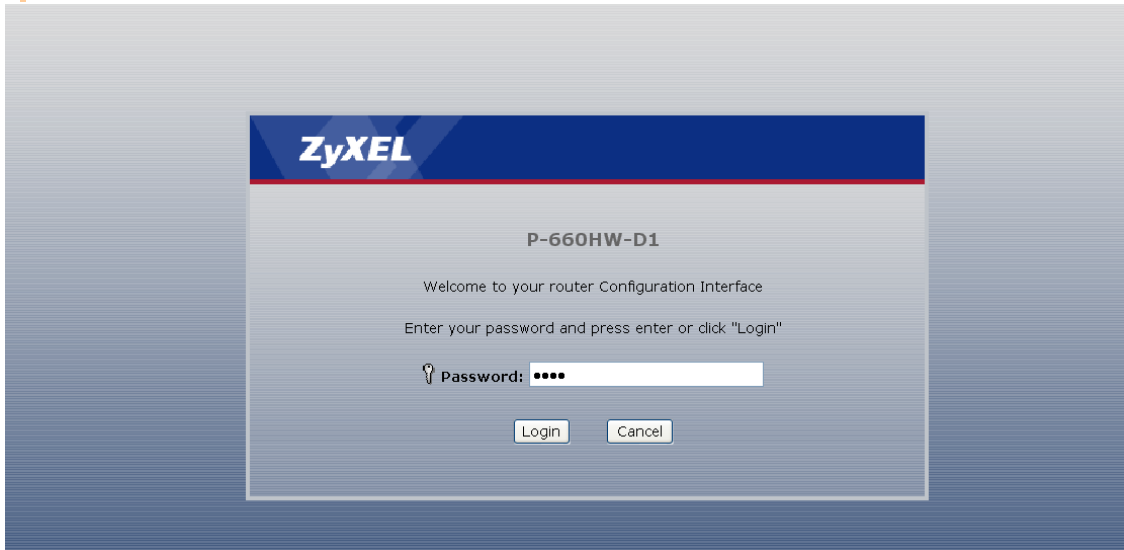




Procedure to install a bitstream Zyxel modem.

1. Open the box and remove it's contents. This includes the following items;
 - a. 1 * Zyxel P-600 series modem
 - b. 1 * Power supply
 - c. 1 * telephone cable (grey)
 - d. 1 * Network cable (yellow)
 - e. 3 * DSL line filters
 - f. 1 * CD
 - g. 1 * quick start guide
 - h. 1 * Magnet user manual

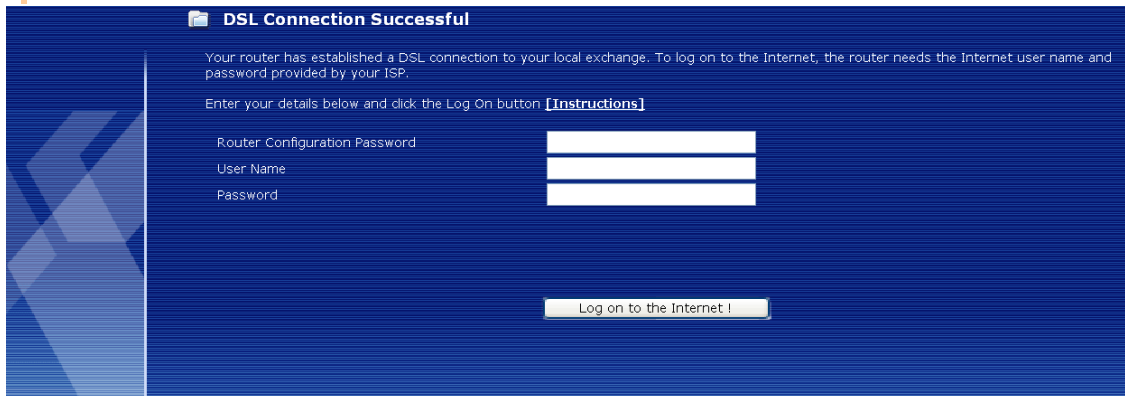
2. Plug one end of the grey telephone cable into the Modem DSL port and the other end into the DSL/HPN port of the DSL line filter.
3. Plug the DSL line filter into the primary telephone socket in your home.
4. Plug the network cable into any of the 4 Ethernet ports on the modem and the other end of the cable into the network card of your PC.
5. Plug the power cable into the power port on the back of the modem. Plug the power supply into a power socket, ensuring that if the power socket has a switch, that it is in the on position.
6. Press the ON/OFF switch to the ON position.
7. Allow the Modem approx 60 seconds to boot. You will know the modem has booted fully when you see the following lights lit on the modem;
 - a. Power
 - b. WLAN
 - c. DSL
 - d. Ethernet Port (whichever Light corresponds to the position of the Network cable)
8. Open Internet explorer on your PC
9. Type <http://192.168.1.1> in the address bar of your Internet browser, the following screen will appear;



