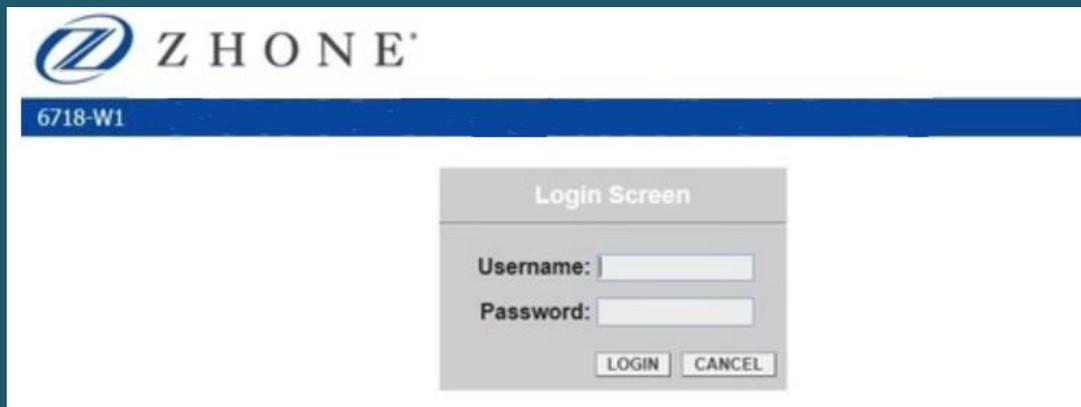


Zhone 6718-W1 VDSL

- Establish a connection between the device and the router via network cable or Wi-Fi , in case you want to use a cable you have to assign a static IP on computer since DHCP is disabled by default
- Open your web browser and type the default IP Address 192.168.1.1 in the address bar
- You will be prompted to enter username and password , Username should be admin and Password : admin+ last 6 characters of modem's serial number



- To configure modem expand **Advanced Setup** and go to **Layer 2 Interface** then click on **Add**

Interface	Vpi	Vci	DSL Latency	Category	Peak Cell Rate(cells/s)	Sustainable Cell Rate(cells/s)	Max Burst Size(bytes)	Min Cell Rate(cells/s)	Link Type	Connection Mode
atm0	0	35	Path0	UBR					EoA	VlanMuxMode
atm1	8	35	Path0	UBR					EoA	VlanMuxMode

- In the VPI and VCI text boxes enter appropriate VPI/VCI numbers , VPI should be 0 if DSP is Ogero and 8 if DSP is GDS then 35 in VCI textbox
- Select Path 0 as DSL latency then select EoA as DSL link type
- Make sure encapsulation mode is LLC/SNAP bridging then click Apply

DSL Configuration Settings

VPI: [0-255]
VCI: [32-65535]

Select DSL Latency
 Path0 (Fast)

Select DSL Link Type (EoA is for PPPoE, IPoE, and Bridge.)
 EoA
 PPPoA
 IPoA

Encapsulation Mode:

Service Category:

Select Scheduler for Queues of Equal Precedence as the Default Queue
 Weighted Round Robin
 Weighted Fair Queuing

Default Queue Weight: [1-63]
Default Queue Precedence: [1-8] (lower value, higher priority)

VC WRR Weight: [1-63]
VC Precedence: [1-8] (lower value, higher priority)

Note: VC scheduling will be SP among unequal precedence VC's and WRR among equal precedence VC's. For single queue VC, the default queue precedence and weight will be used for arbitration. For multi-queue VC, its VC precedence and weight will be used for arbitration.

Activate
Go to Sett

- Go to WAN service then click Add

Wide Area Network (WAN) Service Setup

Choose Add, Remove or Edit to configure a WAN service over a selected interface.

Interface	Description	Type	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewall	IPv4	IPv6
atm0.1	br_0_0_35	Bridge	N/A	N/A	Disabled	Disabled	Disabled	Enabled	Enabled
atm0.2	ATM_MGMT_ipoe_0_0_35.7	IPoE	0	7	Disabled	Enabled	Enabled	Enabled	Disabled
ptm0.1	br_0_1_1	Bridge	N/A	N/A	Disabled	Disabled	Disabled	Enabled	Enabled
ptm0.2	PTM_MGMT_ipoe_0_1_1.7	IPoE	0	7	Disabled	Enabled	Enabled	Enabled	Disabled
eth4.1	br_eth4	Bridge	N/A	N/A	Disabled	Disabled	Disabled	Enabled	Enabled

- Select the correct layer 2 interface according the predefined VPI/VCI and click Next

