Wireless N and Voice Cable Gateway Quick Installation Guide

1. INTRODUCTION

The Technicolor TC7200 is a residential cable gateway which will give you broadband Internet access, telephone connection and wireless networking all in one unit. This residential gateway TC7200 can connect to cable systems using the DOCSIS/EURO-DOCSIS™ standard (please check with your cable provider for compliance), allowing broadband Internet access.

It has 4 Giga Ethernet ports which further expands the Local Area Network (LAN) capabilities. Advanced technology with strong ability include in the firewall and VPN (virtual private network)

The Technicolor TC7200 has an 802.11a/b/g/n access point that gives you wireless connection to the Internet.

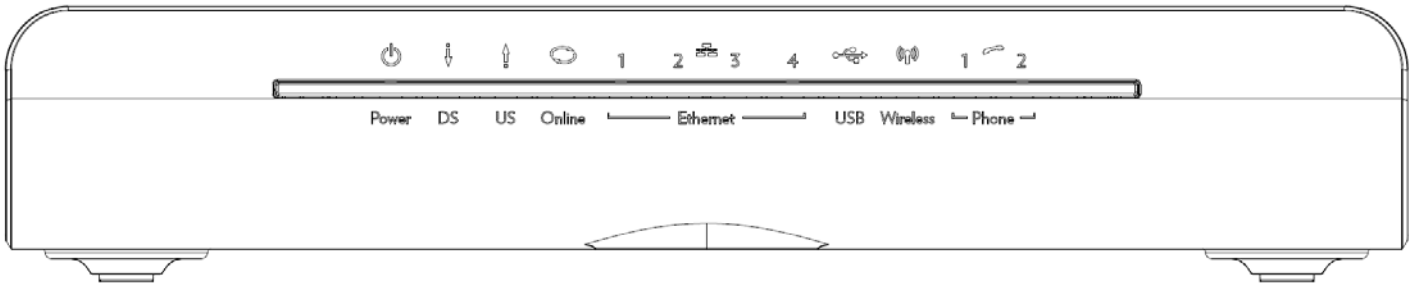
If you have subscribed to phone services from your cable operator then you will be able to place normal phone calls using your analogue phone and/or fax machine. The Technicolor TC7200 provides two RJ-11 connectors for your phone or home phone system.

Package Contents

- Technicolor Residential Voice Gateway x1
- Ethernet Cable x1
- Power adapter x1
- Quick Start Guide x1
- CD-ROM x1

2. HARDWARE CONNECTION

Front Panel



The following illustration shows the front panel:

Power - Indicates the Power status.

DS - Indicates the status of Data reception by the cable modem from the Network (Downstream Traffic).

US - Indicates the status of Data transmission by the cable modem to the Network (Upstream Traffic).

Online - Displays the status of your cable connection. The light is off when no cable connection is detected and fully lit when the modem has established a connection with the network and data can be transferred.

Ethernet - Indicates the state of Ethernet ports.

USB – Indicates the state of USB host connect.

Wireless - Indicates the traffic on the wireless network.

Phone - Indicates the status of the telephone Phone 1 and Phone 2.

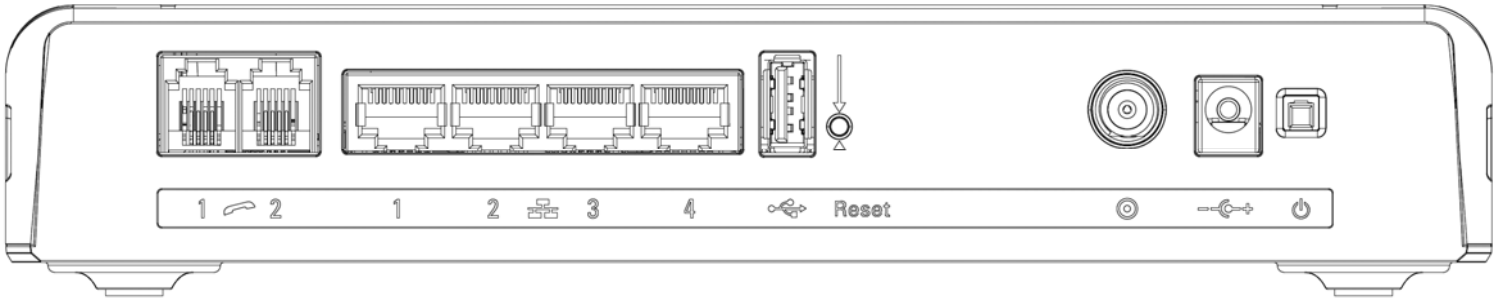
The lights on the front panel LEDs are described in the table below (from left to right):

ON = the LED is light, OFF = the LED is gray, FLASH = the LED is blinking.

