Conformity can be found on www.technicolor.com.

In case this product is equipped with a wireless transceiver:
- it is restricted to indoor use only.
- it complies with the basic restrictions and limits as defined in the European Council Recommendation (1999/519/EC) on the limitation of exposure of the general public to Electromagnetic fields.

This product complies with:
- Commission Regulation (EC) No 1275/2008 implementing Directive 2005/32/EC: Ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment.
- Commission Regulation (EC) 278/2009: Ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies.

North-America - Canada
Notification of Canadian Radio Frequency Interference Statement

This Class B digital apparatus complies with Canadian ICES-003.

NOTICE: This product meets the applicable Industry Canada technical specifications.

NOTICE: The ringer Equivalence Number (REN) for this terminal equipment is 0.1. The REN is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

Canada - Industry Canada (IC)

In case this product is equipped with an IEEE802.11b/IEEE802.11g/IEEE802.11n wireless transceiver, complying with RSS 210 and/or RSS 213 of Industry Canada, operation is subject to the following two conditions:

1 This device may not cause harmful interference.

2 This device must accept any interference received, including interference that may cause undesired operation of the device.

> *IMPORTANT NOTE*: *Radiation Exposure Statement*
> This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (8 inches) between the radiator and your body.

Restricted Frequency Band

In case this product is equipped with an IEEE802.11b/IEEE802.11g/IEEE802.11n wireless transceiver, it only uses channels 1 to 11 (2412 to 2462 MHz) on Canada territory.

North-America - United States of America
Federal Communications Commission (FCC) Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

■ Reorient or relocate the receiving antenna.

■ Increase the separation between the equipment and receiver.

■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FC 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.

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.

Responsible Party: Technicolor, 101W. 103rd St., Indianapolis, IN 46290 USA, 888-898-4377.

This equipment complies with Part 68 of the FCC Rules.

The customer information required for Telephone Terminal Equipment ("TTE") approved for connection to the Public Switched Telephone Network ("PSTN"), pursuant to 47 CFR §68.218(b)(1) can be found at www.technicolor.com.

RF-Exposure Statement

When the product is equipped with a wireless interface, then it becomes a mobile or fixed mounted modular transmitter and must have a separation distance of at least 20 cm (8 inches) between the antenna and the body of the user or nearby persons. In practice, this means that the user or nearby persons must have a distance of at least 20 cm (8 inches) from the modem and must not lean on the modem in case it is wall-mounted.

With a separation distance of 20 cm (8 inches) or more, the M(aximum) P(ermissible) E(xposure) limits are well above the potential this module is capable to produce.

The transmitter shall not be collocated with other transmitters or antennas.

Restricted Frequency Band

In case this product is equipped with an IEEE802.11b/IEEE802.11g/IEEE802.11n wireless transceiver, it may only use channels 1 to 11 (2412 to 2462 MHz) on U.S.A. territory.

CONSIGNES DE SÉCURITÉ ET INFORMATIONS RÉGLEMENTAIRES

AVANT D'INSTALLER OU D'UTILISER LE PRODUIT, LISEZ ATTENTIVEMENT CES INSTRUCTIONS

Afin d'éviter tout risque d'incendie, de choc électrique et de blessure corporelle, il convient d'utiliser le produit conformément aux mesures de sécurité de base, parmi lesquelles les suivantes:

- Respectez toujours les instructions d'installation détaillées dans la documentation accompagnant le produit.
- Évitez de connecter ou d'utiliser ce produit en cas d'orage.La foudre peut provoquer un faible risque de choc électrique.
- N'utilisez pas le produit pour signaler une fuite de gaz à proximité de cette fuite.

Réseau sans fil

Si le produit est équipé d'un émetteur-récepteur sans fil IEEE802.11b/IEEE802.11g/IEEE802.11n, il utilise la technologie radio DSSS (Modulation du spectre à séquence directe) / OFDM (Multiplexage par répartition orthogonale de la fréquence). En tant que tel, il est étudié pour fonctionner sans problèmes avec n'importe quel autre produit sans fils supportant la norme DSSS/OFDM qui:

- est conforme à la norme IEEE 802.11b/IEEE802.11g/IEEE802.11n relative aux réseaux locaux sans fil, telle que définie et approuvée par l'IEEE (Institute of Electrical and Electronics Engineers).
- est certifié Wi-Fi® CERTIFIED™ par l'Alliance Wi-Fi®.

Consignes à respecter

Sauf accord écrit explicite et préalable de Technicolor, vous ne pouvez pas:

- démonter, décompiler, décomposer, examiner ou analyser de quelque manière que ce soit l'appareil, son contenu, son fonctionnement ou ses fonctionnalités,

  ni tenter de copier le code source (ou les concepts sous-jacents, les algorithmes, la structure ou l'organisation) de l'appareil,

  ou de toute autre information fournie par Technicolor, sauf si cette restriction est expressément interdite par la législation locale;
- copier, louer, prêter, revendre, mettre sous licence, ni transférer ou distribuer l'appareil à des tiers;
- modifier, adapter ou créer un dérivé de l'appareil;
- retirer de l'appareil l'identification du produit, les droits d'auteur ou toute autre notification;
- diffuser des informations ou analyses relatives aux performances de l'appareil (y compris et sans restriction, les tests de performance) quelle que soit la source d'information.

Ces actes, réalisés sans l'accord explicite de Technicolor, entraînent la perte de la garantie du produit et enlèvent à l'utilisateur le droit d'employer l'équipement.

Technicolor rejette toute responsabilité en cas d'utilisation de l'équipement non conforme aux présentes instructions.

Environnement

Directive DEEE (WEEE)

Ce symbole signifie que votre appareil électronique hors d'usage doit être collecté séparément et non jeté avec les déchets ménagers. Dans ce but, l'Union Européenne a institué un système de collecte et de recyclage spécifique dont les producteurs ont la responsabilité.

Cet appareil a été conçu et fabriqué avec des matériaux et des composants de haute qualité pouvant être recyclés et réutilisés.

Les appareils électriques et électroniques sont susceptibles de contenir des éléments qui, bien qu'indispensables au bon fonctionnement du système, peuvent s'avérer dangereux pour la santé et l'environnement s'ils sont manipulés ou éliminés de manière incorrecte. Par conséquent, veuillez ne pas jeter votre appareil usagé avec les ordures ménagères.

Si vous êtes propriétaire de l'appareil, vous devez le déposer au point de collecte local approprié ou le remettre à votre vendeur contre l'achat d'un produit neuf.

- Si vous êtes un utilisateur professionnel, référez vous aux instructions de votre fournisseur.
- Si l'appareil vous est loué ou remis en dépôt, contactez votre fournisseur de service.

Consommation d'énergie

Économies d'énergie – Vous avez un rôle à jouer...

Découvrez comment utiliser votre appareil électronique.

Le mode d'emploi contient des informations utiles sur les différentes fonctionnalités du produit ainsi que sur la consommation d'énergie.

Nous vous recommandons de lire attentivement le mode d'emploi avant de mettre l'appareil en service afin de tirer le meilleur parti de ses fonctionnalités.

Ensemble, nous pouvons réduire l'impact de nos activités sur la planète.

Consignes de sécurité

Conditions climatiques

Ce produit:

- est conçu pour une utilisation fixe dans un bureau à une température ambiante maximale de 40°C (104°F).
- ne doit pas être installé dans un endroit exposé au rayonnement direct et excessif du soleil et/ou à des radiations de chaleur.
- ne doit pas être mis dans des conditions d'accumulation de chaleur et ne doit pas être soumis à l'humidité ou la condensation.
- doit être installé dans un environnement présentant un degré de pollution 2 (environnement exempt de pollution ou avec une pollution sèche, non conductrice).

Nettoyage

Débranchez l'appareil de la prise murale et de l'ordinateur avant de le nettoyer. N'utilisez pas de détergents liquides ou d'aérosols. Nettoyez-le avec un chiffon humide.

Eau et humidité

N'utilisez pas ce produit à proximité d'une arrivée d'eau, par exemple près d'une baignoire, d'un lavabo, d'un évier, d'une machine à laver, dans un sous-sol humide ou près d'une piscine. Le transfert de ce produit d'un environnement froid vers un environnement chaud peut entraîner l'apparition de condensation sur certaines parties internes. Laissez l'appareil sécher avant de le remettre en marche.

Classification des interfaces

Les interfaces externes situées sur le panneau arrière du produit sont spécifiées comme suit:

- DSL, ADSL, SHDSL, VDSL, Line: circuit TRT, sujet à des surtensions (TRT-3)
- ISDN: circuit TBTS
- PSTN, FXO: circuit TRT, sujet à des surtensions (TRT-3)
- Phone, VoIP, FXS: circuit TRT, non sujet à des surtensions (TRT-2)

> ⚠️ *AVERTISSEMENT*
> - Le port Phone, VoIP, FXS sera classifié comme un circuit *TRT-3* lorsqu'il est raccordé en interne au port PSTN, FXO, par exemple, lorsque le périphérique est mis hors tension.
> - Si le produit est équipé d'une interface USB (esclave et/ou maître) ou d'un autre type de connecteur avec un blindage métallique, il est interdit de relier le port Phone, VoIP, FXS au port PSTN, FXO ou au port DSL, ADSL, SHDSL, VDSL, Line par un moyen quelconque, par exemple, à l'aide d'un câble téléphonique externe.

- Tous les autres ports d'interface (par example, Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft, etc.), y compris l'entrée d'alimentation basse tension depuis l'alimentation du réseau: circuits TBTS.

Alimentation électrique

L'alimentation du produit doit respecter les spécifications en matière d'alimentation figurant sur les étiquettes.

L'alimentation doit être de classe II, être une source à puissance limitée conformément aux exigences de la norme CEI60950-1/ EN60950-1, clause 2.5, aux caractéristiques nominales comme indiquées sur l'étiquette fixée sur le produit. Elle doit être testée et répondre aux normes nationales ou locales.

Pour le Canada : Ce produit est destiné à être utilisé avec une alimentation directement enfichable, ou module de bureau et cataloguée de classe 2 aux caractéristiques nominales comme indiquées sur l'étiquette fixée sur le produit.

L'utilisation d'autres types de sources d'énergie est interdite. Si vous n'êtes pas certain du type d'alimentation nécessaire, veuillez consulter la documentation fournie avec le produit ou contacter votre revendeur local.

ISDN

⚠️ *Avertissement !*
Pour le Canada : N'utilisez pas le port ISDN et n'essayez jamais de connecter ce port au réseau.

USB

L'appareil doit être connecté à un port USB identifié qui réponde aux besoins d'une source à puissance limitée.

Câble téléphonique

⚠️ *ATTENTION*
Pour réduire les risques d'incendie, utilisez uniquement des conducteurs de télécommunications 26 AWG ou de section supérieure.

Connectez uniquement le câble téléphonique dans la prise PSTN, FXO, DSL, ADSL, SHDSL, VDSL ou Line du produit. Ne le branchez jamais dans une autre prise du produit.

Suivez la procédure pour connecter les câbles au produit en suivant la séquence décrite dans le guide d'installation.

Répartiteur central / filtre(s) distribués (le cas échéant)

Si les signaux téléphoniques doivent arriver sur la même ligne, un répartiteur central ou un (des) filtre(s) distribué(s) doivent être installés pour garantir une performance DSL optimale.

Selon votre configuration DSL et le type de répartiteur/filtres, l'installation doit être effectuée par un membre du personnel d'entretien qualifié. Consultez votre opérateur de télécommunications ou votre fournisseur de service DSL pour obtenir des instructions.

Accessibilité

L'alimentation enfichable directement ou la fiche de prise de courant du câble d'alimentation aussi de système de déconnexion. Assurez-vous donc que le socle de la prise dans laquelle vous branchez le cordon d'alimentation est facilement accessible, et est située le plus près possible de l'équipement.

Surcharge

Ne surchargez pas les socles des prises du réseau d'alimentation ni les rallonges car ceci augmente les risques d'incendie et de choc électrique.

Entretien

Pour réduire les risques de choc électrique, ne démontez pas ce produit. Aucune de ses pièces internes ne peut être remplacée par un non-professionnel; il n'y a dès lors pas de raison de l'ouvrir. L'ouverture ou le retrait des couvercles peut vous exposer à des tensions dangereuses. Un remontage incorrect peut entraîner un choc électrique lors de l'utilisation suivante.

