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Before you start the configuration of your router you will need the broadband configuration details.

Configuration Details

These details can be found on your broadband configuration sheet that was provided with the router initially. These details would have also been sent to you via email during the provisioning process.

If you are unable to locate these details, you will need to contact our support team. Please have the serial number of your router to hand to help us to locate your device.

Connecting to the Router

Connect your Zyxel router to mains power using the power supply provided in the box. Press the round white power button on the back of the router to power up the device.

Connect your configuration device (e.g. a laptop or PC) to the router via an ethernet cable into one of the yellow LAN ports.

Plug the grey DSL cable (rj11) from the grey DSL port on the back of your router into the data port of the BT master socket in your premises, providing you have a pre-filtered master socket.

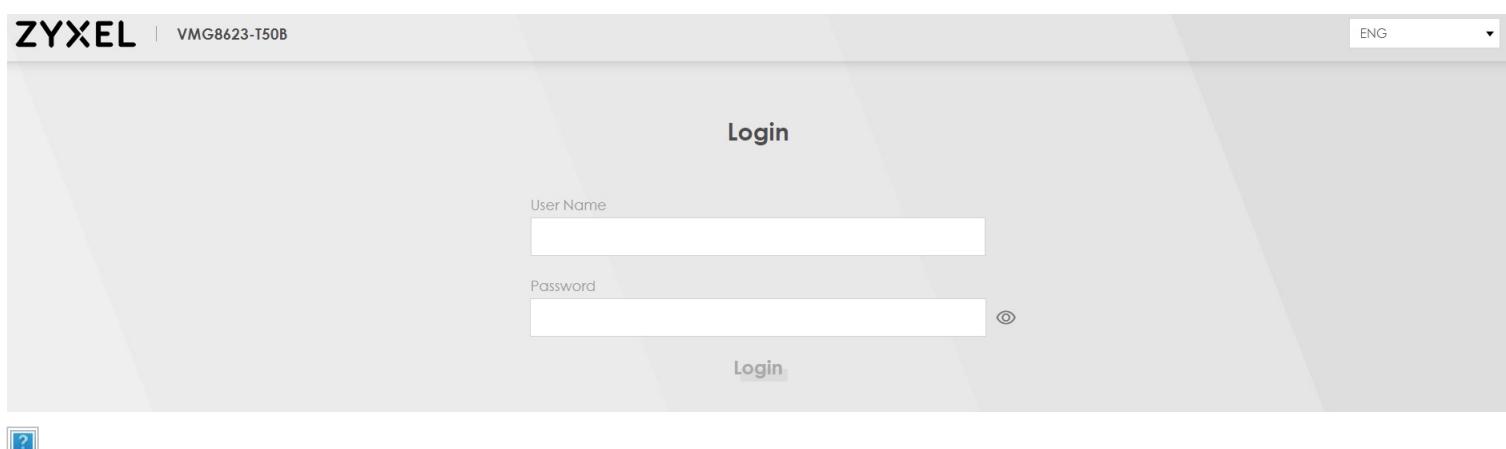
Note: Whilst the router is booting up, the power light will flash green. Once the power light is solid, you can browse to the router's IP address and start configuration.

Initial setup

Log into the device via IP 192.168.1.1 using the following details

Username: admin

Password: On the back of the router



The screenshot shows the 'Login' page of the Zyxel VMG8623-T50B router's web interface. The top navigation bar includes the Zyxel logo and the model name 'VMG8623-T50B'. A language selection dropdown is set to 'ENG'. The main content area is titled 'Login' and contains two input fields: 'User Name' and 'Password', each with a corresponding text input box. To the right of the 'Password' input is a small eye icon for password visibility. Below the input fields is a 'Login' button. In the bottom left corner, there is a small blue square icon with a white question mark inside.

You will then be prompted to change your password. Please ask support for the unique and secure password that has been allocated to your specific router. This ensures we have the correct login when it comes to remotely accessing the device and providing you with technical support.

Skip the setup wizard if it comes up and then navigate to the main menu at the top right of the page once logged in.

