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Wireless N Cable Gateway
Quick Installation Guide

1. INTRODUCTION

The Technicolor TC7300.d1E is a residential cable gateway which will give you broadband Internet access and wireless networking all in one unit. TC7300.d1E connect to cable systems using the DOCSIS^{TM} standard (please check with your cable provider for compliance).

The Technicolor TC7300.d1E offers 4 high-speed Giga-Ethernet ports for Internet browsing. It also has 802.11 b/g/n access point that gives you wireless connection and home networking capabilities.

Advanced technology with strong ability include in the firewall and VPN (virtual private network).
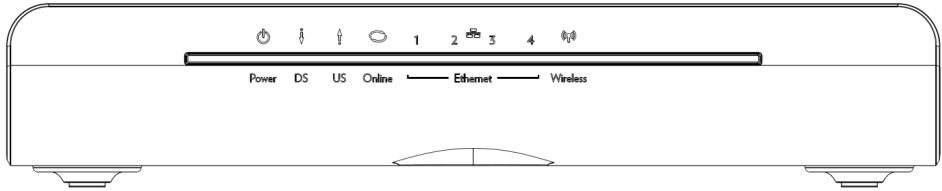
Package Contents

- Technicolor Wireless 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:

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⏻   **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.

((·))   **Wireless** - Indicates the traffic on the wireless network.

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.

|	Power	Internet DS	Internet US	Internet Online	Ethernet 1	Ethernet 2	Ethernet 3	Ethernet 4	Wireless	Description
Boot-up Operation	ON	ON	ON	ON	ON	ON	ON	ON	X	Power on 0.25 sec
	ON	0.25 second								
	ON	FLASH	FLASH	FLASH	X	X	X	X	X	From power ON to system initialization complete
	ON	ON	ON	ON	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	During DS scanning and acquiring SYNC
	ON	ON	FLASH	OFF	X	X	X	X	X	From SYNC completed, receiving UCD to ranging completed
	ON	ON	ON	FLASH	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	Operational (NACO=ON)
	ON	FLASH	FLASH	OFF	X	X	X	X	X	Operational (NACO=OFF)
Channel Bonding Operation	FLASH	FLASH	FLASH	FLASH	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	OFF	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	From 1 to 4 US, from 1 to 4 LEDs are ON.
	FLASH	FLASH	FLASH	FLASH	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	MTA DHCP
	ON	ON	ON	ON	X	X	X	X	X	MTA SNMP/TFTP
	ON	ON	ON	ON	X	X	X	X	X	RSIP for NCS/Register for SIP
CPE Operation	ON	X	X	X	OFF ON FLASH	OFF ON FLASH	OFF ON FLASH	OFF ON FLASH	OFF ON FLASH	No Ethernet / Wireless Link Ethernet / Wireless Link TX/RX Ethernet / Wireless Traffic
MTA Operation	ON	<CM Normal Operation>								Both Lines On-Hook
	ON									Tel1 Off-hook, Tel2 On-hook
	ON									Tel1 On-hook, Tel2 Off-hook
	ON									Both Lines Off-Hook
SW Download Operation	ON	FLASH	FLASH	ON	X	X	X	X	X	A software download and while updating the FLASH memory

Rear Panel
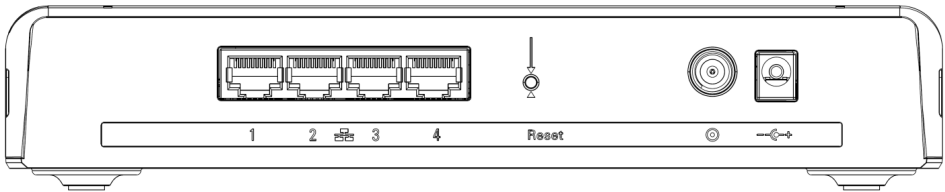
Connector	Description
Power Jack	Connector for DC12V
Cable	Connector for the cable network
Reset	To restart the modem or press over 5 seconds and modem will come back to factory settings. Note: some configurations might be lost after Reset.
Ethernet	Ethernet ports, RJ-45, 10/100/1000BaseT connector

Side Panel for WPS
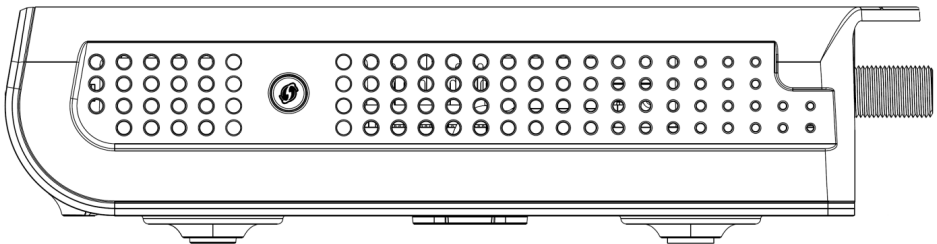
WPS - Indicates the status of the WPS (Wi-Fi Protected Setup^{TM}) functionality.