Si votre appareil doit être réparé ou révisé, confiez-le à un distributeur agréé.

Détérioration nécessitant une intervention

Débranchez ce produit de la prise murale et faites effectuer la réparation par un service après-vente qualifié dans les cas suivants:

- Si l'alimentation ou sa fiche sont endommagées.
- Si un des câbles fournis est endommagé ou effiloché.
- Si vous avez renversé du liquide dans le produit.
- Si le produit a été exposé à la pluie ou à de l'eau.
- Si le produit ne fonctionne pas normalement.
- Si le produit est tombé ou a été endommagé d'une façon quelconque.
- S'il y a un signe perceptible de surchauffe.
- Si le produit présente des variations importantes au niveau des performances.

Débranchez immédiatement le produit si vous remarquez qu'il s'en dégage une odeur de brûlé ou de la fumée. Vous ne devez en aucun cas ouvrir l'appareil vous-même car vous risquez d'être électrocuté.

Avis réglementaire

L'appareil doit être installé et utilisé en stricte conformité avec les instructions du fabricant, énoncées dans la documentation accompagnant le produit.

Avant d'installer ou d'utiliser le produit, lisez attentivement ce document afin de prendre connaissance des restrictions spécifiques à l'appareil ou des règles en vigueur dans le pays où vous comptez l'utiliser.

Dans certains environnements ou circonstances, l'emploi de dispositifs sans fil peut être prohibé par le propriétaire du bâtiment ou les représentants responsables de l'organisation concernée.

En cas de doute quant à la politique s'appliquant à l'utilisation d'équipements sans fil dans une organisation ou un environnement spécifique (par exemple dans les aéroports), il est recommandé de demander la permission d'utiliser l'appareil avant de l'allumer.

Technicolor n'est pas responsable des interférences avec les postes de radio ou de télévision susceptibles de survenir à la suite d'une modification non autorisée de l'appareil ou du remplacement ou de la connexion de câbles et d'équipements non agréés par Technicolor. C'est par conséquent à l'utilisateur qu'il incombe de remédier aux interférences causées par de telles manipulations.

Technicolor et ses revendeurs et distributeurs agréés déclinent toute responsabilité quant aux dommages ou violation des réglementations nationales découlant du non-respect de ces instructions.

Europe – l'Union Européenne

Déclaration de conformité pour la Communauté Européenne

$C \in \mathbb{O}$ Par la présente Technicolor déclare que l'appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/CE du Parlement européen et du Conseil.

Ce produit peut être utilisé dans les pays membres de l'Union Européenne et de l'Association Européenne de Libre Échange.

Vous pouvez trouver la déclaration de conformité sur le site www.technicolor.com.

Dans le cas où ce produit est équipé d'un récepteur sans fil IEEE802.11b/IEEE802.11g/IEEE802.11n:

- son usage est limité à l'intérieur d'un bâtiment.
- il est conforme aux restrictions et limites telles que définies par la recommandation (1999/519/CE) du conseil Européen relative à la limitation de l'exposition du public aux champs électromagnétiques.

Compatibilité du produit :

- Règlement (CE) No 1275/2008 de la Commission du 17 décembre 2008 portant application de la directive 2005/32/CE du Parlement européen et du Conseil en ce qui concerne les exigences d'écoconception relatives à la consommation d'électricité en mode veille et en mode arrêt des équipements ménagers et de bureau électriques et électroniques.
- Règlement (CE) No 278/2009 de la Commission du 6 avril 2009 portant application de la directive 2005/32/CE du Parlement européen et du Conseil en ce qui concerne les exigences d'écoconception relatives à la consommation d'électricité hors charge et au rendement moyen en mode actif des sources d'alimentation externes.

Amérique du Nord – Canada

Déclaration Canadienne d'interférence de Fréquence Radio.

Cet appareil numérique de Classe B est conforme à la norme canadienne NMB-003.

NOTE: Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.

NOTE: L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

Canada - Industrie Canada (IC)

Si le produit est équipé d'un émetteur-récepteur sans fil IEEE802.11b/IEEE802.11g/IEEE802.11n, il est conforme à la norme RSS-210 et/ou RSS-213 de Industrie Canada. L'utilisation de ce dispositive est autorisée seulement aux deux conditions suivant:

1 il ne doit pas produire de brouillage, et
2 l'utilisateur du dispositivf doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif

⚠ *Notice Importante: Avis radiation énoncées*
Cet équipement se conforme avec les limites d'exposition aux radiations énoncées pour un environnement incontrôlé. Il doit être installé et opéré avec une distance minimale de 20 cm (8 inches) entre la source de radiation et votre corps.

Bande de fréquence restreinte

Si le produit est équipé d'un émetteur-récepteur sans fil IEEE802.11b/IEEE802.11g/IEEE802.11n, il utilise uniquement les canaux 1 à 11 (2 412 à 2 462 MHz) sur le territoire canadien.

SICHERHEITSHINWEISE UND ZULASSUNGSBESTIMMUNGEN

LESEN SIE VOR BEGINN DER INSTALLATION ODER DES GEBRAUCHS DIESES PRODUKTES AUFMERKSAM DIESE ANWEISUNGEN

⚠️ *Befolgen Sie beim Gebrauch dieses Produktes stets die grundlegenden Sicherheitsmaßnahmen, um das Risiko von Feuer, elektrischem Schlag und Verletzung von Personen zu reduzieren, einschließlich folgendem:*

- Installieren Sie das Produkt stets wie in der Ihrem Produkt beiliegenden Dokumentation beschrieben.
- Vermeiden Sie den Gebrauch dieses Produktes während eines Gewitters. Es besteht das entfernte Risiko eines Stromschlags durch Blitzeinschlag.
- Gebrauchen Sie dieses Produkt nicht zur Meldung von ausströmendem Gas in der Nähe der Ausströmungsstelle.

Drahtloses LAN

Wenn dieses Produkt mit einem kabellosen Transceiver ausgestattet ist, wird die Funktechnik DSSS (Direct Sequence Spread Spectrum)/OFDM (Orthogonal Frequency Division Modulation) eingesetzt. Demzufolge ist es für eine Interoperabilität mit anderen drahtlosen DSSS/OFDM-Produkten konstruiert, die:

- dem vom Institute of Electrical and Electronics Engineers festgelegten und genehmigten IEEE802.11b/ IEEE802.11g/IEEE802.11n-Standard für drahtlose LANs entsprechen.
- gemäß den Vorschriften von Wi-Fi®-Alliance Wi-Fi® CERTIFIED™ (zertifiziert) wurden.

Richtlinien

Sofern nicht ausdrücklich und eindeutig in schriftlicher Form von Technicolor erlaubt, ist es nicht gestattet:

- das Gerät zu demontieren, seinen Inhalt auseinanderzunehmen, die Betriebsweise oder Funktionalität nachzubauen, nachzuempfinden oder auf eine andere Weise zu analysieren,

  oder zu versuchen, den Quellcode (oder die zu Grunde liegenden Ideen, Algorithmen, Strukturen oder Organisationen) vom Gerät,

  oder von jeglichen anderen von Technicolor gelieferten Informationen abzuleiten, es sei denn, das es das anwendbare Recht ungeachtet dieser Einschränkung ausdrücklich gestattet;
- eine Kopie des Geräts zu erstellen, das Gerät an Dritte zu vermieten, zu verleihen, wiederzuverkaufen, zu lizenzieren oder auf andere Weise weiterzuvermitteln oder zu vertreiben;
- das Gerät zu modifizieren, anzupassen oder einen Nachbau davon anzufertigen;
- die Produktkennung, Copyright-Informationen oder andere Hinweise von Exemplaren dieses Geräts zu entfernen;
- aus jedwelchen Quellen zum Gerät stammende Leistungsdaten oder -analysen zu verbreiten (einschließlich Benchmarks, ohne jede Einschränkung).

Bei Zuwiderhandlung ist mit dem Verlust des Gewährleistungsschutzes und der Betriebserlaubnis zu rechnen.

Technicolor übernimmt keinerlei Haftung, wenn das Gerät nicht gemäß der vorliegenden Betriebsanleitung verwendet wird.

Umweltschutzinformationen

WEEE-Richtlinie

 Dieses Symbol bedeutet, dass Ihr nicht mehr betriebsfähiges Elektrogerät separat gesammelt wird und nicht mit dem Hausmüll entsorgt werden darf. Die Europäische Union hat diesbezüglich ein Sammel- und Recyclingsystem entworfen, in dem die Hersteller auch zu Entsorgern werden.

Dieses Gerät wurde mit hochwertigen Materialen und Komponenten gebaut, die recyclet und wiederverwertet werden können.

Elektrische und elektronische Geräte beinhalten Komponenten, die wohl für den ordnungsgemäßen Betrieb erforderlich sind, sich jedoch als gesundheits- und umweltschädlich zeigen, wenn sie unsachgemäß gehandhabt oder entsorgt werden. Bitte aus diesem Grund Ihr Altgerät nicht im Hausmüll entsorgen.

Wenn Sie Besitzer des Gerätes sind, dann dieses bitte an die spezifische Sondermüllsammelstelle bringen oder das Gerät bei Neukauf Ihrem Fachhändler übergeben.

- Falls Sie das Gerät gewerblich nutzen, bitte die Herstelleranweisungen befolgen.
- Falls Sie das Gerät in Leasing oder als Depotware hatten, bitte Ihren Vertragshändler kontaktieren.

Energieverbrauch

Energiesparen – Ihr Engagement ist gefragt …

Erfahren Sie, welche Möglichkeiten es gibt, Ihre elektronischen Geräte verantwortungsbewusst zu nutzen.

 Diese Mitteilung informiert Sie detailliert über die Merkmale Ihres Produkts und über den Energieverbrauch. Wir bitten Sie, diese Mitteilung genau zu lesen, bevor Sie Ihr Gerät in Betrieb nehmen, damit es reibungslos funktioniert.

Gemeinsam können wir dazu beitragen, die Erde für zukünftige Generationen zu erhalten.

Anweisungen zur Sicherheit

Klimatische Bedingungen

Dieses Produkt:

- Wurde entwickelt für stationärer Einsatz auf dem Schreibtisch in Innenräumen; die maximale Raumtemperatur darf 40°C nicht überschreiten.
- Darf keiner direkten oder übermäßigen Sonneneinstrahlung und/oder Hitze ausgesetzt werden.
- Darf keinen Hitzestaus ausgesetzt werden und nicht mit Wasser oder Kondenswasser in Berührung kommen.
- Muß einer Umgebung die den Verschmutzungsgrad 2 nicht überschreitet ausgesetzt werden (Die Umgebung muß frei von Verschmutzungen sein oder darf höchstens trockene, nicht leitende Verschmutzungseigenschaften aufweisen).

Reinigung

Trennen Sie das Gerät vor der Reinigung von der Steckdose und vom Computer. Verwenden Sie keine flüssigen Reinigungsmittel oder Sprühreiniger. Reinigen Sie das Gerät mit einem feuchten Tuch.

Wasser und Feuchtigkeit

Verwenden Sie das Gerät nicht in der Nähe von Wasser, wie beispielsweise einer Badewanne, Wasserschüssel, Spüle, einer Waschmaschine, in einem feuchten Keller oder in der Nähe eines Schwimmbeckens. Beim Transport von einer kalten in eine sehr warme Umgebung kann sich im Inneren des Geräts Kondenswasser bilden. Lassen Sie das Gerät von selbst trocknen, ehe Sie es einschalten.