-  Wizard
-  Theme
-  Restart
-  Language
-  Logout

Connectivity



System Info

Model Name
Firmware Version
System Uptime
LAN MAC Address
WAN Status

WiFi Settings



 2.4G WiFi Name	Zyxel_1A31	 WiFi Password
 5G WiFi Name		 WiFi Password

Guest WiFi S

 2.4G WiFi Name	Zyxel_1A31	 WiFi Password
 5G WiFi Name		 WiFi Password

Network Setting

Broadband
Wireless
Home Networking
Routing
QoS
NAT
DNS
Vlan Group
Interface Grouping
USB Service

Security

VoIP

System Monitor

Go to Network Setting > Broadband and edit the VDSL interface by clicking the modify icon.

Broadband

Broadband Cellular Backup Advanced

Use this screen to change your Zyxel Device's Internet access settings. The summary table shows you the configured WAN services (connections) on the Zyxel Device. Use information provided by your ISP to configure WAN settings.

 Add New WAN Interface

#	Name	Type	Mode	Encapsulation	802.1p	802.1q	IGMP Proxy	NAT	Default Gateway	IPv6	MLD Proxy	Modify
1	ADSL	ATM	Routing	IPoE	N/A	N/A	Y	Y	Y	Y	Y	 
2	VDSL	PTM	Routing	IPoE	N/A	N/A	Y	Y	Y	Y	Y	 
3	ETHWAN	ETH	Routing	IPoE	N/A	N/A	Y	Y	Y	Y	Y	 

Change the encapsulation to PPPoE, tick enable VLAN and in 802.1q enter the number 101

Enter the PPP User Name and PPP Password (please note this is separate to your router password)

Edit WAN Interface

General Name: VDSL Type: ADSL/VDSL over PTI Mode: Routing Encapsulation: PPPoE IPv4/IPv6 Mode: IPv4 IPv6 DualStack	PPP Information PPP User Name: test@ic-connect.co PPP Password: **** PPP Connection Trigger: <input checked="" type="radio"/> Auto Connect <input type="radio"/> On Demand PPPoE Passthrough: <input checked="" type="checkbox"/>
VLAN 802.1p: 0 802.1q: 101 (1~4094)	IP Address <input checked="" type="radio"/> Obtain an IP Address Automatically <input type="radio"/> Static IP Address
MTU MTU: 1492	DNS Server <input checked="" type="radio"/> Obtain DNS Info Automatically <input type="radio"/> Use Following Static DNS Address

Change the MTU to 1492

MTU MTU: 1492	DNS Server <input checked="" type="radio"/> Obtain DNS Info Automatically <input type="radio"/> Use Following Static DNS Address
Routing Feature NAT: <input checked="" type="checkbox"/> IGMP Proxy: <input checked="" type="checkbox"/> Apply as Default Gateway: <input checked="" type="checkbox"/> Fullcone NAT: <input checked="" type="checkbox"/>	IPv6 Address <input checked="" type="radio"/> Obtain an IPv6 Address Automatically <input type="radio"/> Static IPv6 Address
IPv6 Routing Feature	IPv6 DNS Server <input checked="" type="radio"/> Obtain IPv6 DNS Info Automatically <input type="radio"/> Use Following Static IPv6 DNS Address

You can now scroll down to the bottom and click Apply, this is all of the configuration you need to get your internet connected.

You can click on the Zyxel logo at the top left to take you back to the router homepage, on the home page you will see the Connectivity tile showing whether the internet is connected or not.

SIP ALG

We recommend that SIP ALG is disabled. To do this, go to Network Setting > NAT > click on the ALG tab

Then toggle the SIP ALG setting from on to off and make sure to click apply.

NAT

Port Forwarding | Port Triggering | DMZ | **ALG** | Address Mapping | Sessions

Application Layer Gateway (ALG) allows customized NAT traversal filters to support address and port translation for certain applications such as File Transfer Protocol (FTP), Session Initiation Protocol (SIP), or file transfer in Instant Messaging (IM) applications. It allows SIP calls to pass through the Zyxel Device.

NAT ALG

SIP ALG

RTSP ALG

PPTP ALG

IPSEC ALG

Cancel **Apply**

Remote Management

In order for us to be able to provide support in various circumstances, we require remote access to the router we have provided to you.

