

## TG585 v8

Wireless Multi-User ADSL2+ Gateway



*On January 27th 2010, Thomson changed its company name to Technicolor. All product data sheets, including those for products which still carry the Thomson name, now reflect our new Technicolor brand.*

### Faster, Farther

The home networking experience will definitely change with the Technicolor TG585 v8. With an improved coverage and throughput compared to any IEEE 802.11b/g access point, the Technicolor TG585 v8 enables real-time multimedia content streaming over the Wi-Fi network everywhere in the house.

Featuring an integrated 10/100 Mbps 4-port switch, the Technicolor TG585 v8 offers seamless connection of wired and wireless devices from anywhere in the home.

### Features at a Glance

- Integrated ADSL2+ modem
- 4 Fast Ethernet ports to connect multiple devices, such as PCs, laptops, set top boxes...
- Wireless networking on-board: 802.11n 1x1 for enhanced 802.11b/g
- Wi-Fi Protected Setup
- Up to 4 BSSIDs (virtual AP) supported
- Remotely Manageable: TR-069, TR-064, TR-098, TR-111
- Built-in firewall
- CoC v3 compliant



with some n features

# TG585 v8

## Wireless Multi-User ADSL2+ Gateway

### Highest Security

The Technicolor TG585 v8 supports powerful wireless security mechanisms, such as Wi-Fi Protected Access (WPA2) allowing users to communicate and access data at the highest level of network security.

The Technicolor embedded firewall guarantees users the ultimate level in network security. Through integration with Network Address & Port Translation (NA(P)T), the firewall leverages all the ALGs provided in the NA(P)T context to minimize undesired service impact.

The support of multiple SSIDs in the gateway enables support for up to four independent wireless access networks. These additional wireless networks allow other wireless users to enjoy the high performance access without compromising the integrity of the basic network, thus keeping the original network access limited and secure.

### WPS

With Wi-Fi Protected Setup (WPS) your wireless home network is set up with the highest level of encryption by just pushing a button.

It allows home users who know little of wireless security to connect to and configure a secure network, without having to remember or save (unsecure) your detailed security information.

### Home Networking with Easy Installation

Like all Technicolor gateways, the Technicolor TG585 v8 interoperates seamlessly with the Technicolor Gateway Setup Wizard, making the setup of a wireless home network as easy as clicking a button. No more helpdesk calls, just click and you are ready to go. The Technicolor Gateway Setup Wizard performs comprehensive system checks before and during the installation and setup process, and validates all user inputs to guarantee the end user a secured wireless connection to the Internet.

### ECO

Technicolor offers its customers ECO-labeled products. Next to carefully selected plastics and packaging to minimize the ecological footprint, the gateways benefit from a unique combination of hardware and software features that reduce power consumption substantially.

Technicolor has always played a prominent leading position in ecological design, and was the first CPE vendor to sign the European Code of Conduct for Broadband Equipment. The Technicolor TG585 v8 is fully compliant with CoC v3 - Tier 2011.

# TG585 v8

## Wireless Multi-User ADSL2+ Gateway

## Technical Specifications

### Hardware Specifications

---

■ Interfaces WAN	RJ-11 DSL line port for ADSL/POTS and ADSL/ISDN
■ Interfaces LAN	4-port autosensing 10/100Base-T auto-MDI/MDI-X Ethernet LAN switch Wi-Fi IEEE 802.11b/g/n 1x1 on board
■ Extras	WPS / WLAN button Reset button Power button
■ Housing	Horizontal design (wall-mountable optional)
■ Dimensions	35 x 181 x 138 mm (1.4 x 7.1 x 5.4 in.)
■ Temperature	0° - 40° C (32 - 105° F)
■ Humidity	20% to 80%
■ AC Voltage	100-240VAC (switched mode power supply), 50-60 Hz

### DSL Modem Specifications

---

■ ADSL	ANSI T1.413 Issue 2, ITU-T G.992.1 Annex A, B (G.dmt) ITU-T G.992.2 Annex A, B (G.lite) ITU-T G.994.1 (G.hs) Maximum Rate: 8 Mbps for downstream and 1 Mbps for upstream
■ ADSL2	ITU-T G.992.3 Annex A, B, L, M (G.dmt.bis), ITU-T G.992.4 Annex A, B, L, M (G.lite.bis) Maximum Rate: 12 Mbps for downstream and 1.5 Mbps for upstream
■ ADSL2+	ITU-T G.992.5 Annex A, B Maximum Rate: 24 Mbps for downstream and 3 Mbps upstream

### Wireless Specifications

---

- Wi-Fi IEEE 802.11b/g/n 1x1 access point
- Wi-Fi CERTIFIED®
- WPA(2)<sup>™</sup>-Personal, WEP<sup>™</sup>
- Wi-Fi Multimedia (WMM®)
- Wi-Fi Protected Setup (WPS<sup>™</sup>)
- Up to 4 BSSIDs (virtual AP) support
- Security and service segregation per SSID
- Dynamic rates switching for optimal wireless rates
- Dynamic automatic channel selection
- RX/TX switched diversity

### Security

---

- ICSA grade security service
- Embedded Firewall
- SSL, SSH

### Management

---

- User Friendly GUI via HTTP and HTTPS
- GUI-embedded Easy Setup wizard
- PC (wireless) Technicolor Gateway Setup Wizard
- On demand Remote GUI assistance (helpdesk)
- TR-069 CPE WAN Management Protocol
- TR-098 Internet Gateway Device Management
- TR-111 Home Network Device Management
- TR-064 LAN Side Configuration
- Command Line Interface (CLI) via Telnet
- Eventlog

# TG585 v8

Wireless Multi-User ADSL2+ Gateway



## Technical Specifications

### Enabling Technologies

- Quality of Service ATM, Ethernet, Wi-Fi, IP
- Bridging/Relay Ethernet / PPPoE
- Relay PPPoX to PPTP relay  
PPPoX to DHCP relay
- Routing PPP over Ethernet (PPPoE)  
PPP over ATM (PPPoA)  
Classical IP (CIP)  
Ethernet over ATM (ETHoA)
- Connection sharing with Hyper-NAT
- Stateful Firewall
- UPnP™ support: enables game technologies (PS2, XBox live, DirectPlay, ...) and conferencing functions of Microsoft Messenger
- DHCP and DNS server, client and relay
- HTTP redirect for event notification

### Content of the Box

- Wireless Multi-User ADSL2+ Gateway
- Power Adapter
- Ethernet (RJ45) and telephone (RJ11) cable
- Setup CD and leaflet
- Jig, screws and plugs for wall mounting (optional)
- Foot and inlay (optional)
- Filter(s) or splitter(s) (optional)



Technicolor TG585 v8 back panel

Technicolor Professional Services are available to address your demands for qualified technical support & warranty, product maintenance, access to training courses and tailor-made solutions to specific product evolution. For more information, please ask your usual contact person.

#### TECHNICOLOR WORLDWIDE HEADQUARTERS

1, rue Jeanne d'Arc  
92443 Issy-les-Moulineaux France  
Tél. : 33(0)1 41 86 50 00 - Fax : 33 (0) 1 41 86 58 59

[www.technicolor.com](http://www.technicolor.com)

#### SALES CONTACT

For more information please get in touch with your usual sales representative or use the following email:

[telcosales@technicolor.com](mailto:telcosales@technicolor.com)

technicolor



© Copyright 2011 Technicolor. All rights reserved.  
Photos and specifications subject to change without notice. All trade names referenced are service marks, trademarks, or registered trademarks of their respective companies.  
DMS-DAT-20101124-0003 v1.0  
DS-123-v02-1011