TC7200	Power	Internet			Ethernet				USB	Wire-less	Tel 1	Tel 2	Description
		DS	US	Online	1	2	3	4					
Boot-up Operation	ON	ON	ON	ON	ON	ON	ON	ON	ON	X	ON	ON	Power on 0.25 sec
	ON	0.25 second											
	ON	FLASH	FLASH	FLASH	X	X	X	X	X	X	X	X	From power ON to system initialization complete
	ON	ON	ON	ON	X	X	X	X	X	X	X	X	Following system initialization complete to (before) DS scanning
		1 second											
DOCSIS Start-up Operation	ON	FLASH	OFF	OFF	X	X	X	X	X	X	X	X	During DS scanning and acquiring SYNC
	ON	ON	FLASH	OFF	X	X	X	X	X	X	X	X	From SYNC completed, receiving UCD to ranging completed
	ON	ON	ON	FLASH	X	X	X	X	X	X	X	X	During DHCP, configuration file download, registration, and Baseline Privacy initialization: DHCP status: 1 second ON and 1 second OFF, TFTP status: 0.25 second ON and 0.25 second OFF
	ON	ON	ON	ON	X	X	X	X	X	X	X	X	Operational (NACO=ON)
	ON	FLASH	FLASH	OFF	X	X	X	X	X	X	X	X	Operational (NACO=OFF)
Channel Bonding Operation	FLASH	FLASH	FLASH	FLASH	FLASH	X	X	X	X	X	X	X	Wait registration with all DS and all US – Lights Flash sequentially from the right to left Minimum duration 3 seconds
	X	X	X	X	OFF	X	X	X	X	X	X	X	From 1 to 4 DS, from 1 to 4 LEDs are ON From 5 to 8 DS, From 1 to 4 LEDs are flashing Duration 3 seconds
	OFF	X	X	X	X	X	X	X	X	X	X	X	From 1 to 4 US, from 1 to 4 LEDs are ON.
	FLASH	FLASH	FLASH	FLASH	FLASH	X	X	X	X	X	X	X	Wait registration with all DS and all US – Lights Flash sequentially from the left to right
MTA initialization	ON	ON	ON	ON	X	X	X	X	X	X	FLASH	OFF	MTA DHCP
	ON	ON	ON	ON	X	X	X	X	X	X	OFF	FLASH	MTA SNMP/TFTP
	ON	ON	ON	ON	X	X	X	X	X	X	ON	ON	Register
CPE Operation	ON	X	X	X	OFF ON FLASH	OFF ON FLASH	OFF ON FLASH	OFF ON FLASH	OFF ON FLASH	OFF ON FLASH	X	X	No Ethernet / USB/ Wireless Link Ethernet / USB/ Wireless Link TX/RX Ethernet / USB/ Wireless Traffic
MTA Operation	ON	<CM Normal Operation>									ON	ON	Both Lines On-Hook
	ON										FLASH	ON	Tel1 Off-hook, Tel2 On-hook
	ON										ON	FLASH	Tel1 On-hook, Tel2 Off-hook

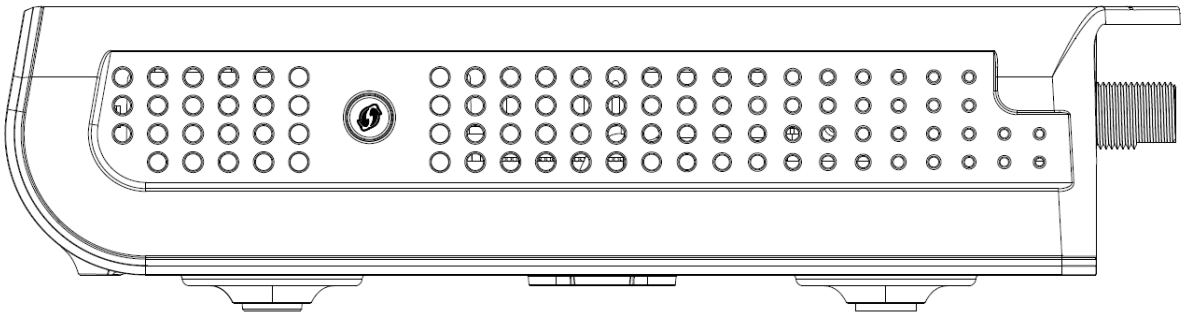
	ON										FLASH	FLASH	Both Lines Off-Hook
SW Download Operation	ON	FLASH	FLASH	ON	X	X	X	X	X	X	X	X	A software download and while updating the FLASH memory

Rear Panel



Connector	Description
Power Switch	Power on, off the Cable modem.
Power Jack	Connector for DC12V.
Cable	Connector for the cable network.
Reset	To restart the modem or press over 5 seconds can default the modem.
USB Host	USB 2.0 connector
Etherent	4 Gige Ethernet ports, RJ-45 connector.
Phone1/ Phone2	2 Phone RJ11 Connectors.

Side Panel :



WPS – Indicates the status of the WPS functionality.

WPS button: Wi-Fi Protected Setup™. This button can be used to:

Secure the connection with another device (PC for example) using WPS protocol. A long press (press 2 more seconds) on the button allows you to enable the association of the modem with a PC or other equipment.

After link establish. A short press on the button, switch on/off Wi-Fi.

3. CONNECTING THE MODEM TO THE COMPUTER

Installation procedure for connecting to the Ethernet interface

Follow these steps for proper installation.