Schnittstellenklassifizierungen

Die externen Schnittstellen an der Rückseite des Geräts werden wie folgt klassifiziert:

- DSL, ADSL, SHDSL, VDSL, Line: TNV-Schaltkreis, unterliegt Überspannungen (TNV-3)
- ISDN: SELV-Schaltkreis
- PSTN, FXO: TNV-Schaltkreis, unterliegt Überspannungen (TNV-3)
- Phone, VoIP, FXS: TNV-Schaltkreis, unterliegt keinen Überspannungen (TNV-2)

> ⚠️ **WARNUNG**
>
> - Der Phone-/VoIP-/FXS-Anschluss, wird als *TNV-3*-Schaltkreis klassifiziert, wenn er intern mit dem PSTN-/FXO-Anschluss verbunden ist, zum Beispiel, wenn das Gerät abgeschaltet ist.
> - Ist das Produkt mit einer USB-Schnittstelle (Slave und/oder Master) oder einem Anschlusstyp mit metallischer Abschirmung ausgestattet, darf der Phone-/VoIP-/FXS-Anschluss auf keine Weise, auch nicht mit einem externen Telefonkabel, mit dem PSTN-/FXO-, oder DSL-, ADSL-, SHDSL-, VDSL-, Line-Anschluss verbunden werden.

- Alle anderen Schnittstellenports (z. B. Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft usw.), einschließlich der Niedrigspannungszufuhr durch das Netzteil (AC): SELV-Schaltkreise.

Stromversorgung

Die auf dem Typenschild des Geräts angegebene Netzspannung muß mit der Ihres Stromnetzes übereinstimmen.

Das Gerät ist mit der Versorgungsspannung wie angegeben auf dem Etikett auf das Produkt zu betreiben. Die Stromversorgung muß gemäß IEC60950-1/ EN60950-1, Abschnitt 2.5, der Klasse II entsprechen, aus einer begrenzten Stromquelle stammen und den nationalen bzw. lokalen Standards entsprechen.

Die Verwendung anderer Energieversorgungsarten ist nicht gestattet. Falls Sie sich nicht sicher sind, ob Sie über die geeignete Stromversorgung verfügen, beziehen Sie sich bitte auf die mit dem Gerät gelieferten Unterlagen, oder wenden Sie sich an Ihren örtlichen Händler.

USB

Das Gerät muß an ein identifiziertes USB-Port angeschlossen werden, das die Anforderungen für eine begrenzten Stromquelle erfüllt.

Telefonkabel

⚠️ *ACHTUNG*: Um das Brandrisiko zu minimieren, sollten Sie nur Kabel des Typs 26 AWG oder noch leistungsfähigere Telefonkabel verwenden.

Schließen Sie das Telefonkabel nur an die Steckbuchsen PSTN, FXO, DSL, ADSL, SHDSL, VDSL, oder Line, des Geräts an. Stecken Sie das Telefonkabel niemals in andere Anschlüsse am Gerät ein.

Befolgen Sie die Anweisungen zum anschließen des Produktes in der gleichen Reihenfolge wie angegeben im Installationshandbuch.

Zentraler Verteiler/verteilte Filter (falls vorhanden)

Wenn auf derselben Leitung auch das Telefon verwendet werden soll, müssen ein zentraler Verteiler oder ein bzw. mehrere verteilte Filter installiert werden, um die optimale DSL-Leistung zu erzielen.

Je nach DSL-Konfiguration und verwendetem Verteiler- bzw. Filtertyp muß die Installation von qualifizierten Fachkräften durchgeführt werden. Wenden Sie sich an Ihre Telefongesellschaft oder Ihren DSL-Anbieter, um genauere Anweisungen zu erhalten.

Zugang

Das Direct Plug-In-Netzteil dient als Verbindungstrenner. Achten Sie darauf, das die Netzsteckdose, an die Sie das Netzteil anschließen, leicht zugänglich ist und sich möglichst nah beim Gerät befindet.

Überlastung

Vermeiden Sie eine Überlastung der Hauptsteckdosen mit Mehrfachsteckern und Verlängerungskabeln. Dies erhöht die Brandgefahr und das Risiko von Stromschlägen.

Kundendienst

Um das Risiko von Stromschlägen zu verringern, sollten Sie dieses Gerät nicht auseinandernehmen. Keines der inneren Teile kann vom Benutzer ausgetauscht werden, daher besteht keine Veranlassung, das Gerät zu öffnen. Beim Öffnen des Geräts oder Entfernen der Abdeckungen können Sie sich gefährlichen Spannungen aussetzen. Wird das Gerät fehlerhaft zusammengebaut, besteht beim anschließenden Einschalten des Geräts die Gefahr von Stromschlägen. Wenn Wartungs- oder Reparaturarbeiten erforderlich sind, bringen Sie das Gerät zu einem qualifizierten Servicehändler.

Fehlerbehebung

Trennen Sie das Gerät von der Steckdose, und überlassen Sie die Arbeiten qualifiziertem Kundendienstpersonal, wenn eines der folgenden Probleme auftritt:

- Das Netzteil oder der Netzstecker sind beschädigt.
- Die angeschlossenen Netzkabel sind beschädigt oder abgenutzt.
- In das Gerät ist Flüssigkeit eingedrungen.
- Das Gerät war Regen oder Wasser ausgesetzt.
- Das Gerät funktioniert nicht ordnungsgemäß.

- Das Gerät wurde fallengelassen oder in anderer Weise beschädigt.
- Das Gerät weist Zeichen von Überhitzung auf.
- Das Gerät weist eine erheblich veränderte Leistung auf.

Trennen Sie das Gerät unverzüglich vom Netz, wenn Sie Brand- oder Rauchgeruch feststellen. Öffnen Sie das Gerät auf keinen Fall selbst, Sie könnten einen Stromschlag erhalten.

Ausführungshinweis

Dieses Gerät muß unter strenger Befolgung der Anweisungen des Herstellers installiert und gebraucht werden, wie in der Ihrem Produkt beiliegenden Benutzerdokumentation beschrieben.

Lesen Sie vor Beginn der Installation oder des Gebrauchs dieses Produktes den Inhalt dieses Dokuments hinsichtlich spezifischer Einschränkungen oder Vorschriften, die in dem Land gelten, in dem Sie dieses Produkt gebrauchen möchten, sorgfältig durch.

In manchen Situationen oder Umgebungen kann der Gebrauch drahtloser Geräte durch den Eigentümer des Gebäudes oder verantwortliche Repräsentanten der Organisation eingeschränkt werden.

Falls Sie sich hinsichtlich der für den Gebrauch drahtloser Systeme in einer spezifischen Organisation oder Umgebung (zum Beispiel, in Flughäfen) geltenden Vorschriften nicht sicher sind, sollten Sie für den Gebrauch dieses Gerätes um Genehmigung bitten, bevor Sie das System einschalten.

Technicolor ist nicht verantwortlich für Radio- oder Fernsehinterferenzen aufgrund nicht autorisierter Veränderung des Gerätes oder des Austauschs oder Anbringens von Anschlusskabeln und Zubehör, die nicht von Technicolor spezifiziert wurden. Die Korrektur einer durch eine solche nicht autorisierte Veränderung, Austausch oder Anbringung ausgelöste Interferenz unterliegt der Verantwortung des Benutzers.

Technicolor und seine autorisierten Wiederverkäufer oder Händler sind nicht haftbar für Schäden oder die Übertretung von Regierungsbestimmungen, die sich aus einer Nichteinhaltung dieser Richtlinien ergeben.

Konformitätserklärung der Europäischen Gemeinschaft

$C \in \mathbb{O}$ Hiermit erklärt Technicolor, das sich dieses Produkt in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG des Europäischen Parlaments und des Rates befindet.

Dieses Gerät darf in den Ländern der EUROPÄISCHEN UNION sowie in allen Mitgliedsländer der Europäischen Freihandelsorganisation verwendet werden.

Die Konformitätserklärung finden Sie unter www.technicolor.com.

Falls das Produkt mit einem IEEE802.11b/IEEE802.11g/IEEE802.11n drahtlosen Sender/Empfänger ausgerüstet ist:
- sollte es nur im inneren Hausbereich benützt werden.
- stimmt es überein mit den grundlegenden Einschränkungen gemäß die Europäische Empfehlung (1999/519/EG) zur Begrenzung der Exposition der Bevölkerung gegenüber elektromagnetischen Feldern.

Dieses Produkt entspricht:

- Verordnung (EG) Nr. 1275/2008 der Kommission vom 17. Dezember 2008 zur Durchführung der Richtlinie 2005/32/EG des Europäischen Parlaments und des Rates im Hinblick auf die Festlegung von Ökodesign-Anforderungen an den Stromverbrauch elektrischer und elektronischer Haushalts- und Bürogeräte im Bereitschafts- und im Aus-Zustand.
- Verordnung (EG) Nr. 278/2009 der Kommission vom 6. April 2009 zur Durchführung der Richtlinie 2005/32/EG des Europäischen Parlaments und des Rates im Hinblick auf die Festlegung von Ökodesign-Anforderungen an die Leistungsaufnahme externer Netzteile bei Nulllast sowie ihre durchschnittliche Effizienz im Betrieb.

INSTRUCCIONES DE SEGURIDAD E INFORMACIÓN SOBRE REGULACIONES

ANTES DE QUE COMIENCE CON LA INSTALACIÓN DE ESTE PRODUCTO, LEA ATENTAMENTE ESTAS INSTRUCCIONES

⚠️ *Al utilizar este producto, siga siempre las precauciones de seguridad básicas para reducir el riesgo de incendios, choque eléctrico y lesiones a personas, lo que incluye lo siguiente:*

- Instale siempre el producto como se describe en la documentación que acompaña al producto.
- Evite la utilización de este producto durante una tormenta eléctrica. Aunque es poco probable, existe el riesgo de que se produzca una descarga eléctrica a causa de los rayos.
- No utilice este producto para informar de un escape de gas en las proximidades de dicho escape.

La LAN inalámbrica

Si este producto está equipado con un transmisor-receptor inalámbrico, utilizará tecnología de radio DSSS (Direct Sequence Spread Spectrum, espectro amplio de secuencia directa)/OFDM (Orthogonal Frequency Division Modulation, modulación por división de frecuencias de carácter orthogonal), por lo que es interoperable con otros productos inalámbricos DSSS/OFDM que:

- Cumplan la normativa IEEE 802.11b/IEEE802.11g/IEEE802.11n sobre LAN inalámbricas, según ha definido y aprobado el Instituto de Ingeniería Eléctrica y Electrónica (IEEE, por sus siglas en inglés).
- Posean la certificación Wi-Fi® CERTIFIED™ tal como define la Wi-Fi® Alliance.

Directiva

A menos que disponga de la previa aprobación expresa por escrito de Technicolor, no podrá:

- desensamblar, descompilar, realizar ingeniería inversa, examinar ni analizar de ninguna otra manera el equipo, su contenido, funciones,

  ni intentar por otros medios extraer el código fuente (ni las ideas, algoritmos, estructura u organización subyacentes) del equipo,

  o de alguna otra información proporcionada por Technicolor, excepto en los términos en que esta restricción sea aplicada por las leyes competentes;
- copiar, alquilar, ceder, revender, traspasar la licencia, ni transferir o distribuir de otra manera el equipo a terceros;
- modificar, adaptar ni crear trabajos derivados del equipo;
- retirar de ninguna de las copias del equipo la identificación del producto, el copyright u otros avisos;
- difundir información o análisis de rendimiento (incluidas, sin limitación, pruebas de referencia) de ninguna fuente relacionada con el equipo.

Aquellas actuaciones que no sean aprobadas expresamente por Technicolor acarrearán la pérdida de la garantía del producto y pueden invalidar la autoridad del usuario para trabajar con este equipo.

Technicolor renuncia a todo tipo de responsabilidad en caso de utilización que no se ajuste a lo expuesto en estas instrucciones.

Información medioambiental

Directiva RAEE (WEEE)

Este símbolo indica que el aparato eléctrico fuera de uso se debe desechar de forma independiente y nunca junto a los residuos domésticos. Con este propósito, la Unión Europea ha establecido un sistema de recolección y reciclaje específico en el que la responsabilidad recae sobre los productores.

Este aparato está diseñado y fabricado con materiales y componentes de alta calidad que se pueden reciclar y reutilizar.

Es muy probable que los aparatos eléctricos y electrónicos contengan elementos que, si bien son indispensables para el correcto funcionamiento del sistema, pueden resultar peligrosos para la salud y el medioambiente si su manipulación o eliminación se realiza de forma incorrecta. Por lo tanto, le rogamos que no deseche su aparato usado junto con los residuos domésticos.

Si usted es el propietario del aparato, debe depositarlo en el punto de recogida local correspondiente o entregarlo al vendedor a cambio de la adquisición de un aparato nuevo.