10. Enter the modem default password, this is 1234 and click login.
11. You will now be presented with the following screen;



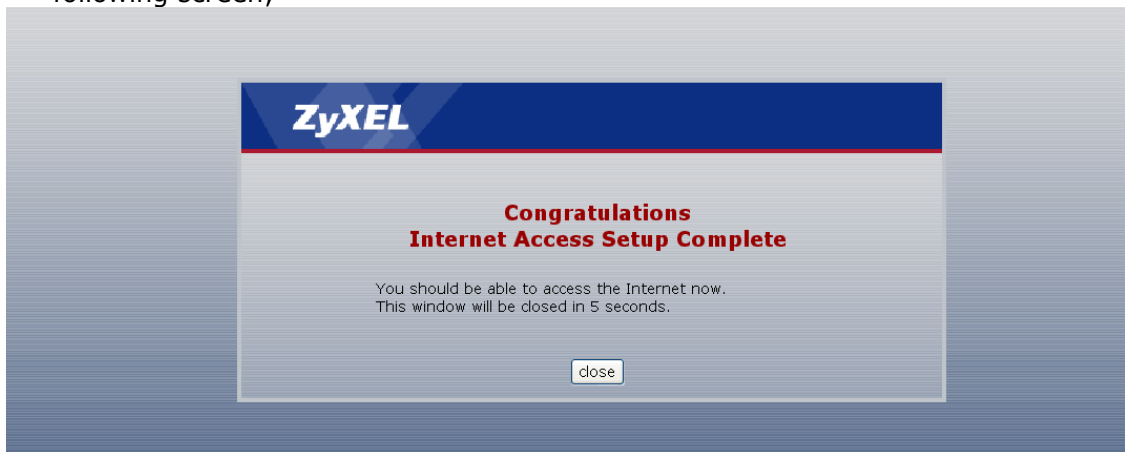
12. Open a new Internet explorer page, you should see the following screen;



13. You are now required to enter the following information;
 - a. Router Configuration Password – by default is 1234
 - b. User Name – refer to your welcome letter.
 - c. Password – Refer to your welcome letter.