WAN Service Interface Configuration

Select a layer 2 interface for this service

Note: For ATM interface, the descriptor string is (portId_vpi_vci)
 For PTM interface, the descriptor string is (portId_high_low)
 Where portId=0 --> DSL Latency PATH0
 portId=1 --> DSL Latency PATH1
 portId=4 --> DSL Latency PATH0&1
 low =0 --> Low PTM Priority not set
 low =1 --> Low PTM Priority set
 high =0 --> High PTM Priority not set
 high =1 --> High PTM Priority set

- Choose service type PPPoE and click next

Z H O N E

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Device Info
Advanced Setup
Layer2 Interface
WAN Service
3G Wan Service
VPN
LAN
NAT
Security
Parental Control
Quality of Service
Routing
DNS
DSL
UPnP
DNS Proxy
Print Server
DLNA
Packet Acceleration
Storage Service
Interface Grouping

WAN Service Configuration

Select WAN service type:

PPP over Ethernet (PPPoE)

IP over Ethernet

Bridging

Enter Service Description:

For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID.
For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.

Enter 802.1P Priority [0-7]:

Enter 802.1Q VLAN ID [0-4094]:

- Type ADSL username and password and make sure Authentication method is Auto and enable NAT is checked then click next

Z H O N E

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Device Info
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3G Wan Service
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Print Server
DLNA
Packet Acceleration
Storage Service

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:

PPPoE Service Name:

Authentication Method:

MTU[576-1492]:

KeepAlive

Enable NAT

Enable FireWall

PPP Dial Up Delay Seconds [0-30]:
(0 means random delay between 1-30 seconds)

Limit Retry Time of PPP password on authentication error
Retry Time[0-100]: times

Enable Fullcone NAT

Dial on demand (with idle timeout timer)

- When you reach default gateway page click next

Z H O N E

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Routing -- Default Gateway

Default gateway interface list can have multiple WAN interfaces served as system default gateway be used according to the priority with the first being the highest and the last one the lowest priority interface is connected. Priority order can be changed by removing all and adding them back in again.

Selected Default Gateway Interfaces	Available Routed WAN Interfaces
ptm0.2 atm0.2	ppp0.1

Back Next

- Don't specify any DNS server and click next

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DNS Proxy
Print Server
DLNA
Packet Acceleration
Storage Service
Interface Grouping

DNS

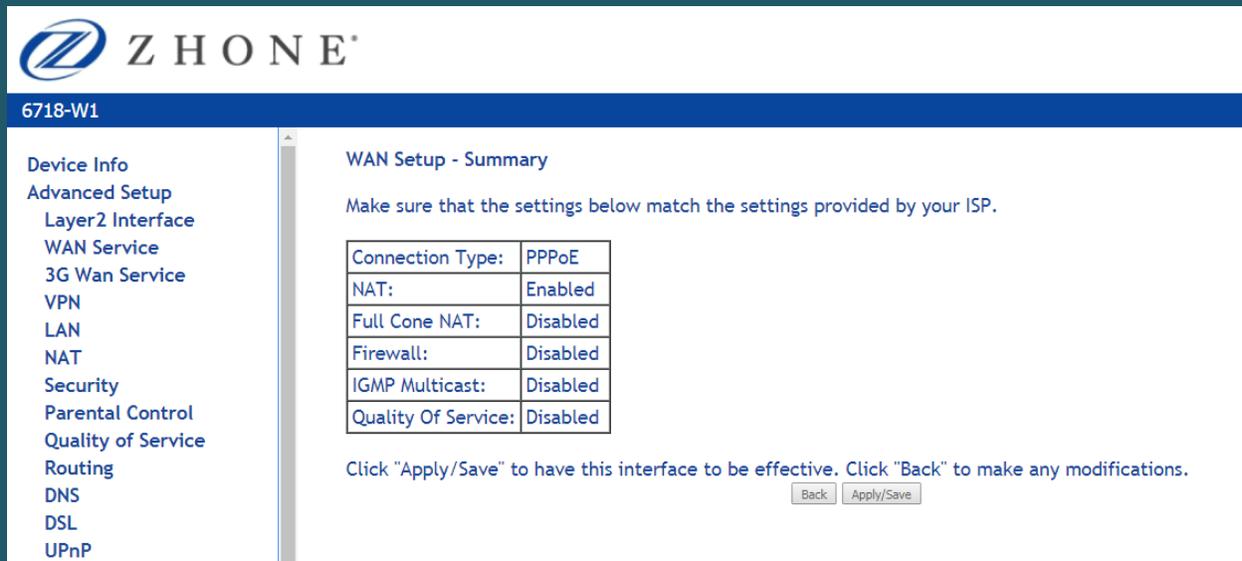
Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for each interface. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered.
DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Select DNS Server Interface from available WAN interfaces:

Selected DNS Server Interfaces	Available WAN Interfaces
atm0.2 ptm0.2	ppp0.1

Back Next

- In WAN setup summary click Apply/Save



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Layer2 Interface
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WAN Setup - Summary

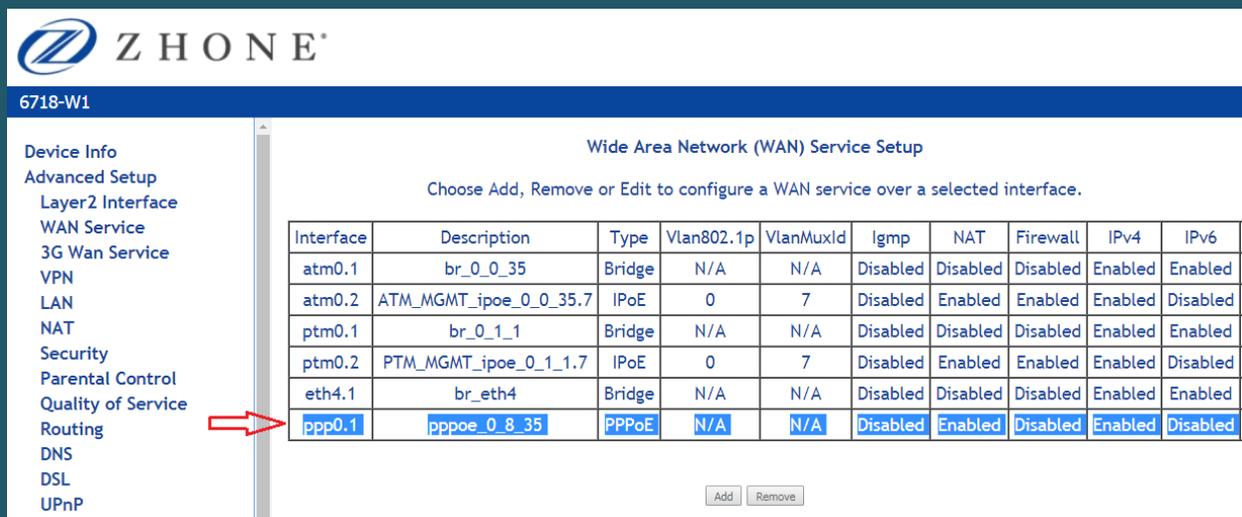
Make sure that the settings below match the settings provided by your ISP.

Connection Type:	PPPoE
NAT:	Enabled
Full Cone NAT:	Disabled
Firewall:	Disabled
IGMP Multicast:	Disabled
Quality Of Service:	Disabled

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.

[Back](#) [Apply/Save](#)

- The **PPPoE** connection has been created as you can find in the below figure



Z H O N E

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Wide Area Network (WAN) Service Setup

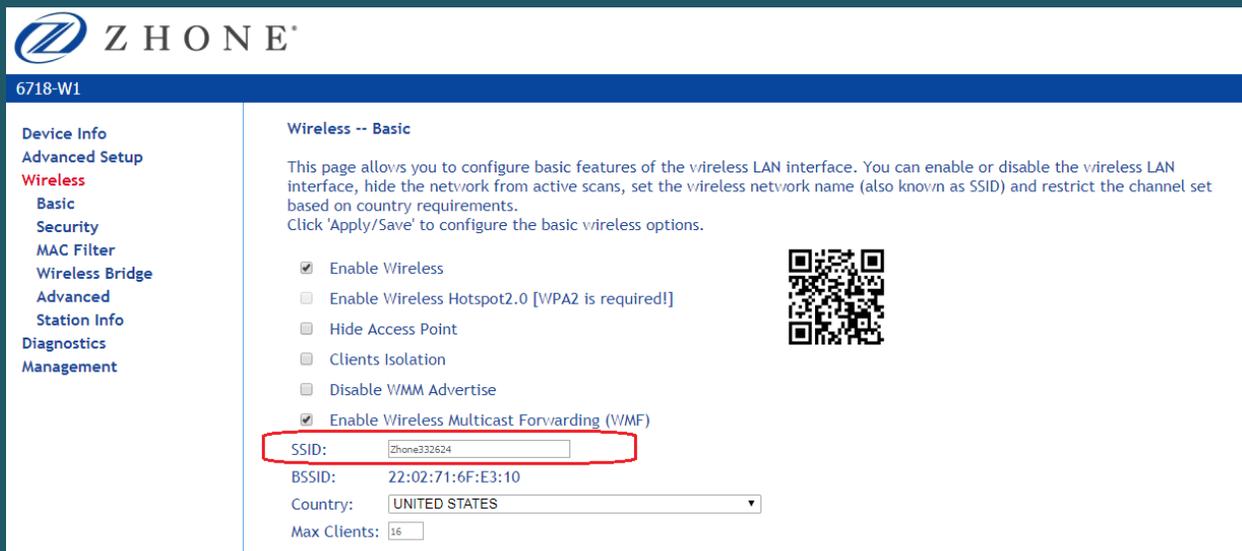
Choose Add, Remove or Edit to configure a WAN service over a selected interface.