- Si usted es un usuario profesional, consulte las instrucciones de su proveedor.
- Si tiene el aparato en régimen de alquiler o en depósito, póngase en contacto con su proveedor de servicios.

Consumo de energía

Ahorro de energía: usted puede contribuir...

Aprenda a utilizar su equipo electrónico y descubra nuevas formas de usarlo.

En el aviso se incluye información detallada y práctica sobre todas las funciones del producto y también sobre el consumo de energía.

Le recomendamos que lea atentamente el aviso antes de poner en funcionamiento el equipo para así aprovechar todo su potencial.

Si colaboramos, podemos reducir el efecto negativo que nuestras actividades tienen en el planeta.

Instrucciones de seguridad

Condiciones climáticas

Este producto:

- Ha sido diseñado para su uso en equipos de un edificio; la temperatura ambiente máxima no puede exceder de 40°C (104°F).
- No deberá montarse en una ubicación expuesta a radiación solar o térmica directa o excesiva.
- No deberá exponerse a condiciones de acumulación de calor ni deberá exponerse a agua o condensación.
- Debe instalarse en un entorno con grado de contaminación 2 (un entorno libre de contaminación o bien ésta sólo es seca, no conductora).

Limpieza

Desconecte éste producto del ordenador antes de limpiar. No emplee limpiadores líquidos o en aerosol. Utilice un paño húmedo para la limpieza.

Agua y humedad

No utilice este producto cerca del agua, por ejemplo, cerca de una bañera, lavabo, fregadero de cocina, lavadero, en un suelo húmedo o cerca de una piscina. El traslado del producto de un entorno frío a otro caliente puede provocar condensación en algunas de sus partes internas. Deje que se seque antes de reiniciar el producto.

Clasificaciones de interfaz

Las interfaces externas del panel posterior del producto se clasifican de la siguiente manera:

- DSL, ADSL, SHDSL, VDSL, Line: circuito TNV, sujeto a excesos de voltaje (TNV-3)
- ISDN: circuito SELV
- PSTN, FXO: circuito TNV, sujeto a excesos de voltaje (TNV-3)
- Phone, VoIP, FXS: circuito TNV, no sujeto a excesos de voltaje (TNV-2)

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⚠️

- El puerto de Phone, VoIP, FXS se clasificará como un circuito *TNV-3* cuando se conecta internamente al puerto PSTN, FXO, por ejemplo, cuando el dispositivo está apagado.
- Si el producto está equipado con una interfaz USB (esclavo y/o maestro) o cualquier tipo de conector con recubrimiento metálico, no será posible conectar el puerto de Phone, VoIP, FXS al puerto PSTN, FXO o DSL, ADSL, SHDSL, VDSL, Line de ningún modo, por ejemplo, con un cable telefónico externo.

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- Todos los demás puertos de interfaz (p. ej., Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft, etc.), incluida la potencia utilizada de baja tensión de la fuente de alimentación de corriente alterna: circuitos SELV.

Alimentación eléctrica

La alimentación eléctrica del producto debe ajustarse a las especificaciones indicadas en las etiquetas de marcado.

La fuente de alimentación debe ser de Clase II y una Fuente de alimentación limitada de acuerdo con los requisitos de IEC60950-1/ EN60950-1, cláusula 2.5 y estar clasificada como se indica en la etiqueta del producto. Debe ser probada y aprobada para los estándares nacionales o locales.

Queda prohibida la utilización de otros tipos de fuente de alimentación. Si no conoce con seguridad el tipo de fuente de alimentación necesaria, consulte la documentación del usuario del producto o bien póngase en contacto con su distribuidor local del producto.

USB

El producto debe conectarse a un puerto USB identificado que cumple los requisitos de fuente de alimentación limitada.

Cable del teléfono

⚠ *PRECAUCIÓN*: Para reducir el riesgo de incendio, utilice únicamente un cable de línea de comunicaciones de tamaño nº 26 AWG o mayor.

Conecte el cable de línea de comunicaciones únicamente en el receptáculo PSTN, FXO, DSL, ADSL, SHDSL, VDSL, o Líne del producto. No enchufe nunca el cable de línea de comunicaciones en otro receptáculo del producto.

Para conectar los cables al producto siga el procedimiento tal y como se indica en la guía de instalación.

Separador central/filtro(s) de distribución (si procede)

Si se necesita servicios de telefonía en la misma línea, deberá instalar un separador central o filtros de distribución para obtener un rendimiento óptimo de DSL.

Dependiendo de la configuración de DSL y del tipo de separador o filtros que necesite, la instalación deberá llevarla a cabo personal de servicio técnico cualificado. Consulte a la compañía de servicios telefónicos o al proveedor de servicios DSL si desea obtener instrucciones.

Accesibilidad

La fuente de alimentación de conexión directa sirve como dispositivo de desconexión. Asegúrese de que el enchufe de alimentación en el que conecta la fuente de alimentación es de fácil acceso y que se encuentra lo más cercano posible al equipo.

Sobrecarga

No sobrecargue los enchufes de alimentación eléctrica ni los cables alargadores ya que aumenta el riesgo de incendio o de descarga eléctrica.

Servicio técnico

Para reducir el riesgo de descarga eléctrica, no desmonte este producto. Ninguno de los componentes internos puede ser sustituido por el usuario, por tanto no existe razón alguna para acceder al interior. La apertura o extracción de las cubiertas puede exponerle a tensiones peligrosas. Un reensamblaje incorrecto podría ocasionar una descarga eléctrico si utiliza el equipo posteriormente.

Si se requieren trabajos de servicio técnico o de reparación, lleve el producto a un representante de servicio técnico cualificado.

Daños que requieren servicio técnico

Desenchufe este producto de la toma de pared y solicite servicio técnico a personal cualificado ante estas condiciones:

- Cuando la fuente de alimentación o su enchufe estén dañados.
- Cuando los cables conectados estén dañados o deshilachados.
- Si se ha derramado líquido en el producto.
- Si el producto ha estado expuesto a la lluvia o al agua.
- Si el producto no funciona correctamente.
- Si el producto se ha caído o dañado de algún modo.

- Existen signos evidentes de sobrecalentamiento.
- Si el producto presenta un cambio notable en el rendimiento.

Desconecte inmediatamente el producto si observa que desprende un olor a quemado o humo. En ninguna circunstancia debe abrir el equipo usted mismo; corre el riesgo de electrocutarse.

Notificación sobre normativa

Debe instalar y utilizar este dispositivo cumpliendo estrictamente las instrucciones del fabricante, tal como se describen en la documentación para el usuario que acompaña al producto.

Antes de que comience con la instalación de este producto, lea atentamente el contenido de este documento sobre limitaciones y la normativa específica sobre este dispositivo que pueden aplicarse en el país en el que desea utilizarlo.

En algunas situaciones o en algunos entornos, la utilización de dispositivos inalámbricos puede estar restringida por el propietario del edificio o representantes responsables de la organización.

Si no está seguro de la política que corresponde al uso de equipo inalámbrico en una organización o un entorno concretos (por ejemplo, aeropuertos), le instamos a que pida autorización para utilizar este dispositivo antes de activar el equipo.

Technicolor no se responsabiliza de ninguna interferencia de radio o televisión ocasionada por la modificación no autorizada del dispositivo, ni por la sustitución o conexión de cables de conexión o equipo distintos de los especificados por Technicolor. La corrección de las interferencias ocasionadas por dichas modificaciones, sustituciones o conexiones no autorizadas será responsabilidad del usuario.

Technicolor y sus distribuidores autorizados quedan exentos de toda responsabilidad por los daños o el incumplimiento de las normativas gubernamentales que pudieran derivarse de la infracción de dichas pautas.

Declaración de conformidad de la Comunidad Europea

$C \in \mathbb{O}$ Por medio de la presente Technicolor declara que el producto cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE del Parlamento Europeo y del Consejo.

Este equipo puede utilizarse en todos los países miembros de la UNIÓN EUROPEA y de la países miembros de la Asociación Europea de Libre Comercio.

Puede consultar la Declaración de Conformidad en www.technicolor.com.

En caso que este producto sea equipado con un accesorio inalámbrico IEEE802.11b/IEEE802.11g/IEEE802.11n:

- Su uso está restringido sólo a espacios interiores.
- Cumple con las restricciones básicas y límites definidos en la Recomendación del Consejo (1999/519/EC) sobre limitación a la exposición de las personas en general, a campos electromagnéticos.

Este producto cumple con:

- Reglamento (CE) n o 1275/2008 de la Comisión, de 17 de diciembre de 2008 , por el que se desarrolla la Directiva 2005/32/CE del Parlamento Europeo y del Consejo en lo concerniente a los requisitos de diseño ecológico aplicables al consumo de energía eléctrica en los modos preparado y desactivado de los equipos eléctricos y electrónicos domésticos y de oficina.

- Reglamento (CE) n o 278/2009 de la Comisión, de 6 de abril de 2009 , por el que se desarrolla la Directiva 2005/32/CE del Parlamento Europeo y del Consejo en lo concerniente a los requisitos de diseño ecológico aplicables a la eficiencia media en activo de las fuentes de alimentación externas y a su consumo de energía eléctrica durante el funcionamiento en vacío.

INSTRUÇÕES DE SEGURANÇA E INFORMAÇÕES SOBRE NORMAS

ANTES DE INICIAR A INSTALAÇÃO OU A UTILIZAÇÃO DESTE PRODUTO, LEIA ATENTAMENTE ESTAS INSTRUÇÕES

Ao utilizar este produto, adote sempre as precauções básicas de segurança para reduzir o risco de incêndio, choque elétrico e acidentes para as pessoas, incluindo o seguinte:

- Instale sempre o produto conforme descrito na documentação que acompanha o produto.
- Evite utilizar este produto durante uma tempestade de raios. Pode haver um remoto risco de choque elétrico por causa dos raios.
- Não utilize este produto para informar um vazamento de gás nas proximidades do vazamento.

Wireless LAN

No caso deste produto estar equipado com um transceptor sem fio, ele usará a tecnologia de rádio Direct Sequence Spread Spectrum (DSSS) /Orthogonal Frequency Division Modulation (OFDM), portanto esse produto funciona com qualquer outro produto sem fio de tipo DSSS/OFDM que:

- seja compatível com a Norma IEEE 802.11b/IEEE802.11g/IEEE802.11n sobre LANs sem fio, conforme definida e aprovada pelo Instituto de Engenheiros Eletricistas e Eletrônicos (IEEE).
- seja Wi-Fi® CERTIFIED™, conforme definido pela Wi-Fi® Alliance.

Diretiva

Exceto se aprovado de forma expressa e antecipada pela Technicolor, por escrito, você não poderá:

- desmontar, decompilar, reverter a engenharia, rastrear ou analisar de outra forma o equipamento, seu conteúdo, funcionamento ou funcionalidade,

    ou, então, tentar derivar um código-fonte (ou idéias básicas, algoritmos, estrutura ou organização) do equipamento,

    ou com base em qualquer outra informação fornecida pela Technicolor, exceto até onde essa restrição seja expressamente proibida pela legislação local;

- copiar, alugar, emprestar, revender, sublicenciar ou, de outra forma, transferir ou distribuir o equipamento a terceiros;

- modificar, adaptar ou criar um trabalho oriundo do equipamento;

- remover de qualquer cópia do equipamento qualquer identificação do produto, notas de direitos autorais ou outras informações;

- divulgar informações ou análise do desempenho (incluindo, mas não se limitando a, padrões de desempenho) de qualquer fonte relacionada ao equipamento.

Tais atos não autorizados expressamente pela Technicolor resultarão na perda da garantia do produto e na proibição do uso deste equipamento por parte do usuário.

A Technicolor estará isenta de toda responsabilidade, no caso de uso incompatível com as instruções atuais.

Informações ambientais
Directriz REEE (WEEE)

Este símbolo significa que, em caso do seu equipamento ficar inutilizado, deverá ser colectado em separado do lixo doméstico. A união Europeia implementou um sistema específico de colecta e reciclagem, pelo o qual os fabricantes são responsáveis.

Este equipamento foi desenhado e manufacturado com materiais e componentes de alta qualidade que poderão ser reciclados e usados.