14. Enter this information and click log on to internet.

15. Once you have successfully entered the required information you will see the following screen;

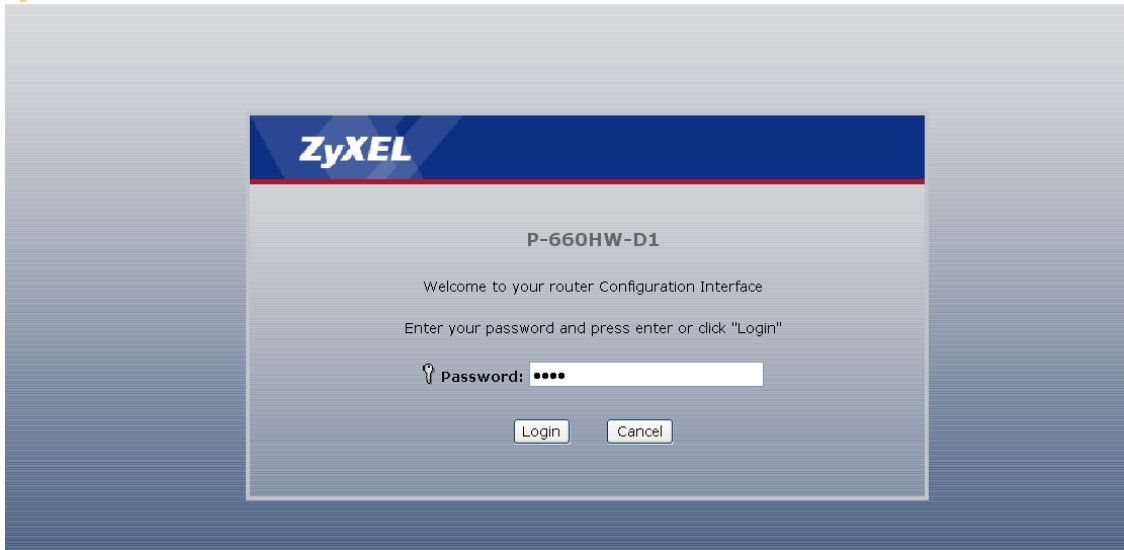


16. You have now successfully connected to the internet.

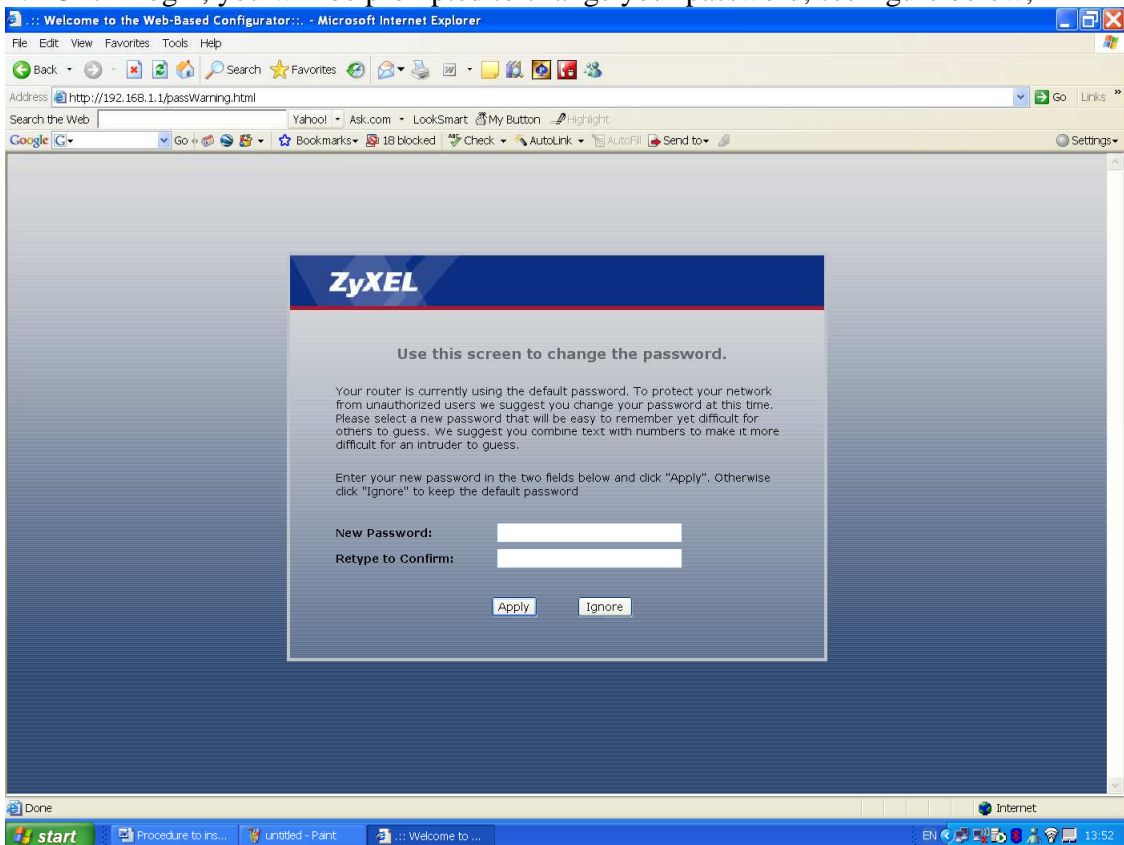
Note: If you have difficulties during any part of this set-up process call 1800-624638 and choose the technical support option for assistance and a member of staff will be only to happy to assist you.

