



ALL-WR0500AC

ADSL2+/VDSL Router incl. Modem und WLAN



USER MANUAL

Standardeinstellungen

IP: 192.168.1.1

Benutzername: admin

Passwort: admin

WLAN-Passwort: aallnneett

Bitte ändern Sie aus Sicherheitsgründen nach der endgültigen Konfiguration die Standard-Passwörter des Gerätes!

Please change the default passwords of the appliance for safety reasons after the final configuration!

Besuchen Sie unser Downloadportal um aktuelle Firmware / Dokumente / Software zu erhalten:

<http://www.allnet.de/downloads.html>

Weitere Hilfestellungen finden Sie auch online in unserem Service Portal:

<http://service.allnet.de/>

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About the Device

ALLNET ALL-WR0500AC Residential gateway is an integrated device which greatly aims to become the best companion of your customer's needs. ALLNET hyped up the ALL-WR0500AC exquisitely with dozens of features users would easily appreciate and utilize.

- **An Ideal ADSL2/2+, VDSL2, FTTH via ONT Solution.** Equipped with both a Gigabit WAN port for FTTH via ONT and an RJ-11 port for DSL connectivity, your ALL-WR0500AC can easily work for both Fibre and ADSL2/2+ or VDSL2 connections.
- **Fast and Reliable Concurrent Dual Band Wireless Connectivity.** Wireless connectivity is supported by the 802.11n wireless standard for the 2.4GHz, and the 802.11ac wireless standard for the 5.0GHz frequency band. It simply shares fast and reliable speeds of up to 300Mbps on the 2.4GHz, and speeds of up to 900Mbps on the 5.0GHz band concurrently for all of your wireless devices.
- **Connect Easily using Wi-Fi Protected Setup (WPS).** Instead of connecting conventionally to your wireless network by entering a passphrase key, WPS enabled devices can easily connect to your ALL-WR0500AC through a simple press of the WPS button on both devices.
- **Use your connection to make calls.** With the ALL-WR0500AC, you may use your internet connection in making calls by just connecting your regular phone directly to the Voice port. You can now rely directly on your internet connection whenever you are making calls.

- **USB 2.0 Ports for both Printer and File Storage.** Having you in mind when we created this device, two (2) USB ports were placed to support network printing, and even file storage and sharing.
- **Easy Installation and Setup.** Unlike other complex devices, the ALL-WR0500AC uses an intuitive design making the device easy to setup and use. You can also easily manage various router features through an OS Independent Web User Interface that you can easily access after connecting to the device.

Requirements

Your computer must meet the following minimum requirements.

- Any operating system can be used
- Web Browser
- 233MHz processor (or higher)
- Ethernet network adapter
- An active ADSL/VDSL Internet account or ONT for Fibre connection

Package Contents

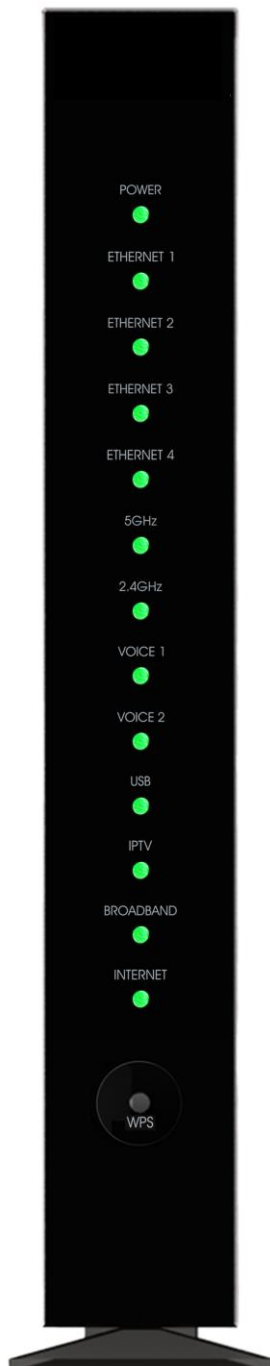
Package contents are listed below. For any missing items, please contact your dealer immediately. Product contents vary for different models.