Os equipamentos eléctricos e electrónicos poderão conter componentes essenciais ao seu bom funcionamento mas, que poderão ser perigosos à saúde e ao ambiente se, não forem manuseados e usados da forma correcta. Assim, por favor, não coloque o seu equipamento inutilizado no lixo doméstico.

Se é o proprietário deste equipamento, deverá depositá-lo num local de colecta apropriado ou, devolvê-lo ao vendedor a quem o comprou.

- Se é um profissional, por favor, siga as instruções do seu fornecedor.
- Se este equipamento é alugado ou está a seu cargo, por favor contacte o seu provedor de serviços.

Consumo de energia

Economia de energia – você tem um papel a cumprir...

Aprenda a usar e explorar maneiras de usar o seu equipamento eletrônico.

O aviso detalhou informações importantes sobre os recursos do seu produto e também sobre o consumo de energia.

Recomendamos que você leia cuidadosamente o aviso antes de colocar o seu equipamento em funcionamento para obter o melhor serviço que ele puder oferecer.

Trabalhando juntos podemos reduzir o impacto na terra!

Instruções de segurança
Condições climáticas

Este produto:

- É elaborado para uso em uma área de trabalho fixa interna; a uma temperatura ambiente máxima de 40°C.
- Não deve ser montado em um local exposto à radiação solar direta ou excessiva e/ou ao calor.
- Não deve ser exposto a condições de retenção de calor, nem deve entrar em contato com água ou ficar sujeito à condensação.
- Deve ser instalado em um ambiente de Grau 2 de Poluição (ambiente em que não há poluição ou apenas uma poluição seca, não alastrável).

Limpeza

Desconecte este produto do computador antes da limpeza. Não utilize produtos de limpeza líquidos ou em aerossol. Use um pano úmido para a limpeza.

Água e umidade

Não use este produto perto de água, por exemplo, perto de uma banheira, pias, tanque, em uma área molhada ou perto de uma piscina. A transição do produto de um ambiente frio para um ambiente quente pode gerar condensação em algumas de suas partes internas. Deixe secar por conta própria, antes de reiniciar o produto.

Classificações da interface

As interfaces externas painel posterior do produto são classificadas como descrito a seguir:

- DSL, ADSL, SHDSL, VDSL, Line: Circuito TNV, sujeito a sobretensões (TNV-3)
- ISDN: Circuito SELV
- PSTN, FXO: Circuito TNV, sujeito a sobretensões (TNV-3)
- Phone, VoIP, FXS: Circuito TNV, não sujeito a sobretensões (TNV-2)

> ⚠️ *AVISO*
> - O porta Phone, VoIP, FXS, será classificado como um circuito *TNV-3* quando conectado internamente à porta PSTN, FXO por exemplo, quando o dispositivo estiver desligado.
> - Se o produto estiver equipado com uma interface USB (escrava e/ou mestre) ou com qualquer tipo de conector com blindagem metálica, não será permitido conectar ao porta Phone, VoIP, FXS com as portas PSTN, FXO ou DSL, ADSL, SHDSL, VDSL, Line mesmo que seja com um cabo de telefone externo.

- Todas as outras portas de interface (como a Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft, etc...), incluindo a entrada de alimentação de baixa tensão a partir de alimentação principal de corrente alternada: Circuitos SELV.

Alimentação elétrica

O sistema de alimentação de energia do produto deve estar de acordo com as especificações indicadas nas etiquetas de marcação.

A fonte de alimentação deve ser de Classe II e uma Fonte de Alimentação Limitada, em conformidade com as exigências do IEC60950-1/ EN60950-1, Cláusula 2.5 e com capacidade como e indicado na etiqueta do produto. Deve ser testado e aprovado em relação aos padrões nacionais ou locais.

É proibido usar outros tipos de fontes de alimentação. Se você não tiver certeza do tipo de fonte de alimentação necessária, consulte a documentação do usuário do produto ou entre em contato com o representante local do produto.

USB

O dispositivo deverá ser ligado a uma porta USB que cumpra o requisito de fonte de alimentação limitada.

Cabo telefônico

⚠️ *CUIDADO*
Para reduzir o risco de incêndio, use somente o tamanho de fio N° 26 AWG ou cabo maior de linha de telecomunicação.

Ligue o cabo da linha de telecomunicação somente no receptáculo PSTN, FXO, DSL, ADSL, SHDSL, VDSL, ou Line do produto. Nunca ligue esse cabo a qualquer outra entrada do produto.

Seguir o procedimento para conexão dos cabos ao produto, na mesma seqüência instruída e apresentada no guia de instalação.

Divisor central / filtro(s) distribuído(s) (se aplicável)

Se um serviço telefônico for necessário na mesma linha, um divisor central ou filtro(s) distribuído(s) deverão ser instalados para se obter o máximo desempenho do DSL.

Dependendo da configuração do DSL e do tipo de divisores/filtros, a instalação deve ser feita por pessoal técnico qualificado. Consulte a empresa de serviços telefônicos ou provedor de serviços de DSL para obter instruções.

Acessibilidade

A fonte de alimentação de plugue direto funciona como um dispositivo de desconexão. Certifique-se de que a tomada do soquete de energia, que recebe a fonte de alimentação, esteja bastante acessível e localizada o mais perto possível do equipamento.

Sobrecarga

Não sobrecarregue as saídas principais e os fios de extensão porque isso aumenta o risco de incêndio ou choque elétrico.

Assistência

Para reduzir o risco de choque elétrico, não desmonte este produto. Nenhuma de suas partes internas devem ser substituídas pelo usuário; sendo assim, não há motivo para acessar o interior do equipamento. A abertura ou remoção das tampas pode expor o usuário a tensões perigosas. A remontagem incorreta pode causar choque elétrico se o dispositivo for usado em seguida.

Se for necessária a assistência ou reparo, leve o equipamento a um prestador de serviços qualificado.

Danos que exigem assistência

Se verificar a existência de alguma das seguintes condições, desligue este produto da tomada de energia e solicite assistência a um técnico qualificado:

- Quando a fonte de alimentação ou o plugue estiver danificada(o).
- Quando os cabos acoplados estiverem danificados ou esfiapados.
- Se qualquer líquido tiver sido derramado sobre o produto.
- Se o produto tiver sido exposto à chuva ou água.
- Se o produto não funcionar normalmente.

- Se o produto tiver caído ou estiver danificado de alguma forma.
- Se o produto apresentar uma mudança perceptível no desempenho.
- Não há sinais perceptíveis de superaquecimento.

Desligue imediatamente o produto, se ele exalar cheiro de queimado ou fumaça. Em hipótese alguma você deverá abrir o equipamento; há risco de eletrocussão.

Notificação sobre a regulamentação

Instale e utilize este dispositivo observando rigorosamente as instruções do fabricante, conforme escrito na documentação do usuário que acompanha o produto.

Antes de iniciar a instalação ou a utilização deste produto, leia atentamente o conteúdo deste documento e localize as regras ou restrições específica para o dispositivo, que possam se aplicar ao país onde você deseja usar este produto.

Em algumas situações ou ambientes, o uso dos dispositivos sem fio pode ser restringido pelo proprietário do prédio ou pelos representantes responsáveis pela organização.

Caso não tenha certeza sobre a política aplicável quanto ao uso de equipamentos sem fio em uma organização ou ambiente específico (em aeroportos, por exemplo), procure pedir autorização de uso deste dispositivo para ligar o equipamento.

Technicolor não se responsabiliza por qualquer interferência de rádio ou televisão causada por modificações não autorizadas feitas ao dispositivo, nem pela substituição ou pela inserção dos cabos do equipamento de maneira diferente da especificada pelo Technicolor. A correção da interferência causada por essa modificação não autorizada, substituição ou ligação errada será de responsabilidade do usuário.

Technicolor e seus revendedores ou distribuidores autorizados não se responsabilizam por qualquer dano ou violação das regulamentações do governo que sejam oriundas da não observança destas diretrizes.

Declaração de Conformidade da Comunidade Européia

CE ① A Technicolor declara neste documento que este produto está em conformidade com os requisitos básicos e com outras provisões relevantes da Directiva 1999/5/CE del Parlamento Europeo y del Consejo.

Este equipamento pode ser usado em todos países membros da União Européia e em todos os países membros da Associação Européia de Livre Comércio.

A Declaração de Conformidade pode ser encontrada em www.technicolor.com.

Em caso que esse Produto é equipado com um transmissor/receptor sem fio IEEE802.11b/IEEE802.11g/IEEE802.11n:

- O uso é limitado ao interior só
- É compatível com as restrições básicas e limites básicos como definidos em Council Recommendation (1999/519/EC) sobre a limitação de exposição do grande público aos radiações.

Este produto está em conformidade com:

- Regulamento (CE) n. o 1275/2008 da Comissão, de 17 de Dezembro de 2008 , que dá execução à Directiva 2005/ 32/CE do Parlamento Europeu e do Conselho no que respeita aos requisitos de concepção ecológica para o consumo de energia do equipamento eléctrico e electrónico doméstico e de escritório nos estados de vigília e de desactivação.
- Regulamento (CE) n. o 278/2009 da Comissão, de 6 de Abril de 2009 , que dá execução à Directiva 2005/32/CE do Parlamento Europeu e do Conselho no que respeita aos requisitos de concepção ecológica aplicáveis ao consumo de energia eléctrica em vazio e à eficiência média no estado activo das fontes de alimentação externas.

PRECAUZIONI DI SICUREZZA E INFORMAZIONI SULLA NORMATIVA

PRIMA DI INSTALLARE O UTILIZZARE IL PRODOTTO, LEGGERE ATTENTAMENTE LE PRESENTI ISTRUZIONI

⚠️ *Quando si utilizza questo prodotto è necessario rispettare sempre le precauzioni di sicurezza fondamentali per ridurre il rischio di incendio, scosse elettriche o lesioni personali operando nel modo seguente:*

- Installare sempre il prodotto come illustrato nella documentazione allegata al prodotto.
- Evitare di utilizzare questo prodotto durante un temporale. Si potrebbe presentare un rischio remoto di scossa elettrica causata da un fulmine.
- Non utilizzare questo prodotto per segnalare una perdita di gas nelle vicinanze della perdita stessa.

Wireless LAN

Se questo prodotto è dotato di un ricetrasmettitore wireless, verrà utilizzata la tecnologia radio DSSS (Direct Sequence Spread Spectrum)/OFDM (Orthogonal Frequency Division Modulation). Di conseguenza il prodotto e' stato progettato per lavorare in cooperazione con qualsiasi altro prodotto wireless che usi questa tecnologia. ,e che:

- sia conforme allo standard IEEE 802.11b/IEEE802.11g/IEEE802.11n per le LAN wireless, definito ed approvato dall'Institute of Electrical and Electronics Engineers (Istituto Tecnici Elettronici ed Elettrici);
- disponga della certificazione "Wi-Fi® CERTIFIED™", definita dalla Wi-Fi® Alliance.

Direttiva

Salvo espressamente e precedentemente approvato da Technicolor per iscritto e nei limiti previsti dalle locali normative vigenti in materia, è vietato:

- disassemblare, decompilare, decodificare, analizzare o altrimenti esaminare l'apparecchiatura, il suo contenuto, funzionamento o funzionalità,

    o altrimenti tentare di individuare il codice sorgente (o le idee, gli algoritmi, la struttura

    o l'organizzazione di base) dall'apparecchiatura, o da ogni altra informazione fornita da Technicolor;
- copiare, noleggiare, prestare, rivendere, concedere in sublicenza o altrimenti trasferire o distribuire l'apparecchiatura a terzi;
- modificare, adattare o creare un prodotto derivato dell'apparecchiatura;
- rimuovere da eventuali copie dell'apparecchiatura l'identificazione del prodotto, il copyright o altre informazioni;
- divulgare informazioni o analisi sulle prestazioni (comprese, tra le altre, le analisi comparative) provenienti da qualsiasi fonte, relative all'apparecchiatura.

Tali atti, se non approvati espressamente da Technicolor, invalideranno la garanzia sul prodotto e l'autorizzazione all'uso dell'apparecchiatura accordata all'utente.

Technicolor declina qualsiasi responsabilità in caso di utilizzo non conforme alle presenti istruzioni.