Wireless set-up

1. Open an internet explorer page.
2. Type 192.168.1.1 in the Address bar and hit return.
3. You will be asked for the modem password, which by default is 1234, see figure below; (note the password field may be automatically populated, ignore this and type in 1234)



4. Click Login, you will be prompted to change your password, see figure below;



5. Type in your new password if you wish, however you can click ignore to skip this step. Note: Make sure that you keep a note of this password for future reference).
6. Click Apply once you have entered the password.
7. You will be now presented with the following screen;



The screenshot shows the ZyXEL Status page. The left sidebar contains a navigation menu with 'Status' selected. The main content area is divided into several sections:

- Device Information:** Host Name: P-660HW-D1, Model Number: P-660HW-D1, MAC Address: 00:13:49:a0:ff:a7, ZyNOS Firmware Version: V3.40(AP1.0) | 06/22/2006.
- System Status:** System Uptime: 1:01:23, Current Date/Time: 01/01/2000 01:06:30, System Mode: Routing / Bridging, CPU Usage: 0.96%, Memory Usage: 68%.
- Interface Status:** A table showing the status of DSL, LAN, and WLAN interfaces.
- Summary:** Links to AnyIP Table, Bandwidth Status, WLAN Status, and Packet Statistics.

Interface	Status	Rate
DSL	Up	2048 kbps / 256 kbps
LAN	Up	100M/Full Duplex/Active
WLAN	Active	54M

8. In order to set-up wireless security on your modem complete the following steps;
 - a. Click on network.
 - b. Click on Wireless LAN
 - c. You will be presented with the following screen.

The screenshot shows the ZyXEL Network > Wireless LAN > General configuration page. The left sidebar shows the navigation menu with 'Network' selected. The main content area is divided into two sections:

- Wireless Setup:** Active Wireless LAN is checked. Network Name (SSID) is set to ZyXEL. Hide SSID is unchecked. Channel Selection is set to Channel-11 2462MHz.
- Security:** Security Mode is set to WPA-PSK. Pre-Shared Key is set to xXdz6Wy4fC. ReAuthentication Timer is 1800 (In Seconds). Idle Timeout is 3600 (In Seconds). Group Key Update Timer is 1800 (In Seconds).

Buttons at the bottom: Apply, Cancel, Advanced Setup.

- d. Ensure that the “Active wireless LAN” tick box is ticked
- e. You can set you SSID to what ever you like, in the example it will be set to magnet. For this example the SSID ID will be change to Magnet_Example
- f. Select static WEP from the Security mode drop down menu. You will be presented with the following screen;



Network > Wireless LAN > General

General OTIST MAC Filter QoS

Wireless Setup

Active Wireless LAN

Network Name (SSID) Magnet_Example

Hide SSID

Channel Selection Channel-11 2462MHz

Security

Security Mode Static WEP

Passphrase

WEP Key

Note:
The different WEP key lengths configure different strength security, 40/64-bit, 128-bit, or 256-bit respectively. Your wireless client must match the security strength set on the router.
-Please type exactly 5, 13, or 29 characters.
or
-Please type exactly 10, 26, or 58 characters using only the numbers 0-9 and the letters 'a-f' or 'A-F'.

- g. Type in a pass phrase and WEP key, in this example 12345 will be used for illustration purposes only. Click Apply.

Note:

The different WEP key lengths configure different strength security, 40/64-bit, 128-bit, or 256-bit respectively. Your wireless client must match the security strength set on the router.

-Please type exactly 5, 13, or 29 characters.

or

-Please type exactly 10, 26, or 58 characters using only the numbers 0-9 and the letters 'a-f' or 'A-F'.

- h. In this example we are setting 64Kb encryption
- i. The wireless security features are now set.