

Bigpipe Setup Guide for Vodafone HG556a Modem Router (ADSL)



Vodafone used to provide this modem to its customers, so you may have one lying around if you used to use Vodafone broadband. This modem is NOT VDSL compatible, so will only work on the BASIC and FAST plans. It will NOT work on the Bigpipe TURBO plan.

Setting up for Bigpipe

Basic and Fast – ADSL

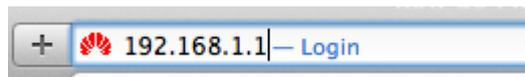
To install the router:

1. Connect Router to power
2. Connect the DSL port on the router to a jackpoint on the wall, or to an ADSL splitter.
3. Connect Router to computer (i.e.: PC or laptop)

To set the modem up for either the Basic or Fast plan:

- Launch your Web Browser (e.g.: Internet Explorer, Chrome or Firefox).

- Access the modem settings:
 - Type 192.168.1.1 into the address bar



- Press the ENTER key.
The login screen displays.

A screenshot of a dialog box titled 'Authentication Required'. The text inside reads: 'The server http://192.168.1.1:80 requires a username and password. The server says: Vodafone DSL Router.' Below this text are two input fields: 'User Name:' and 'Password:'. At the bottom of the dialog are two buttons: 'Cancel' and 'Log In'.

- Login using the following details:

Username	<i>advanced</i>
Password	<i>advanced</i>

A screenshot of the same 'Authentication Required' dialog box. The 'User Name' field now contains the text 'advanced'. The 'Password' field contains a series of black dots, indicating that the password is masked. The 'Log In' button is highlighted with a blue border.

If that Username and Password do not work you should RESET the modem to factory settings (see the instructions at the bottom of the page).

- Click the **Log In** button.
The modem's Dashboard screen displays.

- Device Info
- Advanced Setup
- Wireless
- Voice
- Diagnostics
- Management

BOX Summary

DSL Router Data	
Product Name:	EchoLife HG556a
Serial Number:	311041107006015
Software Version:	V100R001C12B037
Bootloader (CFE) Version:	d081.5003
Wireless Driver Version:	RT3062AP-2.2.5.0
Time since startup:	0 days 1 hours 22 minutes 29 seconds

Status of DSL Connection

Line Rate - Upstream (Kbps):	760
Line Rate - Downstream (Kbps):	18667
Status:	Showtime
Retrain Reason:	0
Channel:	FAST
Adsl sync cuts from last reboot:	0
Time from last ADSL Sync:	0 days 1 hours 21 minutes 15 seconds
LAN IP Address:	192.168.1.1
WAN IP Address:	100.64.2.50

- Configure the modem for Bigpipe:
 - From the menu on the left, select **Advanced Setup**.
- The Wan interface selection screen appears. Select **ADSL Uplink** and click **Next**

- The Wide Area Network (WAN) Setup screen appears.

Find the line with **0/100** and click **Edit**

Wide Area Network (WAN) Setup

Click **Add**, **Edit**, or **Remove** to configure WAN interfaces.
Click **Save/Reboot** to apply the changes and reboot the system.

VPI/VCI	VLAN ID	Con. ID	Category	Name	Interface	Protocol	Service	Remove	Edit
0/100	N/A	1	UBR	Data/Voice	ppp_0_100_1	PPPoA	Enabled	<input type="checkbox"/>	<input type="button" value="Edit"/>
0/104	N/A	1	UBR	Voice	nas_0_104	MER	Enabled	<input type="checkbox"/>	<input type="button" value="Edit"/>

- The ATM PVC Configuration screen appears. Check **VPI** is **0** and **VCI** is **100**. Click **Next**.

ATM PVC Configuration

This screen allows you to configure an ATM PVC identifier (VPI and VCI) and select a service category. Otherwise choose an existing interface by selecting the checkbox to enable it.

VPI: [0-255] 

VCI: [32-65535] 

Service Category:



- The Connection Type screen appears.
Select **PPP over ATM (PPPoA)** and click **Next**

Connection Type

Select the type of network protocol and encapsulation mode over the ATM PVC that your ISP has instructed you to use. Note that 802.1q VLAN tagging is only available for PPPoE, MER and bridge.

PPP over ATM (PPPoA) 

PPP over Ethernet (PPPoE)

MAC Encapsulation Routing (MER)

IP over ATM (IPoA)

bridge

Encapsulation Mode



- The PPP Username and Password screen appears.
Put anything you like in **PPP Username** and **PPP Password** (don't leave them blank) and click **Next**

PPP Username and Password

PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.