Informazioni sulla protezione ambientale
Direttiva RAEE (WEEE)

Questo simbolo significa che il vostro apparecchio elettronico fuori uso non deve essere gettato con i normali rifiuti casalinghi, ma smaltito separatamente. A questo scopo, l'Unione Europea ha istituito un sistema di raccolta e riciclaggio specifici la cui responsabilità è affidata ai produttori.

Questo apparecchio è stato progettato e fabbricato con materiali e componenti di alta qualità che possono essere riciclati e riutilizzati.

Gli apparecchi elettrici e elettronici possono contenere elementi che, benché indispensabili al corretto funzionamento del sistema, possono risultare pericolosi per la salute e l'ambiente se sono manipolati o eliminati in modo inadeguato. Siete per questo pregati di non gettare il vostro vecchio apparecchio insieme ai normali rifiuti.

Se siete proprietari dell'apparecchio, dovete depositarlo presso l'apposito punto di raccolta o consegnarlo al vostro rivenditore in cambio dell'acquisto di un apparecchio nuovo.

- Se lo utilizzate in ambito professionale, riferitevi alle istruzioni del vostro fornitore.
- Se l'apparecchio è in affitto o in deposito, contattate il vostro fornitore di servizi.

Lo smaltimento abusivo del prodotto da parte dell'utente comporta l'applicazione delle sanzioni amministrative previste dalle leggi vigenti in materia ambientale.

Consumo energetico

Risparmio energetico - tutti hanno un ruolo...

Imparare in che modo utilizzare le apparecchiature elettroniche.

Sono disponibili informazioni dettagliate sulle caratteristiche del prodotto e sul consumo energetico. Leggere attentamente il documento prima di attivare l'apparecchiatura per utilizzarla nel modo migliore.
Lavorando insieme è possibile ridurre l'impatto derivante dall'uso delle apparecchiature sul pianeta terra!

Precauzioni di sicurezza
Condizioni ambientali

Il prodotto:

- Utilizzo in ambienti chiusi con temperatura non superiore a 40° C.
- Non va montato in una posizione esposta a radiazioni solari e/o fonti di calore dirette o eccessive.
- Non deve essere esposto a condizioni di calore eccessive né entrare in contatto con acqua o condensa.
- Deve essere installato in un ambiente con grado di inquinamento 2 (un ambiente esente da agenti inquinanti o in cui sono presenti solo agenti inquinanti secchi non conduttori).

Pulizia

Disconnetti questo prodotto dal computer prima di pulirlo. Non utilizzare detergenti liquidi o da vaporizzare. Utilizzare un panno umido per la pulizia.

Acqua e umidità

Non utilizzare il prodotto in prossimità di acqua, ad esempio vicino a una vasca, un lavandino, un lavello, in uno scantinato umido o vicino a una piscina. Il passaggio del prodotto da un ambiente freddo a uno caldo potrebbe causare la formazione di condensa su alcuni componenti interni. Lasciare asciugare il prodotto prima di riavviarlo.

Classificazioni dell'interfaccia

Le interfacce esterne del pannello posteriore del prodotto sono classificate come segue:

- DSL, ADSL, SHDSL, VDSL, Line: circuito TNV, soggetto a sovraccarichi di tensione (TNV-3)
- ISDN: circuito SELV
- PSTN, FXO: circuito TNV, soggetto a sovraccarichi di tensione (TNV-3)
- Phone, VoIP, FXS: circuito TNV, non soggetto a sovraccarichi di tensione (TNV-2)

> ⚠️ *AVVISO*
> - La porta Phone, VoIP, FXS verrà classificata come circuito *TNV-3* se collegata internamente alla porta PSTN, FXO, ad esempio quando il dispositivo è spento.
> - Se il prodotto è dotato di interfaccia USB (slave e/o master) o di un altro tipo di connettore con schermatura metallica, non è possibile collegare la porta Phone, VoIP, FXS alla porta PSTN, FXO o DSL, ADSL, SHDSL, VDSL, Line con alcun altro mezzo, ad esempio mediante un cavo telefonico esterno.

- tutte le altre porte di interfaccia (ad es. Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft, ecc.), compresa la potenza assorbita a bassa tensione per l'alimentatore CA: circuiti SELV.

Alimentazione

L'alimentazione di prodotto deve rispettare le specifiche di alimentazione indicate sulle etichette di marcatura.

L'alimentazione elettrica deve essere di classe II ed essere una fonte limitata di energia in conformità ai requisiti della normativa IEC60950-1/ EN60950-1, clausola 2.5 con potenza o indicati sull'etichetta di prodotto. L'alimentazione deve essere stata collaudata e approvata in conformità agli standard nazionali o locali.

È vietato l'utilizzo di altri tipi di alimentazione elettrica. Se non si è sicuri del giusto tipo di alimentazione elettrica, consultare la documentazione per l'utente del prodotto oppure contattare il rivenditore locale.

USB

L'apparecchio deve essere connesso a una specifica port USB che sia compatibile con i requisiti di una fonte limitata di energia.

Cavo telefonico

> ⚠️ *ATTENZIONE*
> Per ridurre il rischio di incendio, usare solo un cavo per linea di telecomunicazione AWG 26 o di diametro maggiore.

Collegare il cavo per linea di telecomunicazione solamente alla porta PSTN, FXO, DSL, ADSL, SHDSL, VDSL, o Line del prodotto. Non collegare in nessun caso il cavo ad altre porte del prodotto.

Seguire la procedura relativa alla connessione dei cavi al prodotto nella stessa sequenza indicata dal guida d'installazione.

Ripartitore centrale / filtri distribuiti (se disponibili)

Se sulla stessa linea è richiesto il servizio telefonico, per garantire prestazioni DSL ottimali è necessario installare un ripartitore centrale oppure uno o più filtri distribuiti.

A seconda della configurazione DSL e del tipo di ripartitore/filtri, l'installazione deve essere eseguita da personale tecnico qualificato. Per le istruzioni, consultare la società telefonica o il provider del servizio DSL.

Accessibilità

L'alimentatore a presa diretta funziona da dispositivo di scollegamento. Assicurarsi che la presa di alimentazione sia facilmente accessibile e posizionata il più vicino possibile all'attrezzatura.

Sovraccarico

Non sovraccaricare le prese a muro e le prolunghe per non aumentare il rischio di incendio o di scossa elettrica.

Manutenzione

Per ridurre il rischio di scosse elettriche, non smontare il prodotto. Nessuna delle parti interne è sostituibile dall'utente, pertanto non vi è motivo di accedere al suo interno. L'apertura o la rimozione dei coperchi può esporre l'utente a tensioni pericolose. Un rimontaggio errato potrebbe provocare scosse elettriche durante il successivo utilizzo dell'apparecchio.

Se è necessario un intervento di manutenzione o riparazione, portare l'apparecchio in un centro di assistenza qualificato.

Danni che richiedono assistenza

Scollegare il prodotto dalla presa murale e affidare la manutenzione a personale qualificato nei casi riportati di seguito:

- l'alimentazione o la spina sono danneggiati.
- i cavi collegati sono danneggiati o usurati.
- il prodotto è venuto accidentalmente a contatto con sostanze liquide.
- il prodotto è stato esposto a pioggia o acqua.
- il prodotto non funziona correttamente.
- il prodotto è stato danneggiato (ad esempio cadendo).
- si riscontra un evidente surriscaldamento.
- il prodotto presenta un'evidente variazione delle prestazioni.

Se si avverte odore di bruciato o si nota del fumo fuoriuscire dal dispositivo, scollegarlo immediatamente. Per evitare il rischio di scosse elettriche, non è consentito in alcun caso aprire l'apparecchiatura.

Avvertenza legale

Questo dispositivo deve essere installato e utilizzato nel pieno rispetto delle istruzioni fornite dal produttore riportate nella documentazione in dotazione al prodotto.

Prima di installare o utilizzare il prodotto, leggere attentamente il contenuto del presente documento sulle restrizioni o le normative specifiche del dispositivo che poterebbero essere applicate nel Paese di utilizzo del prodotto.

In alcune situazioni o in determinati ambienti, l'utilizzo di dispositivi wireless potrebbe essere limitato dal proprietario dell'edificio o dai rappresentanti responsabili dell'azienda.

In caso di dubbi sulle norme relative all'utilizzo di apparecchiature wireless in un'azienda o in un ambiente specifici (ad es. aeroporti), si consiglia di richiedere l'autorizzazione all'utilizzo del dispositivo prima di accendere l'apparecchiatura.

Technicolor non potrà essere ritenuto responsabile per interferenze radio o TV causate da modifiche non autorizzate apportate al dispositivo oppure dalla sostituzione o dal collegamento di cavi o apparecchiature diversi da quelli prescritti dal Technicolor. L'eliminazione delle interferenze causate da tali modifiche, sostituzioni o collegamenti non autorizzati sarà di responsabilità dell'utente.

Technicolor e i relativi rivenditori o distributori autorizzati non potranno essere ritenuti responsabili per danni o violazioni di norme di legge causati dalla mancata osservanza di queste indicazioni.

Dichiarazione di conformità della Comunità Europea

$C \in \textcircled{1}$ Con la presente Technicolor dichiara che il prodotto è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla Direttiva 1999/5/CE del Parlamento europeo e del Consiglio.

La presente apparecchiatura può essere utilizzata i paesi membri dell'Unione Europea e i paesi membri dell'Associazione Europea di Libero Scambio.

La Dichiarazione di conformità è reperibile all'indirizzo www.technicolor.com.

Se il prodotto e' comprensivo di ricetrasmettitore wireless IEEE 802.11b/IEEE802.11g/IEEE802.11n:

- L'utilizzo e' limitato ad ambienti chiusi.
- E' conforme ai limiti e alle restrizioni imposte dal Council Recommendation (1999/519/EC) in merito all'esposizione al pubblico a campi elettromagnetici.

Questo prodotto è conforme a:

- Regolamento (CE) n. 1275/2008 della Commissione, del 17 dicembre 2008 , recante misure di esecuzione della direttiva 2005/32/CE del Parlamento europeo e del Consiglio per quanto riguarda le specifiche di progettazione ecocompatibile relative al consumo di energia elettrica nei modi stand-by e spento delle apparecchiature elettriche ed elettroniche domestiche e da ufficio.
- Regolamento (CE) n. 278/2009 della Commissione, del 6 aprile 2009 , recante misure di esecuzione della direttiva 2005/32/CE del Parlamento europeo e del Consiglio per quanto riguarda le specifiche di progettazione ecocompatibile relative al consumo di energia elettrica a vuoto e al rendimento medio in modo attivo per gli alimentatori esterni.

SÄKERHETSFÖRESKRIFTER OCH -INFORMATION

INNAN DU BÖRJAR INSTALLERA ELLER ANVÄNDA DENNA PRODUKT, SKA DU NOGGRANT LÄSA DESSA FÖRESKRIFTER

Följ alltid de grundläggande säkerhetsåtgärderna när du använder den här produkten för att förebygga risken för brand, elstöt och personskador, inklusive följande:

- Installera alltid produkten enligt beskrivningen i dokumentationen som medföljer produkten.
- Undvik att använda den här produkten under åskväder. Det kan finnas en liten risk för elstötar från blixtar.
- Använd inte den här produkten för att rapportera en gasläcka i närheten av själva gasläckan.

Trådlös LAN

Om produkten har en trådlös transceiver används radiotekniken Direct Sequence Spread Spectrum (DSSS) / Orthogonal Frequency Division Modulation (OFDM). Och är designad att ha interopabilitet med motsvarande trådlösa produkter av DSSS/OFDM typ:

- Uppfyller standarden IEEE 802.11b/IEEE802.11g/IEEE802.11n för trådlösa LAN-produkter, som definierats och godkänts av Institute of Electrical and Electronics Engineers (IEEE).
- är Wi-Fi® CERTIFIED™ enligt Wi-Fi® Alliances definition.

