



# TG585

Wireless Multi-User ADSL2+ Gateway



TELECOM  
DATA

## Faster, Farther

Home networking experience will definitely change with the Technicolor TG585. With an extended reach and throughput compared to any 11bg access point (from 54 to 65 Mbps), the Technicolor TG585 enables real time multimedia content streaming over Wi-Fi network everywhere in the house.

## High Performant Router

The Technicolor TG585 is a high performant router: overall performance is 4 times better through IP acceleration and due to an embedded 1x1 802.11n the wireless performance of 802.11b/g is even higher. With a simultaneous operation of 802.11b, 802.11g and 802.11n 1x1, speed, security and performance are guaranteed.

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

The integrated modem supports ADSL, ADSL2, and ADSL2+.

## Features at a Glance

- High performance router
- Better wireless performance:
  - 802.11b/g
  - 802.11n 1x1
- 4 Ethernet ports to connect to PCs, settop box, LAN
- Easy to install, easy to manage
- Remotely Manageable: TR-069, TR-104, TR-098, TR-111
- Built-in firewall
- Easily customizable
- High security level: WPA, WPA2 and Wi-Fi Protected Setup (WPS) certified
- 4 SSIDs supported
- Eco-friendly: CoC v3 Low Power State State



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## Highest Security

The Technicolor TG585 supports powerful security mechanisms such as Wi-Fi Protected Access (WPA(2)<sup>(1)</sup>), Wired Equivalent Privacy (WEP<sup>™</sup>) encryption, which allow users to communicate and access data with efficient link quality and the highest level of network security<sup>(1)</sup>.

The Technicolor embedded firewall guarantees users the ultimate level in network security. Through integration with Hyper-NAT, the firewall leverages all the ALGs provided in the Hyper-NAT context to minimize undesired service impact.

The support of Multiple SSIDs in the gateway enables support for up to 4 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.

## Easy Installation through Outstanding Home Install Wizard

Technicolor's Home Install Wizard makes setting up a home wireless network as easy as Ethernet, thereby drastically reducing helpdesk calls. This unique and robust mechanism configures your Technicolor's TG585 ADSL2+ access point and automatically installs your wireless network clients from a single CD.

The CD installation wizard performs comprehensive system checks before and during the installation process, and validates all user inputs. This guarantees the end-user a secured wireless connection (using WEP or WPA) to the Internet. Installing a Home Network has never been so easy!

With WPS<sup>(1)</sup> (Wi-Fi Protected Setup) your wireless home network is set up automatically with a high level of encryption by just pushing a button.

It allows home users who know little of wireless security to configure a secure network, without any problems.

## ECO: Low Power State of CoC v3

As Technicolor takes ecological concerns seriously, the housings of all our generic modem, router and gateway product lines already comprise 100% recyclable plastics. The Technicolor TG585v8 is also compliant with CoC v3 Low Power State.

Additionally, customers that want to turn off wireless completely, can do so via the GUI. Turning off wireless gives a power reduction of more than 12% in some cases<sup>(2)</sup>.

To improve Wi-Fi power efficiency on Wi-Fi phones, WMM<sup>(1)</sup> Power Save can be handled on a case by case basis.

## Easy Management

The Technicolor TG585 is completely designed according to the TR-069 Data Model, through which the device can be configured remotely.

TR-037 and TR-069 enable auto-configuration of network bandwidth according to service needs, allowing seamless integration with the network's provisioning system.

(1) WPS<sup>™</sup>, WPA<sup>™</sup>, WPA2<sup>™</sup>, WPA<sup>™</sup>-Personal, WPA2<sup>™</sup>-Personal, and WMM<sup>™</sup> are trademarks of the Wi-Fi Alliance, WMM<sup>®</sup> a registered trademark.

(2) Depends on type of product

## Technical Specifications

### Hardware Specifications

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- Interfaces LAN Wireless: IEEE 802.11b, 802.11g and 802.11n 1x1  
4 x Ethernet (RJ45) ports (10/100BaseT HD/FD)
- Interfaces WAN ADSL (RJ11) for ADSL/POTS or ADSL/ISDN  
LED indicators for all interface ports
- Housing horizontal design (wall-mountable optional)
- Temperature 0-40 C (32-105F)
- Humidity 20% to 80%
- AC Voltage 100-240VAC (switched mode power supply),  
50-60 Hz

### ADSL Modem Specifications

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- 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, M  
Maximum Rate: 24 Mbps for downstream and 3 Mbps upstream

### Wireless Performance

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- IEEE 802.11b/g/n 1x1 access point
- Operating Frequency: 2.4GHz
- Wi-Fi® CERTIFIED\*
- WEP™, WPA™-Personal / WPA2™-Personal certified\*
- Wi-Fi Multimedia - WMM™ certified\*
- Wireless Protected Setup (WPS certified\*)
- Up to 4 SSID support
- Security and service segregation per SSID
- Dynamic rates switching for optimal wireless rates
- Manual/auto radio channel support

### Security

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- ICASA grade security service
- Embedded Firewall
- 802.1x/PSK WPA (WPA-PSK)
- 64/128bit WEP encryption
- SSL, SSH

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## Technical Specifications

### Services

- HTTP redirect for event notification
- Quality of Service (QoS): ATM, Ethernet, IP

### Management

- Service Web GUI via HTTP and HTTPS
- (Wireless) Home Network Install Wizard
- Web-based Easy installation (OS independent)
- On demand Remote Management
- TR-069 Remote Manageable
- Command Line Interface (CLI) via Telnet
- Eventlog
- SW upgrade      From remote management station  
                            Through Easy SW upgrade Wizard

### Data Features

- 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, Direct-Play, ...) and conferencing functions of Microsoft Messenger
- DHCP and DNS server, client and relay
- NAT/PAT support

### Supported Languages

- English, French, Spanish, Italian, German, Dutch, Portuguese, Swedish

### Certifications

- CE, FCC, UL
- Wi-Fi CERTIFIED\*\*
- Radio regulations    US: FCC part 15.247, 15.205, 15.209  
                                  Europe: ETS 300 328

### Content of the Box

- Wireless ADSL Gateway
- Power Adapter
- Ethernet (RJ45) and telephone (RJ11) cable
- Setup CD and leaflet
- Filter(s) or splitter(s) (optional)

### Detachable power supply

- Optional for post-box deliveries



TG585 backpanel

\* UPnP™ is a certification mark of the UPnP™ Implementers Corporation

\*\* Wi-Fi CERTIFIED™ is a registered certification mark of the Wi-Fi Alliance

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.

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