PPP Username: 

PPP Password: 

PPP's MTU:[296-1492]

PPP's LCP Echo-req Interval:[10-60] (seconds)

Authentication Method:



- The Enable WAN Service screen appears.
Select **Enable WAN Service** and click **Next**

Enable WAN Service

Enable WAN Service 

Service Name:



- The WAN Setup – Summary screen appears.
Click **Save**

WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP.

VPI / VCI:	0 / 100
Connection Type:	PPPoA
Service Name:	Data/Voice
Service Category:	UBR
IP Address:	Automatically Assigned
Service State:	Enabled
NAT:	Enabled
Firewall:	Enabled
Quality Of Service:	Disabled

Click "Save" to save these settings. Click "Back" to make any modifications.

NOTE: You need to reboot to activate this WAN interface and further configure services over this interface.



- You return to the Wide Area Network (WAN) Setup screen.

Click **Save/Reboot**

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0/104	N/A	1	UBR	Voice	nas_0_104	MER	Enabled	<input type="checkbox"/>	Edit



Wait for modem to reboot.

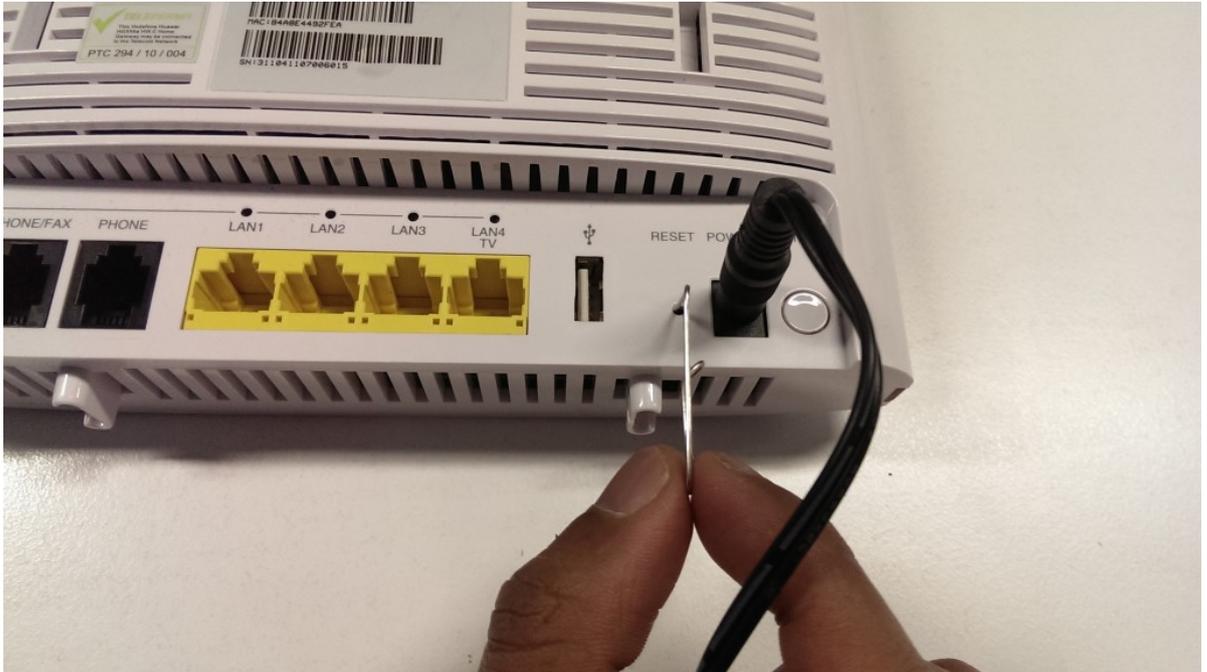
That's it! Enjoy the Bigpipe broadband piping into your place
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Resetting the Modem

Resetting the modem restores the default Factory settings. You will lose any of your customised settings.

To reset the modem:

- Check it is on (i.e.: plugged in with one or more lights lit). **You cannot reset the modem if it is off.**
- Use something, like a paperclip, to press and hold the Factory Reset button, which is in between the plug and the USB port.
- Hold for 30 seconds.



- Release the Factory Reset button.
- After a few seconds, the modem will start to reset.

The modem will have reset itself to its original factory settings. Any customised settings will have been lost.