- Router
- Ethernet cable
- Telephone cable
- FXS Phone Splitter
- 12V 2.0A DC Power Adapter
- Easy Start Guide
- Warranty Policy

Note: You may also download the Easy Start Guide, and the User Manual by visiting this link: <http://www.allnet.de/downloads.html>

Device Design

Front Panel



LED	STATUS	DESCRIPTION
POWER	Off	No power is supplied to the device
	Green (Steady)	Connected to a Power Supply
	Red (Steady)	Error on the device
ETH LAN 1-4	OFF	No Ethernet connection
	Green (Steady)	Connected Ethernet Device using Gigabit Ethernet cable
	Green (Blinking)	Transmitting/Receiving data through Gigabit Ethernet Cable
	Orange (Steady)	Connected Ethernet Device using Fast Ethernet cable
	Orange (Blinking)	Transmitting/Receiving data through Fast Ethernet Cable
2.4GHz /5.0GHz	OFF	There is no device connected wirelessly
	Green (Blinking)	There is data transmission
	Green (Steady)	There is a device connected wirelessly
VOICE 1&2	Off	VoIP not configured or disabled
	Green (Steady)	VoIP configured and activated
	Red (Steady)	VoIP call in-progress
USB	OFF	No USB connection
	ON	USB device is connected.
IPTV	OFF	IPTV interface is not up
	Green (Steady)	IPTV Interface is up and Set-top box is active
	Red (Steady)	IPTV is up and Set-top box is inactive/or not connected
DSL	OFF	There is no DSL signal or there is no connectivity to the ONT
	Green (Blinking)	Establishing DSL Signal
	Green (Steady)	DSL signal is established or connectivity to the ONT is established
		WAN Ethernet interface is connected
INTERNET	OFF	No internet
	Red (Steady)	DSL, PPT Authentication Failed
	Green (Steady)	Internet interface is up

