

# **Biz2000 BROADBAND INTERNET CONNECTION**



## **Activation**

Activation is the BT process by which your existing phone line becomes enabled to receive data and voice calls simultaneously. Activation takes place at your local phone exchange, for which BT makes a charge. This is a once only cost.

## **Broadband**

Broadband Biz2000 is a high-speed connection to the Internet with 2MB download that is 40 times faster than a standard modem. It works by connecting your computer to the telephone wall socket via an ADSL router and an adapter (microfilter). The telephone line must be a BT line. Suitable for a network of up to 25 computers.

Broadband gives you major opportunities to manage your business efficiently and cost-effectively. Not only can you realise the benefits of improved access to the Internet but you can also achieve significant cost-savings.

## Why move to Broadband?

Broadband is suitable for most businesses with the following requirements:

- You have increased your time online and would benefit from constant connection
- You need a high speed connection for the fast transfer of large files and other data
- You require a cost-effective solution, with a monthly fixed fee for easy budgeting

## **Contention ratio**

Since bandwidth is not infinite across BT's network, users have to share it. This means your data path between you and your ISP is shared with other broadband connections. The contention ratio is the amount of other users your connection **could** be shared with. It is always represented as the minimum guaranteed contention. For example your contention ratio is 20:1, the maximum number of users sharing the bandwidth will be 20. With the Home and BizSolo packs the contention ratio is 50:1, the maximum number of users sharing the bandwidth will be 50.

## **ADSL router**

You must have a router for all multi-user installations. The router should be situated not more than 3m from a telephone wall socket. The router comes with a CD-ROM containing the software you need to load onto your computer/server/hub to allow operation of the router.


## **IP Addresses**

To differentiate computers, each computer connected to the Internet is assigned at least one unique IP address (Internet Protocol address). An IP address is a unique identifier for a connection on an IP network. The Biz2000 connection comes with 4 static IP addresses, giving you 1 spare IP address.



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A static (no NAT) IP address is an address that doesn't change every time you log on to the Internet. A static IP address is essential for the following:

- **SMTP mail.** The mail server needs the same IP address to be able to collect and deliver mail.
- **Virtual Private Network.** In order to gain remote access to your network, a static IP address is needed.
- **Remote communication applications.** Software such as PC Anywhere, which enables communication between machines requires static IP addresses in order to identify the machine they wish to communicate with.

Static IP addresses are the most convenient because the number stays the same with no re-configuration or resetting of hardware required.

### **The features of your Biz2000 broadband connection**

- Activation of your BT line to enable it to receive data and voice calls simultaneously
- Connection and download speed of 2048kbps – 40 times faster than a standard modem
- Contention ratio of 20:1
- ADSL Router with Filter
- 4 Static (No-Nat) IP addresses, giving you 1 spare IP address.
- 200mb of webspace on a sub domain

### **The cost of your Biz2000 broadband connection**

- A monthly charge of £95 (+VAT)
- Set up and hardware cost of £173.55 (+VAT)

### **Upgrades and other services available**

- Security Pack
- Assured Pack
- Network Pack
- More IP addresses
- Extra Hardware
- Install of ADSL to entire network
- Installation Support
- Hardware Maintenance
- Software Support

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