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

Secure the connection with another device (PC for example) using WPS protocol. A long press 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 the wireless traffic.

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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 connector labeled "CABLE".

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 on the adatper plug into the AC outlet.

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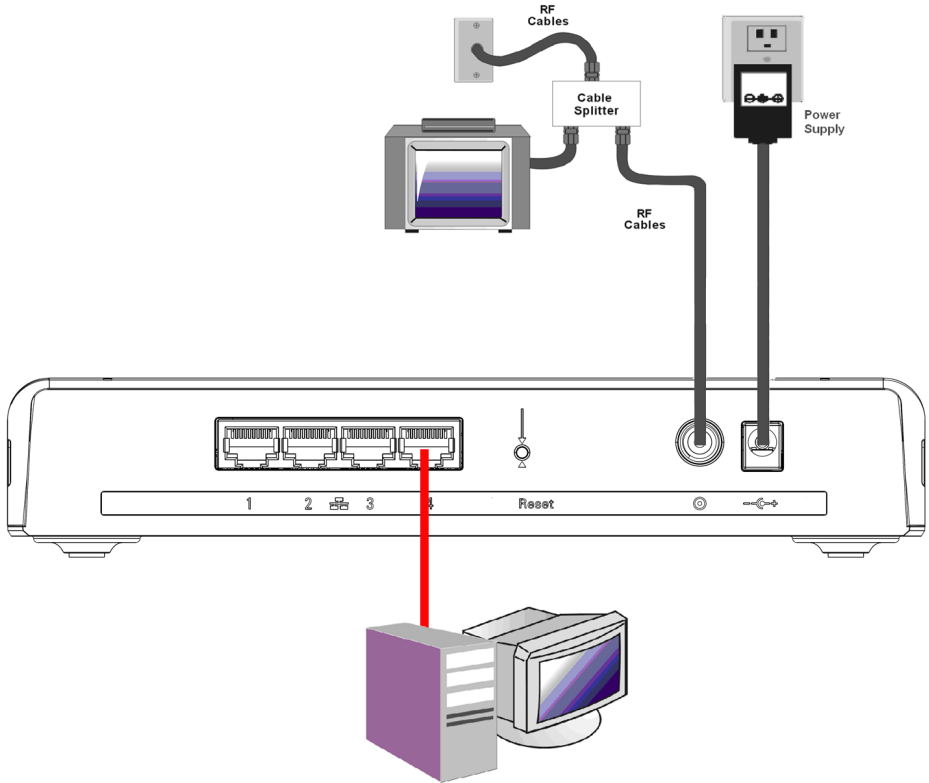
This symbol on your set guarantees that your product complies with the European Directives 1999/5/EC and 2009/125/EC on Safety, Telecom, Electromagnetic Compatibility and Energy using Products.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received ; including interference that may cause undesired operation.

This 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!

Safety Recommendations

Using equipment safely

Your Cable Modem has been manufactured to meet safety standards, but you must take care if you want it to perform properly and safely.

It is important that you read this booklet completely, especially the safety instructions below. If you have any doubts about the installation, operation or safety of decoder, please contact your supplier.

To avoid the risk of electric shock

- Disconnect the Cable Modem from the mains supply before you connect the Cable Modem to (or disconnect it from) any other equipment. Remember that contact with 110 ~ 240 Volt AC mains can be lethal or cause severe electric shock.
- Never remove the Cable Modem's cover. Should the Cable Modem fail, contact the Customer Service to arrange repair or service.
- Never allow anyone to push anything into holes, slots or any other opening in the case
- Do not block the Cable Modem's ventilation slots; never stand it on soft furnishings or carpets
- Do not put anything on the Cable Modem which might spill or drip into it (eg. Lighted candles or containers of liquids). Do not expose the Cable Modem to dripping or splashing. If an object or liquid enters inside the Cable Modem, unplug it immediately and contact the Customer Service.
- Do not store the Cable Modem in excessively hot, cold or damp conditions. The Cable Modem is intended to operate at an ambient temperature of less than 40 degrees Celsius and a maximum humidity level of 75%. In case of a storm, it is recommended that you unplug the Cable Modem from the mains and from the TV set.
- Leave the mains socket accessible so that you can unplug the set quickly

Connecting to the mains supply

- This Cable Modem is designed to operate at 110 ~ 240 VAC.
- If you are in any doubt about the mains lead, the plug or connection, please consult the Customer Service.
- Only the power adapter supplied with the decoder has to be used

Ensuring optimum performance

- Leave 7cm to 10cm around the Cable Modem to ensure that proper ventilation gets to the Cable Modem.
- Do not store your Cable Modem on its side (if not allowed)
- To clean the Cable Modem, use a dry, clean soft cloth with no cleaning solvent or abrasive products. Clean the ventilation openings regularly.

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