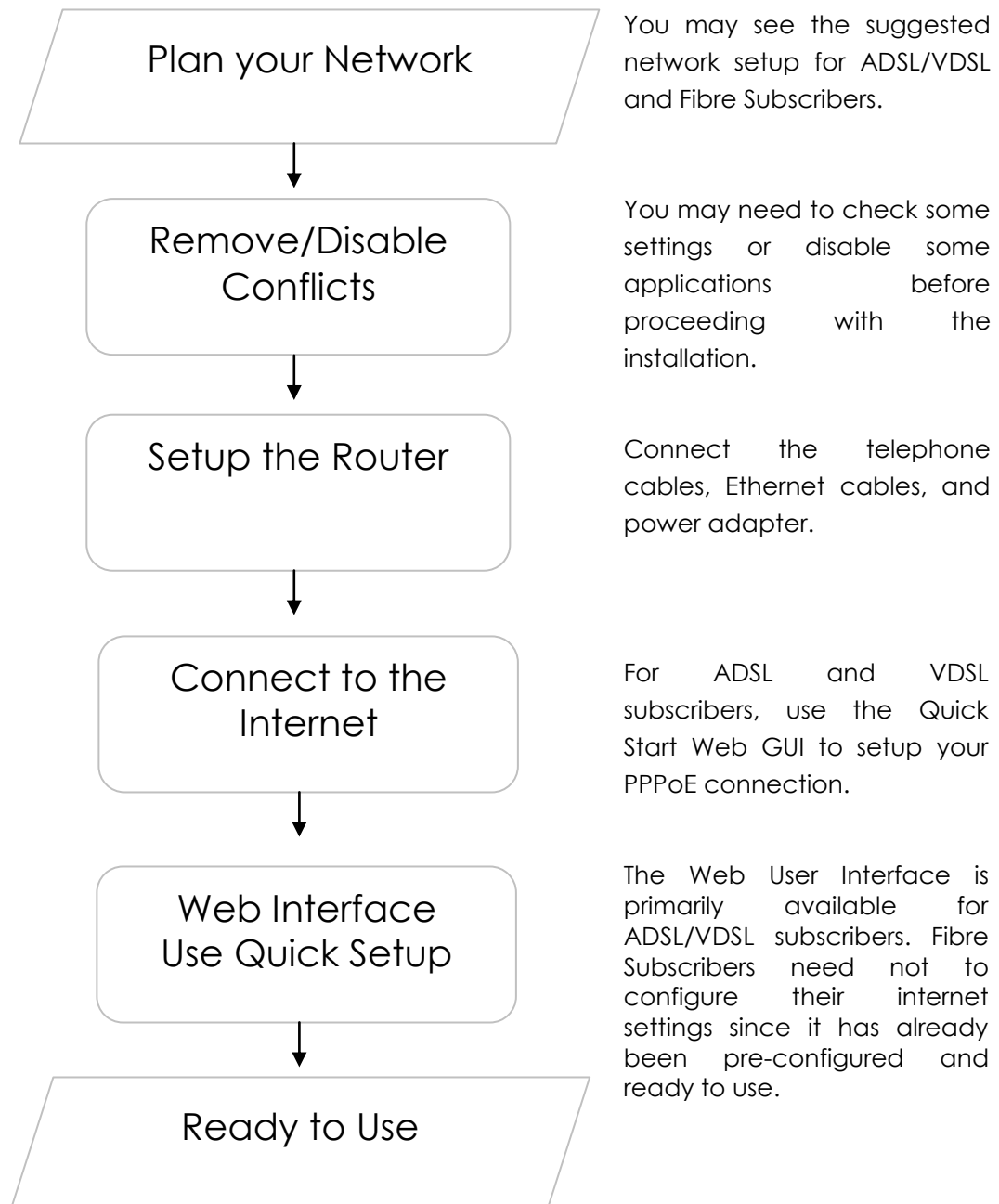
Back Panel



PORT/BUTTON	DESCRIPTION
DSL / LINE	Connecting the modem to an ADSL/VDSL line
ETHERNET WAN	For WAN connection through an Ethernet cable
ETHERNET 1 - 4	Connecting computers and other Ethernet devices
USB 1 & 2	For USB devices such as printers and USB external hard drives
WIFI ON/OFF	Turns ON/ OFF the ALL-WR0500AC's wireless
VOICE 1 & 2	Port for Voice over IP Phones
RESET	To reset the modem to the factory default configuration
POWER	Adapter input
ON/OFF Switch	Turns ON/OFF the ALL-WR0500AC

Getting Started

Setting up the device is easy. The flowchart below provides an outline of the steps needed in order to complete the installation. Brief descriptions appear beside each step. Detailed instructions are provided in the subsequent pages.

