

Router Settings

Typical Router Settings

These are settings required when first setting up a router to work on Gamma Broadband:

VPI: 0

VCI: 38

Encapsulation/Protocol: PPPoATM (RFC2364)

Framing Mode: VC-MUX / Null

WAN IP & Gateway configuration: Negotiate upon connection

Note that it is important for the gateway IP to be automatically negotiated as we will use a range of different gateways determined upon connection.

Modulation Setting

Modern routers will offer an automatic setting for modulation which will detect the type of service provided.

DNS Settings

DNS should be configured to be negotiated upon connection, however, where these are required to be manually configured they are as follows:

Primary: 88.215.61.255

Secondary: 88.215.63.255

Routed IP Configurations

Routed IP ranges are provided in groups of 4 or 8 IP's. The number after the slash denotes how many IP's there are in the range in CIDR format.

/29 = 8 IPs (6 usable) - Subnet: 255.255.255.248

/30 = 4 IPs (2 usable) - Subnet: 255.255.255.252

The first IP in the range is reserved for broadcast and the last is the network, these are not usable IP's.

One of the usable IP's must be allocated to the LAN interface of the router with the appropriate subnet listed above. For all other devices within the LAN, they will need to be allocated the remaining usable IP's and have the LAN IP of the router set as the gateway.

Please note that for routed IP configurations, Network Address Translation (NAT) and Dynamic Host Configuration Protocol (DHCP) must be disabled for the routing to work correctly.

Gamma-provided routers

Gamma will supply customer routers as a chargeable option.

Gamma will supply one of the following depending on the product and technology you have ordered:

Technicolor TG 588

Technicolor DWA0120

Technicolor DGA2231

One Access 1645

One Access 1646

Hardware is dispatched preconfigured with the required DSL username, passwords, settings and any IP addressing ordered. No other customer configuration is performed beyond the aforementioned settings and it is the partner's or end-user's responsibility to manage any LAN-side or additional settings that are required.

It is the partner's responsibility to track these additional settings which would be needed in the event that a router fails and is replaced. The partner will be made aware of the access credentials to the routers' management programme once they start selling Gamma NextGen Broadband.

Partners remain responsible at all times for the first line support of hardware - we therefore strongly recommend that partners are familiar with the routers that they order.

Router Admin Access:

Username - Administrator

Password - XXXXXXXX-Admin (XXXXXX = CLI or OrderID)

Router Default Gateway Address - 192.168.1.1

