

Zyxel modem only mode ADSL

141 Keira Tait Thu, Feb 15, 2018 [Zyxel Routers](#) 4822

Overview

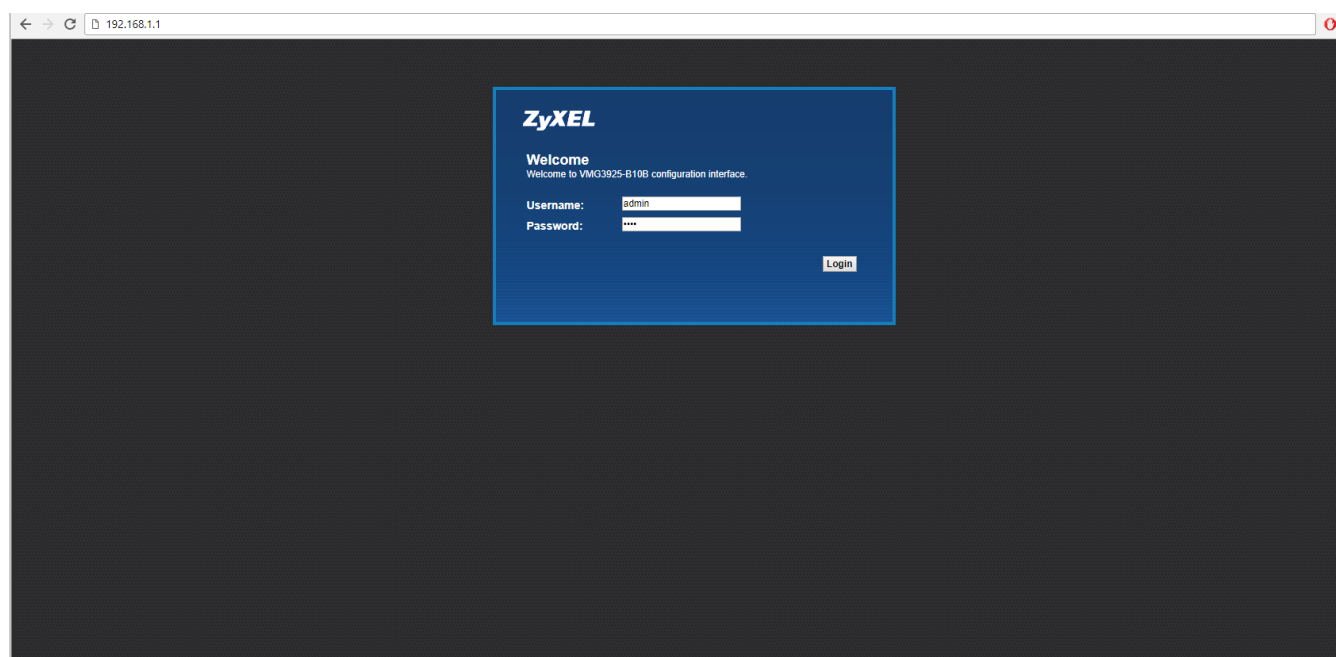
This article will go over how to configure a Zyxel router for Modem only mode on an ADSL connection.

Configuring the device

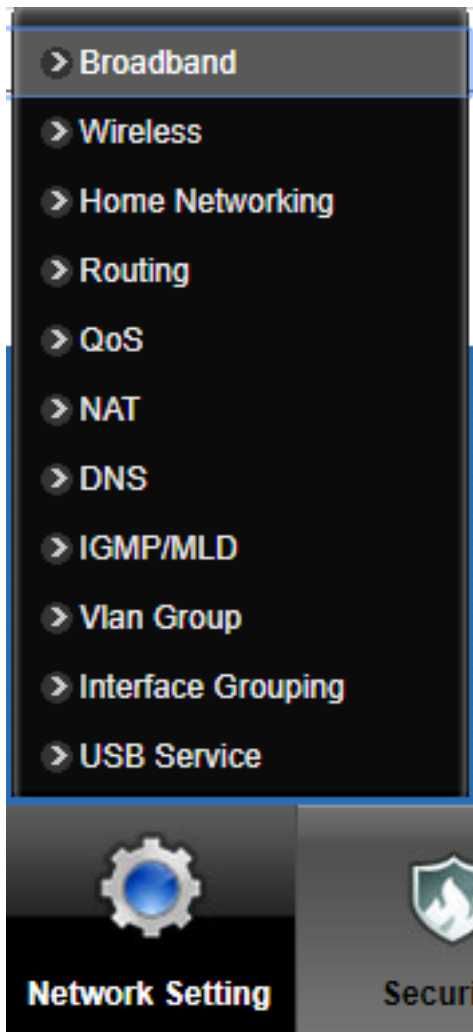
The first step to access the device is plug an Ethernet cable into one of the Zyxels lan ports between 1 and 3.

Once connected browse to 192.168.1.1 using a browser of your choice.

You should see the below screen, log in with username - admin password - 1234. Note this password may of been changed if the device has already been configured, if you have the piece of paper sent with the device, the password should be on there.






