Part A  Get online with wireless broadband connections (3G)

Step 1  Diagram for wireless broadband connection

1. Connect the power adapter to the router
2. Insert the supported 3G modem in the USB port
3. Turn on the router’s power DIP/ON switch

Important Note:
To avoid overheating, turn the router’s power off before putting it into any type of bag or case.

Step 2  Before setting up the wireless router, make sure your PCs are configured to “Obtain an IP address automatically” (example: Windows XP, other Windows releases may vary slightly)

A. Click Start > Control Panel > Network and Internet connections > Network Connection > Network Sharing Center > Change adapter setting > right-click Local Area connection and click Properties
B. The above screen A will appear. Make sure the box next to Internet Protocol (TCP/IP) is checked. Select the Internet protocol version 4 (TCP/IPv4) and click the Properties button.

Tip: If you cannot access the internet, restart your MWR222. If you were given a new name and password for the Internet connection from your ISP, make sure you enter the correct information on the WWW page.

Step 3  Accessing The Router Configuration page

1. Open a web browser, on the address bar type: 192.168.1.1 which is the factory default IP address for accessing the router.
2. The default password is: 1234 you may change the password after login and write the password you set on a piece of paper for future reference.

Step 4  Configure Wireless Broadband Connection

1. Go to the WAN configuration page by clicking the gear icon on the navigation bar or on the left side of the screen, then click Network WAN. Select Mobile WAN under Encapsulation. Then fill in the account information you obtained from your mobile broadband ISP. Make sure you check “Natted-Up Connection” and “Enable Data Usage Counter”. “Enable Data Usage Counter” should be checked and data usage limit should be added. Then, enter the data usage for your account. (For example, 5 gigabytes equals 1000 megabytes)

The Data Usage counter is a feature to prevent extra charge from ISP. Please do keep battery charged to keep the counter record.

2. Please make sure the LAN configuration has taken effect and you go to the next step by observing the message bar at the bottom of the browser interface. The message bar will show “Configuration updated successfully” when the information you entered is saved.

Step 5  Verify Mobile Wireless Broad band Connection

Go to the “Status” page and check the status of WAN information.* Check the IP address if you can see the IP address and a valid Default Gateway address, that means the router has connected to the network via 3G connection and you are ready to explore the Internet.

Tip: Type https://172.16.16.1 on the browser address bar and press enter go to ZYXEL website to confirm the router is connecting your computer online.
* – WAN connection may take up to 1 minute to assign an IP address.

Step 6  Setting up Wi-Fi Connection

1. Make sure your MWR 222 is turned on. Place your wireless device within three feet of the MWR222
2. Enable wireless on the MWR222 by turning on the WLAN switch

3. Go to configuration > Network > Wireless LAN > General
4. Enter your own SSID
5. Click “Apply”

About WPS
WPS function is disabled by default. You need to go to WPS tab of the Wireless LAN configuration to enable it. Please also make sure your wireless client device or laptop support WPS.
Part B
Get online with wired broadband connections (DSL, cable modem)

Step 1
Diagram for Wired Broadband Connection

1. Connect the power adapter to the router.
2. Connect the Ethernet port on your computer to the LAN port on the MWR222 using the Ethernet cable provided.
3. If you have a cable modem, first turn cable modem's power off and on. Some cable modems have internal batteries. Make sure all lights on the modem are off. Then disconnect the Ethernet cable connecting the modem to your computer (at your computer end) and plug it into the WAN port of your MWR222.
4. Turn on the router's power ON/OFF switch.

Step 2
Before setting up the wireless router, make sure your PCs are configured to "Obtain an IP address automatically" (example uses Windows 7, other Windows release may vary slightly).

A. Ethernet connection:
1. Go to the "WAN configuration" page that is the 3rd icon from the far left on the navigation bar. Click "Network" then "Ad Hoc". Select the correct type of connection under Encryption. You need to get the type of connection from your Internet Service Provider (for example, a cable modem may use an Ethernet connection, while a DSL modem may require a PPPoE connection). The following is the screen shot for Ethernet connection set for "other":
   1. Get IP automatically from ISP or
   2. Use fixed IP address based on the instruction from your ISP.

B. PPPoE WAN connection
1. If your PC has a PPPoE connection, you need to get your user name and password from the ISP and select the PPP over Ethernet connection under Encryption.
2. Fill in your user name and password and click "Apply" to save the configuration.

C. Confirm Internet connection
3. Confirm Internet connection: Go to the "Status" page and check the status of WAN information. Check the IP address. If you can see the IP address, and a valid Default Gateway address, then that means the router has connected to the network via the Ethernet connection and you are ready to explore the Internet.
   Tip: You need to get the type of connection from your Internet Service Provider (for example, a cable modem requires an Ethernet connection, while a DSL modem requires a PPPoE connection)

Step 3
Configure Ethernet WAN

1. Open a web browser and at the address box type 192.168.10.1 which is the factory default IP address for accessing the router.
2. The default password is: 1234

Step 4

A. Ethernet connection:
1. Go to the "WAN configuration" page that is the 3rd icon from the far left on the navigation bar. Click "Network" then "Ad Hoc". Select the correct type of connection under Encryption. You need to get the type of connection from your Internet Service Provider (for example, a cable modem may use an Ethernet connection, while a DSL modem may require a PPPoE connection). The following is the screen shot for Ethernet connection set for "other":
   1. Get IP automatically from ISP or
   2. Use fixed IP address based on the instruction from your ISP.

B. PPPoE WAN connection
1. If your PC has a PPPoE connection, you need to get your user name and password from the ISP and select the PPP over Ethernet connection under Encryption.
2. Fill in your user name and password and click "Apply" to save the configuration.

C. Confirm Internet connection
3. Confirm Internet connection: Go to the "Status" page and check the status of WAN information. Check the IP address. If you can see the IP address, and a valid Default Gateway address, then that means the router has connected to the network via the Ethernet connection and you are ready to explore the Internet.
   Tip: You need to get the type of connection from your Internet Service Provider (for example, a cable modem requires an Ethernet connection, while a DSL modem requires a PPPoE connection)

Step 5
Setting up Wi-Fi Connection in Router Graphical User Interface

1. Make sure your MWR 211 is turned on. Place your wireless device within three feet of the MWR211
2. Enable wireless on the MWR211 by turning on the Wi-Fi switch

3. On the next screen that appears, select "Obtain an IP address automatically" and "Obtain DNS server address automatically." Then click OK to complete the PC configuration.

Support Information
ZyXEL provides support to our customers via our toll-free telephone number and our website. For any problems you may encounter, you may look through the included User Guide and Quick Start Guide on the enclosed support CD which will help with most common problems.

If you need further assistance, please contact your ZyXEL Support Team at 1-800-259-4101 Option 5
To register the product, go to http://www.us.zyxel.com/registermwr222

TCP/IP Settings

IP Address:
Subnet mask:
Default Gateway:
Primary DNS:
Secondary DNS:

ISP PPPoE Settings
User name:
Password:

ISP 3G connection settings:
User name:
Password:
Access point name (APN):
Phone number:

About WPS
WPS function is disabled by default. You need to go to WPS tab of the Wireless LAN configuration to enable it. Please also make sure your wireless client device or laptop support WPS.

3G wireless Router MWR222

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