Direktiv

Du får inte utan uttryckligt och skriftligt tillstånd från Technicolor:

- Demontera, dekompilera, efterforska, spåra eller på annat sätt analysera utrustningen, dess innehåll, förfaringssätt eller funktion,

  eller på annat sätt försöka härleda källkod (eller bakomliggande idéer, algoritmer, struktur eller organisation) från utrustningen,

  eller någon annan information som tillhandahållits av Technicolor, under förutsättning att denna begränsning inte uttryckligen är förbjuden enligt tvingande lagstiftning;
- Kopiera, uthyra, återförsälja, upplåta i andra hand eller på annat sätt överföra eller distribuera utrustningen till tredje part;
- Ändra, anpassa eller skapa derivat av utrustningen;
- Avlägsna identifiering av produkten, immaterialrättsliga eller andra markeringar från utrustningen;
- Förändra information om prestanda eller analys (inklusive men ej begränsat till referenser) från någon källa som är förknippad med utrustningen.

Dylika åtgärder, som inte uttryckligen godkänts av Technicolor, kommer att innebära förverkande av produktgaranti samt användarens rätt att använda utrustningen.

Technicolor frånskriver sig allt ansvar i händelse av användning på ett sätt som inte överensstämmer med aktuella föreskrifter.

Miljöinformation
WEEE-direktiv

Denna symbol anger att din obrukbara elektroniska apparat ska kasseras separat och inte kastas i hushållsavfallet. Därför har Europeiska Unionen inrättat ett särskilt i uppsamlingssystem för vilket tillverkarna är ansvariga.

Denna apparat har utformats och tillverkats av material och komponenter av hög kvalitet som kan återvinnas och komma till användning på nytt.

De elektriska och elektroniska apparaterna kan naturligtvis innehålla element som, även om de är oumbärliga för systemets funktion, kan visa sig vara farliga för hälsa och miljö om de hanteras eller kasseras på felaktigt sätt . Därför ska du inte avfallshantera din uttjänta apparat tillsammans med hushållsavfallet.

Om du själv äger apparaten ska du lämna in den på lämplig lokal uppsamlingscentral eller skicka tillbaka den till försäljaren mot att du köper en ny.

- Om du använder apparaten yrkesmässigt hänvisas till anvisningarna från din leverantör.
- Om du hyr den eller förvarar den ska du kontakta din tjänsteleverantör.

Energiförbrukning

Energibesparingar – du kan göra skillnad …

Ta reda på mer om hur du kan använda din elektronikprodukt.

Meddelandet innehåller användbar information om produktens alla funktioner och även energiförbrukningen. Vi uppmanar dig att noggrant läsa igenom meddelandet innan du tar apparaten i bruk för att få mesta möjliga nytta av den.

Genom att samarbeta kan vi minska den inverkan vi har på vår jord!

Säkerhetsföreskrifter
Klimatförhållanden

Denna produkt:

- Är avsedd för stationär användning inomhus, på en plats där temperaturen aldrig överstiger 40°C.
- Den får inte monteras på en plats som är utsatt för direkt solljus eller annan hög värmeutstrålning.
- Den får inte utsättas för reflekterande värme, eller fukt eller kondens.
- Den måste installeras i en miljö som är huvudsakligen fri från föroreningar (en miljö där det inte finns några föroreningar eller endast torra, icke-ledande föroreningar).

Rengöring

Se till att produkten inte är ansluten till vägguttaget eller datorn innan rengöringen påbörjas. Använd inte flytande rengöringsmedel eller spray. Använd en fuktig trasa vid rengöring.

Vatten och fukt

Använd inte produkten i närheten av vatten, såsom vid badkar, handfat, diskbänk, tvättho, fuktig källare eller simbassäng. Förflyttning av produkten från en kall miljö till en varm kan orsaka kondens på vissa invändiga delar. Låt produkten självtorka innan den startas igen.

Gränssnittsklassificering

De externa gränssnitten på produkts bakpanel är klassificerade så här:

- DSL, ADSL, SHDSL, VDSL, Line: TNV-krets, utsatt för överspänningar (TNV-3)
- ISDN: SELV-krets
- PSTN, FXO: TNV-krets, utsatt för överspänningar (TNV-3)
- Phone, VoIP, FXS: TNV-krets, inte utsatt för överspänningar (TNV-2)

⚠️ *VARNING*

- Phone-/VoIP-/FXS-porten klassificeras som *TNV-3*-krets när den ansluts internt till PSTN-/FXO-porten, till exempel när enheten är avstängd.
- Om produkten är försedd med ett USB-gränssnitt (slav och/eller master) eller en typ av anslutning med metallhölje, är det inte tillåtet att ansluta Phone-/VoIP-/FXS-porten med PSTN-/FXO- eller DSL-/ADSL-/SHDSL-/VDSL-/Line-porten på något sätt, till exempel via en extern telefonkabel.

- Alla andra gränssnittsportar (t.ex. Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft, m.fl.), inklusive lågspänningsingången från växelströmsadaptern: SELV-kretsar.

Strömförsörjning

Strömförsörjningen till produkten måste följa de angivelser om strömkälla som framgår av märkningen. Elförsörjningen måste vara av klass II och en begränsad strömkälla i enlighet med kraven i IEC60950-1/ EN60950-1, paragraf 2.5 och märkt som etiketten av produkten. Den måste vara testad och godkänd enligt nationell eller lokal standard.

Användning av någon annan sorts strömtillförsel är förbjuden. Om du är osäker på vilken elförsörjning som behövs läser du användarhandboken eller kontaktar din lokala återförsäljare.

USB

Apparaten måste vara ansluten till en känd USB port som möter alla krav på begränsad strömkälla.

Telefonsladd

⚠️ *FÖRSIKTIG*

För att minska brandrisken ska endast trådstorlek No 26 AWG eller grövre användas för telekommunikationssladden.

Anslut telekommunikationssladden till någon av kontakterna PSTN, FXO, DSL, ADSL, SHDSL, VDSL eller Line på produkt. Sätt inte telekommunikationssladden i någon annan ingång på produkt.

Följ installations anvisningarna steg för steg enligt bifogad installations guide.

Central linjedelare/fördelningsfilter (om sådant behövs)

Om telefonen ska användas på samma linje, krävs installation av en centraldelare eller ett distributionsfilter för maximala DSL-prestanda.

Installationen måste utföras av kvalificerad servicepersonal, beroende på vilken typ av DSL-konfigurering och delare/filter som används. Kontakta ditt telebolag eller din DSL-leverantör för vidare instruktioner.

Åtkomst

Strömadaptern fungerar som frånkopplingsenhet. Se till att det eluttag utrustningen ansluts till är lätt att komma åt och placerat så nära utrustningen som möjligt.

Överbelastning

Överbelasta inte elnätet eller förlängningssladdar, eftersom detta ökar risken för brand eller elektriska stötar.

Underhåll

Undvik risk för elektriska stötar genom att inte plocka isär produkten. Ingen av de interna komponenterna kan bytas ut av användaren; därmed finns ingen anledning till att exponera innandömet. Öppnande eller avlägsnande av lock kan utsätta personer för skadlig elektrisk spänning. Felaktig återmontering kan orsaka elektriska stötar vid påföljande användning.

Om service eller reparation behövs, bör ni kontakta en kvalificerad reparatör.

Skador som kräver service

Om något av följande inträffar bör du dra ur kontakten ur vägguttaget och kontakta kvalificerad servicepersonal:

- Om strömadaptern eller dess kontakt är skadad.
- Om inkopplade sladdar är skadade eller slitna.
- Om någon vätska har spillts på utrustningen.
- Om utrustningen har utsatts för regn eller vatten.
- Om utrustningen inte fungerar ordentligt.
- Om utrustningen har tappats eller skadats på något sätt.
- Om det finns tydliga tecken på överhettning.
- Om produkten uppvisar uppenbara förändringar i prestanda.

Koppla omedelbart bort produkten från vägguttaget om det luktar bränt eller rök. Du ska under inga omständigheter öppna utrustningen på egen hand; du löper risk för dödsfall till följd av elektrisk ström.

Information om bestämmelser

Du måste installera och använda den här utrustningen i enlighet med tillverkarens anvisningar i dokumentationen som medföljer produkten.

Innan du börjar installera eller använda denna produkt, ska du noggrant läsa innehållet i detta dokument för apparatspecifika begränsningar eller regler som kan gälla i det land du vill använda denna produkt.

I vissa situationer eller miljöer kan användningen av trådlösa enheter begränsas av fastighetsägaren eller en organisations ansvariga representanter.

Om du är osäker på vad som gäller för användning av trådlös utrustning inom specifika organisationer eller i särskilda miljöer (t.ex. flygplatser) uppmanas du att fråga om lov innan du slår på utrustningen.

Technicolor är inte ansvarig för radio- eller televisionsstörning som orsakas av obehörig ändring av enheten, eller av att du bytt ut eller kopplat in anslutningskablar och utrustning, annat än vad som specificerats av Technicolor. Korrigering av störningen som orsakats av obehörig ändring, obehörigt utbyte eller tillägg är användarens ansvar.

Technicolor och dennes auktoriserade återförsäljare eller leverantörer kan inte hållas ansvariga för skada eller överträdelse av statliga bestämmelser, som kan uppstå om dessa riktlinjer inte följs.

Konformitetsdeklaration avseende EU

$C \in \mathbb{O}$ Härmed intygar Technicolor att denna produkt står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av Europaparlamentets och Rådets direktiv 1999/5/EG.

Denna utrustning kan användas inom alla länder som är medlemmar i den Europeiska Unionen och alla länder som är medlemmar i den europeiska frihandelsorganisation.

Konformitetsdeklarationen finns på www.technicolor.com.

Om produkten har en IEEE 802.11b/IEEE802.11g/IEEE802.11n trådlös mottagare:

- Är den avsedd att endast användas i inomhus miljö
- De uppfyller direktiven i Council Recommendation (1999/519/EC).

Den här produkten uppfyller:

- Kommissionens förordning (EG) nr 1275/2008 av den 17 december 2008 om genomförande av Europaparlamentets och rådets direktiv 2005/32/EG om krav på ekodesign för elektriska och elektroniska hushålls- och kontorsprodukters elförbrukning i standby- och frånläge.
- Kommissionens förordning (EG) nr 278/2009 av den 6 april 2009 om genomförande av Europaparlamentets och rådets direktiv 2005/32/EG när det gäller krav på ekodesign för externa nätaggregats elförbrukning vid noll-last och deras genomsnittliga verkningsgrad.

VEILIGHEIDSVOORSCHRIFTEN EN REGELGEVINGSINFORMATIE

LEES AANDACHTIG DEZE INSTRUCTIES DOOR, VOORALEER U BEGINT MET DE INSTALLATIE OF HET GEBRUIK VAN DIT PRODUCT

Neem, bij het gebruik van dit product, altijd de volgende elementaire voorzorgsmaatregelen om het risico op brand, elektrische schokken of persoonlijke letsels tot een minimum te beperken:

- Installeer het product altijd op de wijze zoals is beschreven in de documentatie die is meegeleverd met uw product.
- Gebruik dit product niet tijdens onweer. Er bestaat dan een gering risico van elektrische schokken ten gevolge van blikseminslag.
- Gebruik dit product niet in de buurt van een gaslek om melding te maken van dit lek.

Draadloze LAN

Als dit product is uitgerust met een draadloze zender-ontvanger, dan werkt het op basis van Direct Sequence Spread Spectrum (DSSS) /Orthogonal Frequency Division Modulation (OFDM). Als zodanig is het ontworpen voor gebruik in combinatie met alle andere draadloze DSSS/OFDM-producten die:

- Voldoen aan de standaard IEEE 802.11b/IEEE802.11g/IEEE802.11n voor draadloze LAN's, zoals gedefinieerd en goedgekeurd door het Institute of Electrical and Electronics Engineers (IEEE).
- Wi-Fi® CERTIFIED™ (gecertificeerd voor Wi-Fi®) zijn, zoals gedefinieerd door de Wi-Fi® Alliance.