Interface	Description	Type	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewall	IPv4	IPv6
atm0.1	br_0_0_35	Bridge	N/A	N/A	Disabled	Disabled	Disabled	Enabled	Enabled
atm0.2	ATM_MGMT_ipoe_0_0_35.7	IPoE	0	7	Disabled	Enabled	Enabled	Enabled	Disabled
ptm0.1	br_0_1_1	Bridge	N/A	N/A	Disabled	Disabled	Disabled	Enabled	Enabled
ptm0.2	PTM_MGMT_ipoe_0_1_1.7	IPoE	0	7	Disabled	Enabled	Enabled	Enabled	Disabled
eth4.1	br_eth4	Bridge	N/A	N/A	Disabled	Disabled	Disabled	Enabled	Enabled
ppp0.1	pppoe_0_8_35	PPPoE	N/A	N/A	Disabled	Enabled	Disabled	Enabled	Disabled

[Add](#) [Remove](#)

Wireless Configuration:

- Expand Wireless tab and click Basic to modify wireless name
- Make sure Enable Wireless is selected then In SSID textbox type the wireless name



Z H O N E

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Device Info
Advanced Setup
Wireless
Basic
Security
MAC Filter
Wireless Bridge
Advanced
Station Info
Diagnostics
Management

Wireless -- Basic

This page allows you to configure basic features of the wireless LAN interface. You can enable or disable the wireless LAN interface, hide the network from active scans, set the wireless network name (also known as SSID) and restrict the channel set based on country requirements.
Click 'Apply/Save' to configure the basic wireless options.

Enable Wireless
 Enable Wireless Hotspot2.0 [WPA2 is required!]
 Hide Access Point
 Clients Isolation
 Disable WMM Advertise
 Enable Wireless Multicast Forwarding (WMMF)

SSID:

BSSID: 22:02:71:6F:E3:10
Country: UNITED STATES
Max Clients: 16



- Click security to change wireless password
- Make sure Network Authentication is WPA-PSK or WPA2-PSK
- In WPA/WAPI passphrase type WIFI password and click Apply/Save (safest passwords are long and contain at least 8 digits of mixed letters, and numbers)

Wireless
Basic
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MAC Filter
Wireless Bridge
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WPS Setup

Enable WPS:

Manual Setup AP

You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click 'Apply/Save' when done.

Select SSID:

Network Authentication:

WPA/WAPI passphrase: [Click here to display](#)

WPA Group Rekey Interval:

WPA/WAPI Encryption:

WEP Encryption:

- In case you have a VDSL line you have to enable VDSL modulation on the modem

Z H O N E

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Advanced Setup

- Layer2 Interface
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- 3G Wan Service
- VPN
- LAN
- NAT
- Security
- Parental Control
- Quality of Service
- Routing
- DNS
- DSL**
- UPnP
- DNS Proxy
- Print Server
- DLNA
- Packet Acceleration
- Storage Service
- Interface Grouping
- IP Tunnel
- IPSec
- Certificate
- Power Management
- Multicast

DSL Settings

The parameters shown in this page is the configuration of the modem and does not represent the running status.

Select the modulation below:

- PTM MODE Enabled
- G.Dmt Enabled
- G.lite Enabled
- T1.413 Enabled
- ADSL2 Enabled
- AnnexL Enabled
- ADSL2+ Enabled
- AnnexM Enabled

Select the profile below:

- VDSL2 Enabled
- 8a Enabled
- 8b Enabled
- 8c Enabled
- 8d Enabled
- 12a Enabled
- 12b Enabled
- 17a Enabled

US0

- Enabled

Select the phone line pair below:

- Inner pair
- Outer pair