On the main menu navigate to Maintenance > Remote Management

On the MGMT Services tab, tick Enable under each row in the "Trust Domain column" and hit apply.

MGMT Services | Trust Domain

Use this screen to configure through which interface(s), each service can access the Zyxel Device. You can also specify service port numbers computers must use to connect to the Zyxel Device.

Service Control

WAN Interface used for services Any_WAN Multi_WAN

WWAN ADSL VDSL ETHWAN

Service	LAN	WLAN	WAN	Trust Domain	Port
HTTP	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	80
HTTPS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	443
FTP	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	21
TELNET	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	23
SSH	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	22
SNMP	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	161
PING	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> Enable	

Cancel **Apply**

Next, go to the Trust Domain tab next to the MGMT Services tab. Click on + Add Trust Domain to add the Internet Central support IP address range (please request this from our support team) You can add the IP address(es) of anyone else you wish to have remote access to the router.

MGMT Services **Trust Domain**

Use this screen to view a list of public IP addresses which are allowed to access the Zyxel Device through the services configured in the **Maintenance > Remote Management > MGMT Services** screen.

Add Trust Domain

IP Address	Delete
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You have now enabled remote access from the IP addresses specified.

Adding User Accounts

To add a user account, go to Maintenance > User Account and then click the + Add New Account button

User Account

In the **User Account** screen, you can view the settings of the "admin" and other user accounts that you use to log into the Zyxel Device.

Use this screen to create or manage user accounts and their privileges on the Zyxel Device.

Add New Account

#	Active	User Name	Retry Times	Idle Timeout	Lock Period	Group	Modify
1	<input checked="" type="checkbox"/>	admin	3	5	5	Administrator	<input type="checkbox"/>

Cancel **Apply**

On the User Account Edit page, you can create a new user by specifying the user name, password, and retry attempts / lock out period. Make sure to select LAN / WAN as the Remote Privilege option.



User Account Edit

Active	<input checked="" type="checkbox"/>
User Name	ictech
Old Password	<input type="password"/>
New Password	<input type="password"/>
Verify Password	<input type="password"/>
Retry Times	3 (0~5), 0 : Not limit
Idle Timeout	5 Minute(s)(1~60)
Lock Period	5 Minute(s)(5~90)
Remote Privilege	<input type="radio"/> LAN <input type="radio"/> WAN <input checked="" type="radio"/> LAN/WAN

Cancel

OK

You can click OK to save these changes and then log out and re-test with the new account you have created.

Firmware Upgrade

To upgrade the firmware on your router, go to Maintenance > Firmware Upgrade

On this page you can choose a file and upload it to the Zyxel in order to apply new firmware. Do NOT tick the tick box "Restore Default Settings After Firmware Upgrade" otherwise you will have to re-configure all of the settings detailed in this guide.

ZYXEL | VMG8623-T50B ≡

Firmware Upgrade

This screen lets you upload new firmware to your Zyxel Device.

Download the latest firmware file from the Zyxel website and upload it to your Zyxel Device using this screen. The upload process uses HTTP (Hypertext Transfer Protocol) and may take up to two minutes. After a successful upload, the Zyxel Device will reboot.

Upgrade Firmware

Restore Default Settings After Firmware Upgrade

Current Firmware Version: **V5.50(ABPM.2)C0**

File Path No file chosen

Upgrade WWAN Package

Current WWAN Package Version: **1.18**

File Path No file chosen

The router may reboot whilst it goes through the upgrade process. After the firmware upgrade is complete, you will need to log in again.

Factory Reset

Factory resetting the device will wipe all configuration.

If your device has been factory reset, you will not be able to connect to the internet until you configure the broadband details.

We don't recommend you factory reset the device, but if you need to, pop a pin in the 'reset' hole and hold it in for 10+ seconds whilst the router is powered on. The lights should flash red and then go through a reboot process before booting into factory default settings. You can then proceed with the configuration steps above.

Congratulations! You have now completed the configuration of your ZyXEL VMG 8623-T50B router for your Internet Central SOGEA connection.

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