Plug the coaxial cable to the cable wall outlet and the other end to the modem's cable connector.

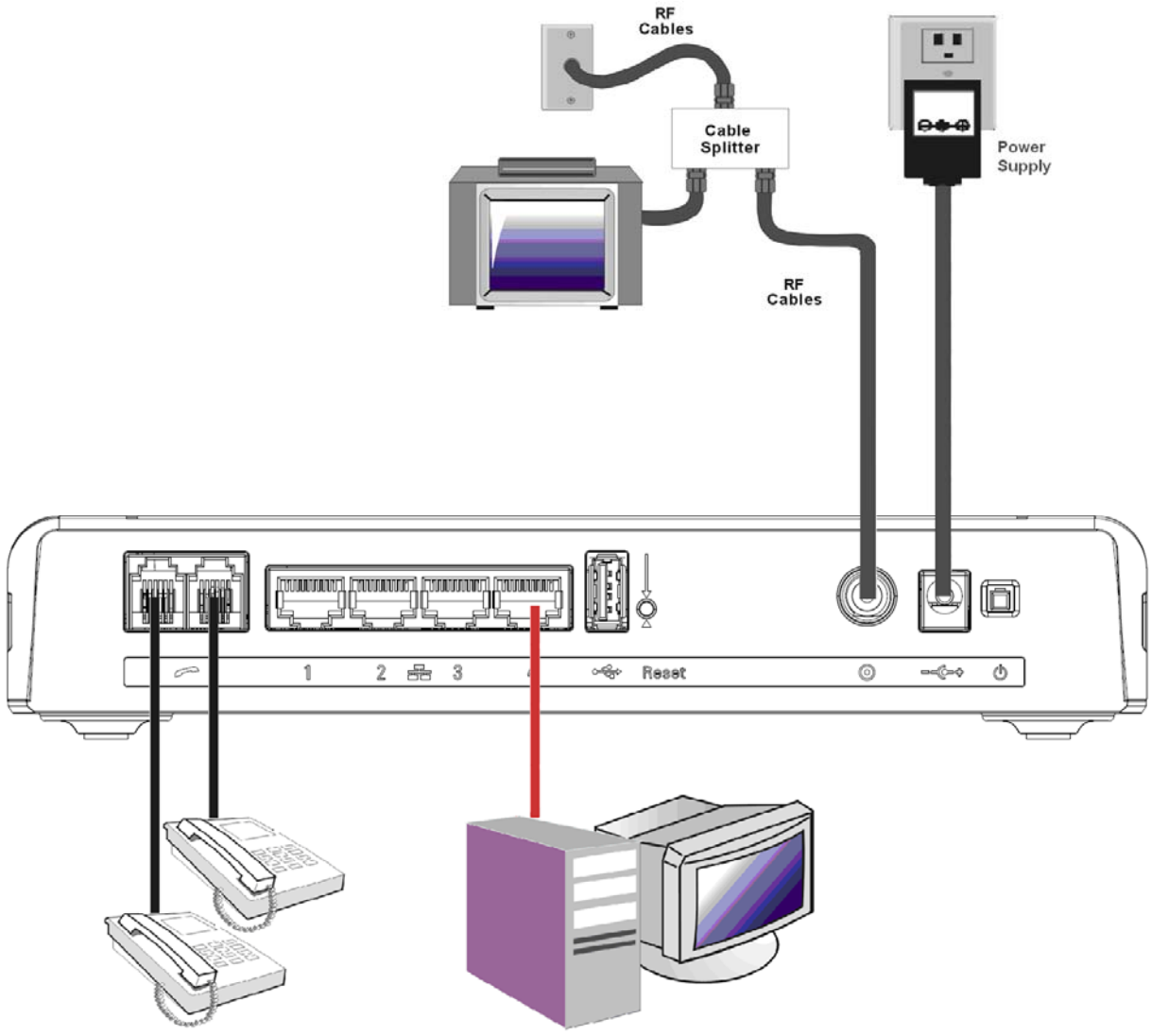
> **Note: To ensure a fast registration of the modem, the coaxial cable must be connected to the modem before it is powered on.**

Plug the power supply into the socket of the cable modem and two-pin plug in the AC outlet then press the Power Switch, power on the modem.

> **Note: Only use the power supply that comes with the modem. Using another power supply can cause damage to the product, and will void the warranty.**

Connect an Ethernet cable (direct connection, see below) to the Ethernet port at the back of the computer, and the other end to the ETHERNET port on the rear panel of the cable modem. The modem will seek the appropriate cable signal on the cable television network and go through the initial registration process on its own. The modem is ready for data transfer after the green LED "ONLINE" is lit continuously.

> **Note: the button "reset" at the back of the modem is used primarily for maintenance.**



For more detailed information, please refer to the user's manual on the CD-ROM.

This symbol on your set guarantees that your product complies with the European Directives 1999/5/EC and 2009/125/EC on Safety, Telecom, Electromagnetic Compatibility and Energy using Products.

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.
Help us protect the environment in which we live!