Once logged in, a quick start wizard will open up, close that and go to Network setting > Broadband

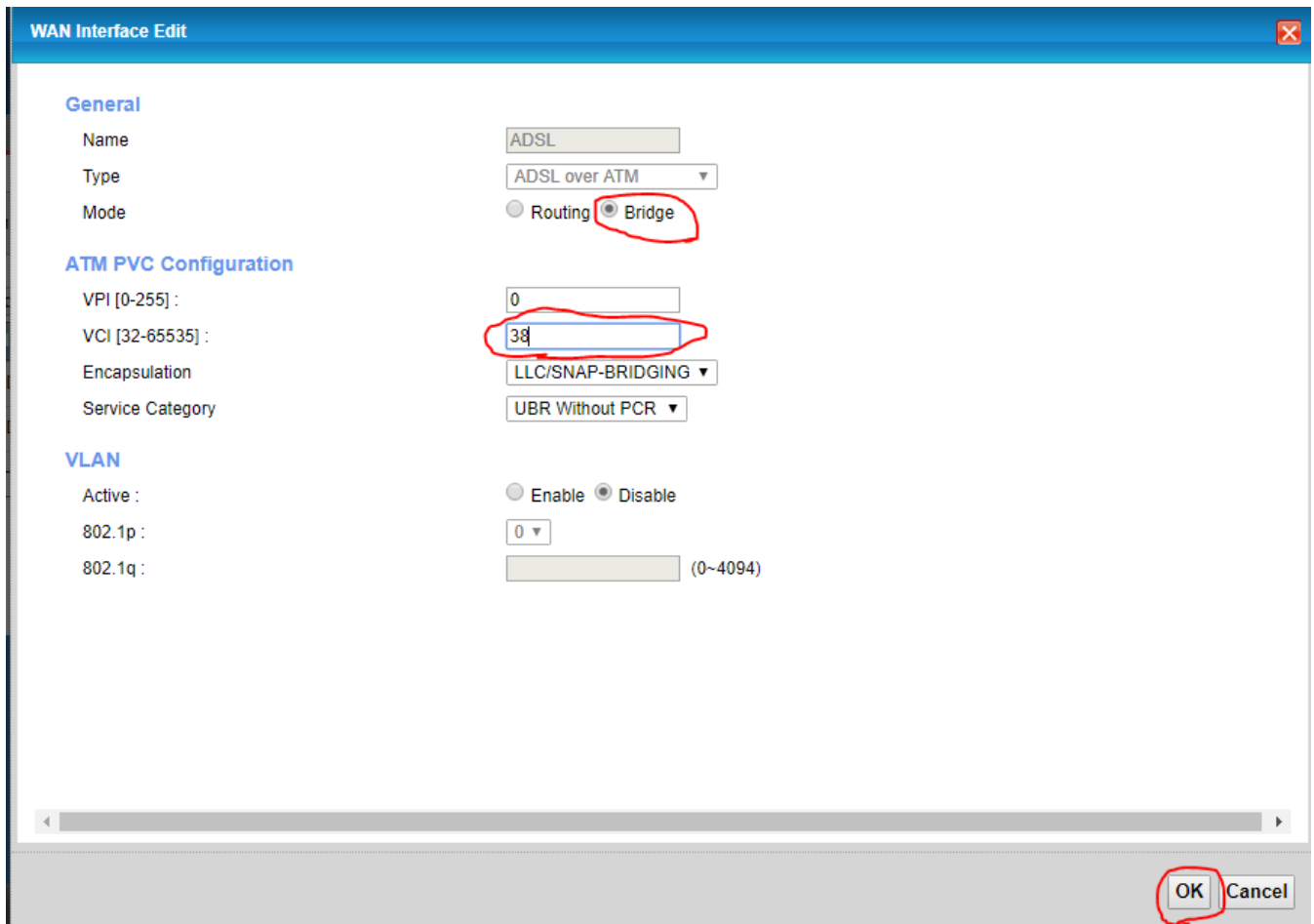


Select the modify option on ADSL

You can configure the Internet settings of this device. Correct configurations build successful Internet connection.

| Add New WAN Interface | | | | | | | | | | | | |
|-----------------------|--------|------|---------|---------------|--------|--------|-----------|-----|----------------|------|-----------|---|
| # | Name | Type | Mode | Encapsulat... | 802.1p | 802.1q | IgmpProxy | NAT | Default Gat... | IPv6 | MLD Proxy | Modify |
| 1 | ADSL | ATM | Routing | IPoE | N/A | N/A | Y | Y | Y | N | N |  |
| 2 | VDSL | PTM | Routing | PPPoE | 0 | 101 | Y | Y | Y | N | N |  |
| 3 | ETHWAN | ETH | Routing | IPoE | N/A | N/A | Y | Y | Y | N | N |  |

Change the two options highlighted below, change the mode to Bridge and VCI to 38. Once done hit ok to save the config



The image shows a 'WAN Interface Edit' window with three sections: General, ATM PVC Configuration, and VLAN. In the General section, the Name is 'ADSL', Type is 'ADSL over ATM', and Mode has 'Bridge' selected (circled in red). In the ATM PVC Configuration section, VPI is '0' and VCI is '38' (circled in red). Encapsulation is 'LLC/SNAP-BRIDGING' and Service Category is 'UBR Without PCR'. In the VLAN section, 'Active' is set to 'Disable' (circled in red), 802.1p is '0', and 802.1q is empty. At the bottom right, the 'OK' button is circled in red.

| Section | Field | Value |
|-----------------------|------------------|--|
| General | Name | ADSL |
| | Type | ADSL over ATM |
| | Mode | <input checked="" type="radio"/> Bridge |
| ATM PVC Configuration | VPI [0-255] | 0 |
| | VCI [32-65535] | 38 |
| | Encapsulation | LLC/SNAP-BRIDGING |
| | Service Category | UBR Without PCR |
| VLAN | Active | <input checked="" type="radio"/> Disable |
| | 802.1p | 0 |
| | 802.1q | |

You will then need to plug the router doing the authentication into LAN4/WAN on the zyxel.

Online URL: <https://kb2.ic.uk/article.php?id=141>