Richtlijn

Tenzij u beschikt over expliciete, voorafgaande, schriftelijke toestemming van Technicolor is het volgende verboden:

- dit product disassembleren, decompileren, onderwerpen aan reverse-engineering, kopiëren of op andere wijze de apparatuur, de inhoud, werking of functionaliteit analyseren,

   of anderszins proberen de broncode af te leiden (of de onderliggende ideeën, algoritmen, structuur of organisatie) van de apparatuur,

   of andere informatie die door Technicolor wordt verschaft, behalve wanneer deze beperking uitdrukkelijk is verboden door het lokale recht;
- dit product kopiëren, verhuren, uitlenen, opnieuw verkopen, een sublicentie verlenen voor deze apparatuur, of op andere wijze de apparatuur aan anderen overdragen of verspreiden;
- dit product wijzigen, aanpassen of van dit product afgeleide apparatuur maken;
- de productidentificatie, het copyright of andere bepalingen van kopieën van deze apparatuur verwijderen;
- informatie verspreiden over de werking van de apparatuur of analysegegevens (inclusief, zonder beperking, vergelijkende testen) van iedere bron die met de apparatuur verbonden is.

Deze handelingen die niet uitdrukkelijk zijn goedgekeurd door Technicolor leiden tot verlies van de garantie en kunnen het recht van de gebruiker om deze apparatuur te gebruiken ongeldig maken.

Technicolor wijst alle aansprakelijkheid af als het gebruik niet beantwoordt aan deze voorschriften.

Informatie inzake milieuzorg
AEEA-richtlijn (WEEE)

Dit symbool betekent dat het product, eens afgedankt, gescheiden moet worden ingezameld en NIET samen met het huishoudelijk afval mag worden verwerkt. De Europese Unie heeft hiervoor een inzamel- en recyclagesysteem opgelegd waarvoor de verantwoordelijkheid bij de fabrikant ligt.

Dit product is ontwikkeld en vervaardigd met gebruik van hoogwaardige materialen en componenten die kunnen worden gerecycleerd en herbruikt.

Elektrische en elektronische apparaten bevatten onderdelen die nodig zijn om een foutloze werking te garanderen, maar die schadelijk voor het milieu en de gezondheid kunnen zijn als ze op een ondeskundige manier worden behandeld of verwijderd. Daarom dringen we erop aan om uw afgedankt product niet weg te gooien met het huishoudelijk afval.

Als particuliere eigenaar van dit product, bent u verplicht het afgedankte apparaat naar een lokaal inzamel- of recyclagepunt te brengen, of bij aankoop van een nieuw product het in te leveren bij de verkoper.

■ Als u een professionele gebruiker bent, volg dan de instructies van de fabrikant.
■ Als u dit product huurt of leaset, neem dan contact op met de verdeler.

Energieverbruik

Energie besparen - U kunt het verschil maken!

Ontdek nieuwe manieren waarop u uw elektronische apparatuur kunt gebruiken.

Het bericht bevat niet alleen nuttige informatie over alle functies van uw product, maar ook over energieverbruik.

Om de best mogelijke werking van de apparatuur te verkrijgen, raden we u aan om het bericht aandachtig te lezen voordat u de apparatuur in gebruik neemt.

Door samen te werken kunnen we onze impact op de aarde verminderen!

Veiligheidsvoorschriften
Klimaatomstandigheden

Dit product:
■ is bedoeld voor gebruik binnenshuis op een vaste plaats; de omgevingstemperatuur mag niet hoger zijn dan 40°C.
■ mag niet worden geïnstalleerd op een plaats waar deze onderhevig is aan direct of overmatig zonlicht en/of hitteuitstraling.
■ mag niet worden blootgesteld aan condities waarbij de warmte niet kan ontsnappen of aan water of condensatie.
■ moet worden geplaatst in een omgeving met hoogstens een vervuilingsgraad 2. (Omgeving waar geen vervuiling of alleen droge, niet-geleidende vervuiling is).

Schoonmaken

Ontkoppel het product van de netspanning en de computer voordat u het product schoonmaakt. Gebruik geen vloeibare schoonmaakmiddelen of spuitbussen. Gebruik een vochtige doek.

Water en vocht

Gebruik dit product niet in de buurt van water, bijvoorbeeld een bad, wastafel, aanrecht, wasbak, in een natte kelder of bij een zwembad. Als u het product van een koude naar een warme omgeving verplaatst, kan condensatie worden gevormd op bepaalde interne onderdelen. Laat het product drogen voordat u het opnieuw inschakelt.

Classificaties van aansluitingen

De externe aansluitingen aan de achterkant van het product hebben de volgende classificaties:

- DSL, ADSL, SHDSL, VDSL, Line: TNV-schakeling blootgesteld aan overspanningen (TNV-3)
- ISDN: SELV-schakeling
- PSTN, FXO: TNV-schakeling blootgesteld aan overspanningen (TNV-3)
- Phone, VoIP, FXS: TNV-schakeling niet blootgesteld aan overspanningen (TNV-2)

⚠️ *WAARSCHUWING*
- De Phone-, VoIP-, FXS-poort wordt geclassificeerd als een *TNV-3* circuit wanneer deze intern is aangesloten op de PSTN-, FXO-poort, bijvoorbeeld wanneer het apparaat is uitgeschakeld.
- Als het product is voorzien van een USB-interface (slave en/of master) of een type connector met metalen afscherming, mag de Phone-, VoIP-, FXS-poort niet met een hulpmiddel (bijvoorbeeld een externe telefoonkabel) op de PSTN- of DSL-, ADSL-, SHDSL-, VDSL-, Line-poort worden aangesloten.

- Alle overige interfacepoorten (zoals Ethernet, 10/100Base-T/MDI(-X), USB, Console, Craft, enzovoort), inclusief de laagspanningsingang van de netvoeding: SELV-schakelingen.

Elektrische voeding

De elektrische voeding van het product moet overeenkomen met de specificaties op de labels.

De netvoeding moet van het type "Klasse II" zijn met een gelimiteerd uitgangsvermogen, in overeenstemming met de voorschriften van IEC60950-1 / EN60950-1, Artikel 2.5 en met een nominale waarde zoals vermeld op het label op uw product. De voeding moet zijn getest en goedgekeurd conform nationale of lokale normen.

Het gebruik van andere typen voedingen is niet toegestaan. Als u niet zeker weet welk type voeding u moet gebruiken, raadpleegt u de gebruikersdocumentatie bij het product of neemt u contact op met uw lokale dealer.

USB

Het product dient aangesloten te worden aan een geïdentificeerde voedingsbron met gelimiteerd uitgangsvermogen.

Telefoonkabel

⚠️ *LET OP*
Om brandgevaar te beperken, moet u voor de telefoonlijn een kabel met een minimale draaddoorsnede AWG 26 (Amerikaanse kabeldiktemaat) gebruiken.

Sluit de telefoonkabel alleen op de PSTN-, FXO-, DSL-, ADSL-, SHDSL-, VDSL- of Line-connector van het product aan. Sluit de telefoonkabel nooit op een andere connector van het product aan.

Volg de instructies voor het aansluiten van het product in dezelfde volgorde als aangegeven in de installatiehandleiding.

Centrale splitter / distributiefilter(s) (indien van toepassing)

Als u uw telefoon via dezelfde lijn wilt gebruiken, moet voor optimale DSL-prestaties een centrale splitter of distributiefilter(s) worden geïnstalleerd.

Afhankelijk van de DSL-configuratie en het type splitter of filter moet de installatie door een erkende onderhoudstechnicus worden uitgevoerd. Neem contact op met het telefoonbedrijf of de DSL-serviceprovider voor instructies.

Toegankelijkheid

De netvoeding met rechtstreekse aansluiting wordt gebruikt als uitschakelapparaat. Sluit de voeding aan op een stopcontact dat goed toegankelijk is en zich in de buurt van de apparatuur bevindt.

Overbelasten

Stopcontacten en verlengsnoeren mogen niet overbelast worden omdat dit het risico op brand of elektrische schok verhoogt.

Onderhoud

U vermindert het risico op een elektrische schok door het product niet zelf te demonteren. De interne onderdelen kunnen niet door de gebruiker worden vervangen; het is daarom niet nodig om het apparaat te openen. U kunt worden blootgesteld aan gevaarlijke spanningsniveaus door het apparaat te openen of de behuizing te verwijderen. Als het apparaat op onjuiste wijze opnieuw wordt gemonteerd, kan het gebruik een elektrische schok veroorzaken.

Neem contact op met een erkende onderhoudstechnicus voor onderhoud of reparatie van de apparatuur.

Schade waarvoor een onderhoudstechnicus is vereist

Onder de volgende omstandigheden ontkoppelt u het product van de netspanning en neemt u contact op met een erkende onderhoudstechnicus:

- Als de voeding of de stekker beschadigd is.
- Als de netsnoeren beschadigd of gerafeld zijn.
- Als vloeistof in het apparaat is gesijpeld.
- Als het product is blootgesteld aan regen of water.
- Als het product niet normaal functioneert.
- Als het product is gevallen of is beschadigd.
- Als er duidelijke tekenen van oververhitting zijn.
- Als de werking van het product duidelijk is gewijzigd.

Koppel het product onmiddellijk los van de netspanning als het een brandgeur verspreidt of rookt. U mag het product in geen geval zelf openen vanwege het risico op elektrocutie.

Juridische Kennisgeving

U moet u bij de installatie en het gebruik van dit apparaat exact aan de instructies van de fabrikant houden, die worden beschreven in de gebruikersdocumentatie die is meegeleverd met uw product.

Lees, voordat u begint met de installatie of het gebruik van dit product, de inhoud van dit document zorgvuldig door en bepaal of er apparaatspecifieke beperkingen of regels gelden in het land waar u dit product wilt gebruiken.

In sommige situaties of omgevingen is het gebruik van draadloze apparaten mogelijk beperkt door de eigenaar van het gebouw of door verantwoordelijke vertegenwoordigers van de organisatie.

Als u niet zeker weet welke richtlijnen van toepassing zijn op het gebruik van draadloze apparatuur in een specifieke organisatie of omgeving (bijvoorbeeld luchthavens), wordt u geadviseerd toestemming voor gebruik van dit apparaat te vragen voordat u het inschakelt.

Technicolor is niet verantwoordelijk voor eventuele verstoringen van het radio- of televisieverkeer die worden veroorzaakt door ongeautoriseerde aanpassing van het apparaat of door de vervanging of aansluiting van andere kabels en apparaten dan zijn gespecificeerd door Technicolor. Het is de verantwoordelijkheid van de gebruiker om zorg te dragen voor het opheffen van de storing die wordt veroorzaakt door dergelijk ongeautoriseerde aanpassingen, vervangingen of aansluitingen.

Technicolor en diens geautoriseerde wederverkopers of distributeurs zijn niet aansprakelijk voor enige schade of overtreding van voorschriften van de overheid die het gevolg is van het niet naleven van deze richtlijnen.

Overeenstemmingsverklaring van de Europese Gemeenschap

CE ① Hierbij verklaart Technicolor dat dit product in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van Richtlijn 1999/5/EG van het Europees Parlement en de Raad.

Deze apparatuur mag worden gebruikt in alle lidstaten van de Europese Gemeenschap en alle landen die lid zijn van de Europese Vrijhandelsorganisatie.

De complete overeenstemmingsverklaring vindt u op www.technicolor.com.

Indien dit product uitgerust is met een IEEE 802.11b/IEEE802.11g/IEEE802.11n draadloze zender/ontvanger:

- dient het enkel en alleen binnenshuis gebruikt te worden.
- is het in overeenstemming met de minimale beperkingen en limitaties zoals aangegeven in de Europese aanbeveling (1999/519/EC) betreffende de beperking van blootstelling van de bevolking aan elektromagnetische velden.

Dit product voldoet aan:

- Verordening (EG) nr. 1275/2008 van de Commissie van 17 december 2008 tot vaststelling van uitvoeringsbepalingen van Richtlijn 2005/32/EG van het Europees Parlement en de Raad, wat betreft voorschriften inzake ecologisch ontwerp voor het elektriciteitsverbruik van elektrische en elektronische huishoud- en kantoorapparatuur in de stand by-stand en de uit-stand.
- Verordening (EG) nr. 278/2009 van de Commissie van 6 april 2009 houdende tenuitvoerlegging van Richtlijn 2005/32/EG van het Europees Parlement en de Raad, wat betreft voorschriften inzake ecologisch ontwerp voor het elektrisch opgenomen vermogen van externe stroomvoorzieningen in niet-belaste toestand en de gemiddelde actieve efficiëntie van externe stroomvoorzieningen.

PAP

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