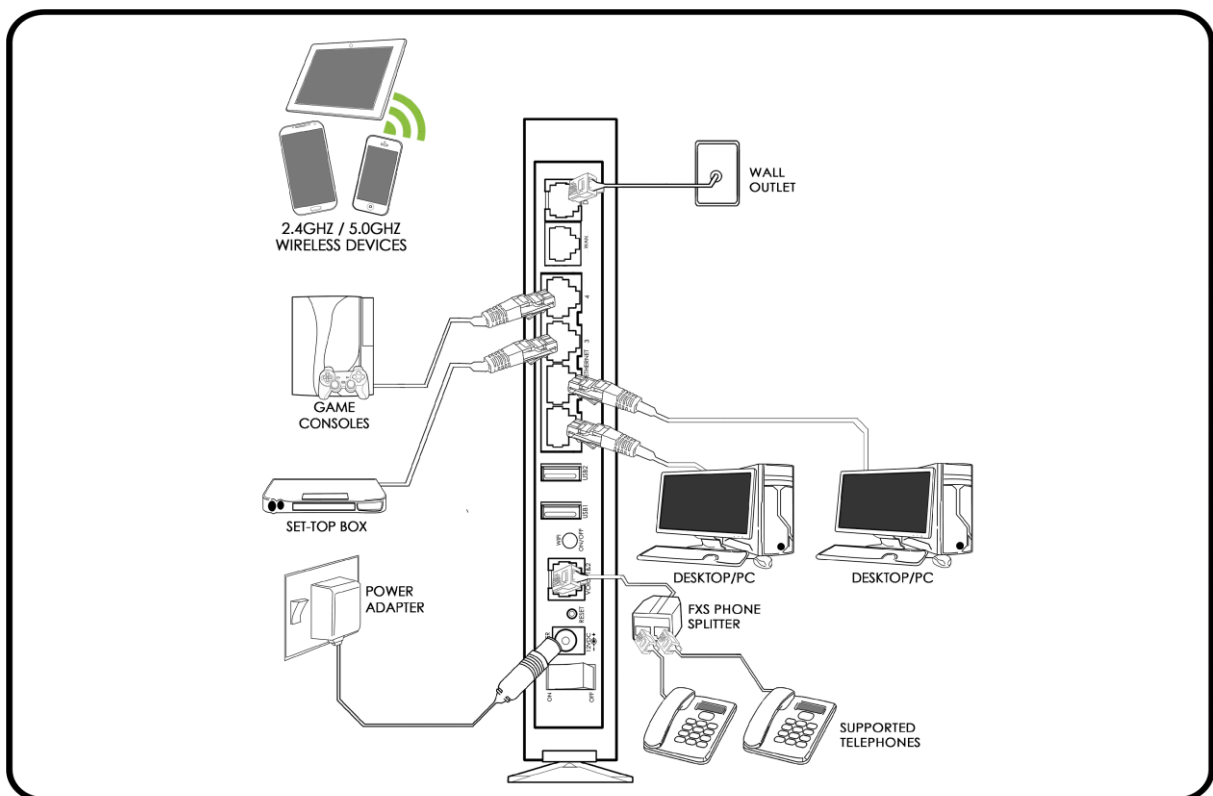


Planning Your Network

Before moving ahead to setup your network, it is a good idea to draw out a network diagram to help identify your network devices and plan out how to connect these devices.

Separate network diagrams are provided for both ADSL/VDSL and Fibre subscribers.

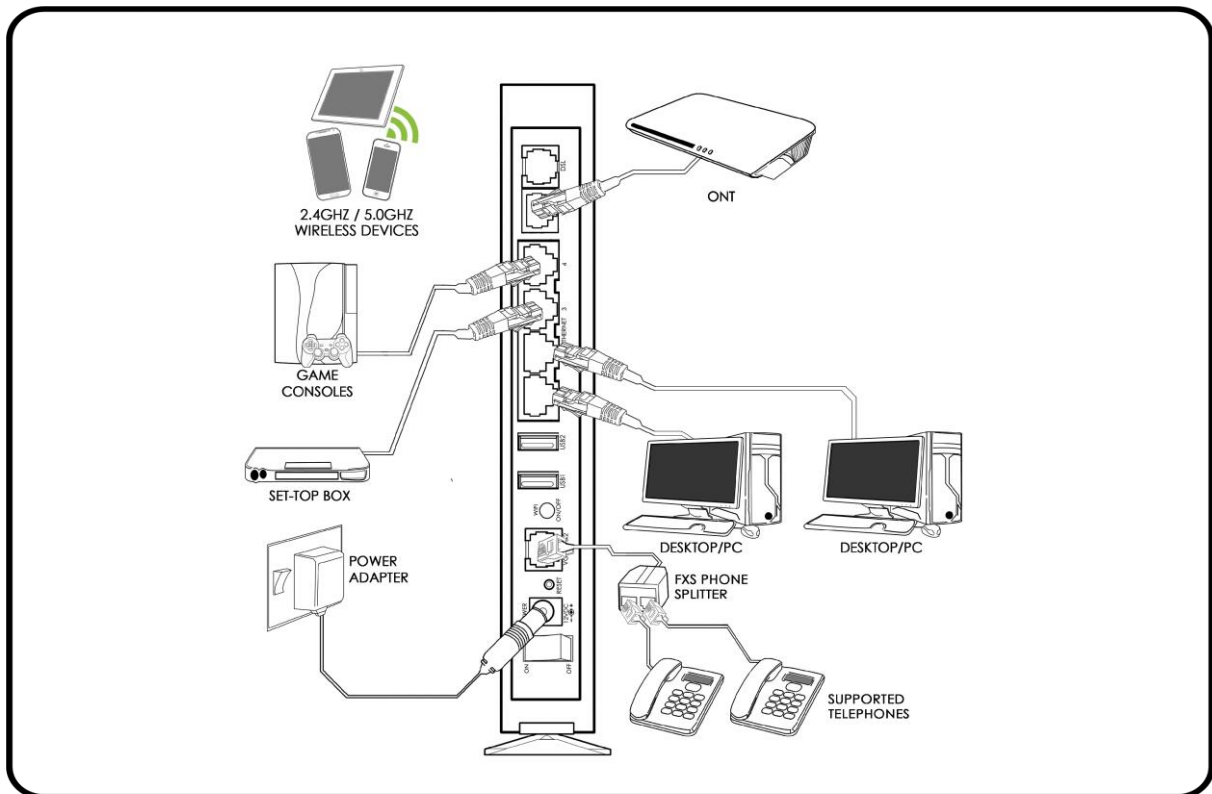
For xDSL Subscribers:



Each port in the router can be used for different connections. For example:

- Ethernet 1 – Set-top Box
- Ethernet 2 – Game Console
- Ethernet 3 – Dad's Computer
- Ethernet 4 – Mom's Computer
- DSL/LINE - DSL Microfilter

For Fibre Subscribers:



Each port in the router can be used for different connections. For example:

- Ethernet 1 – Set-top Box
- Ethernet 2 – Game Console
- Ethernet 3 – Dad's Computer
- Ethernet 4 – Mom's Computer
- Ethernet WAN – ONT

To create a network diagram:

- For **wireless devices**, identify the wireless devices you want to include in the network and to which frequency band you plan to connect each.
- For wired devices, identify which router port you want to use for each device.

Remove or Disable Conflicts

To ensure that the router installation moves on smoothly, you need to remove or disable conflicts that may interfere with the installation. Probable conflicts may include:

- Internet sharing applications
- Proxy software
- Security software
- TCP/IP settings
- Internet properties
- Temporary Internet files

Internet Sharing, Proxy, and Security Applications

Internet sharing, proxy software, and firewall applications may interfere with the router installation. These should be removed or disabled before starting the installation.

If you have any of the following or similar applications installed on your computer, remove or disable them according to the manufacturer's instructions.

Internet Sharing Applications	Proxy Software	Security Software
Microsoft Internet Sharing	WinGate	Symantec
	WinProxy	Zone Alarm

Configuring TCP/IP Settings

Check if your computer uses the default TCP/IP settings.

To check the TCP/IP properties:

1. Select **Start > Run**. The Run dialog box would appear.
2. Enter **control ncpa.cpl** on the input box, and then click the **OK** button. This would open the Network Connections window in your computer.
3. Right-click **LAN** and then select **Properties**. The Local Area Connection Properties dialog box would appear.
4. Select **Internet Protocol (TCP/IP)** and then click **Properties**. The Internet Protocol (TCP/IP) dialog box would appear.
5. Select **Obtain an IP address automatically**.
6. Click the **OK** button to close the Internet Protocol (TCP/IP) dialog box.
7. Click the **OK** button to close the Local Area Connection Properties dialog box.

Configuring Internet Properties

To set the Internet Properties:

1. Select **Start > Run**. This opens the Run dialog box.
2. Enter **control inetcppl.cpl** and then click **OK** to open the Internet Properties window.
3. Click on the **Connections** tab.
4. In the Dial-up and Virtual Private Network settings pane, select **Never dial a connection**.
5. Click **OK** to close Internet Properties.

Removing Temporary Internet Files

Temporary Internet files are files from Web sites that are stored in your computer. Delete these files to clean the cache and remove footprints left by the Web pages you visited.

To remove temporary Internet files:

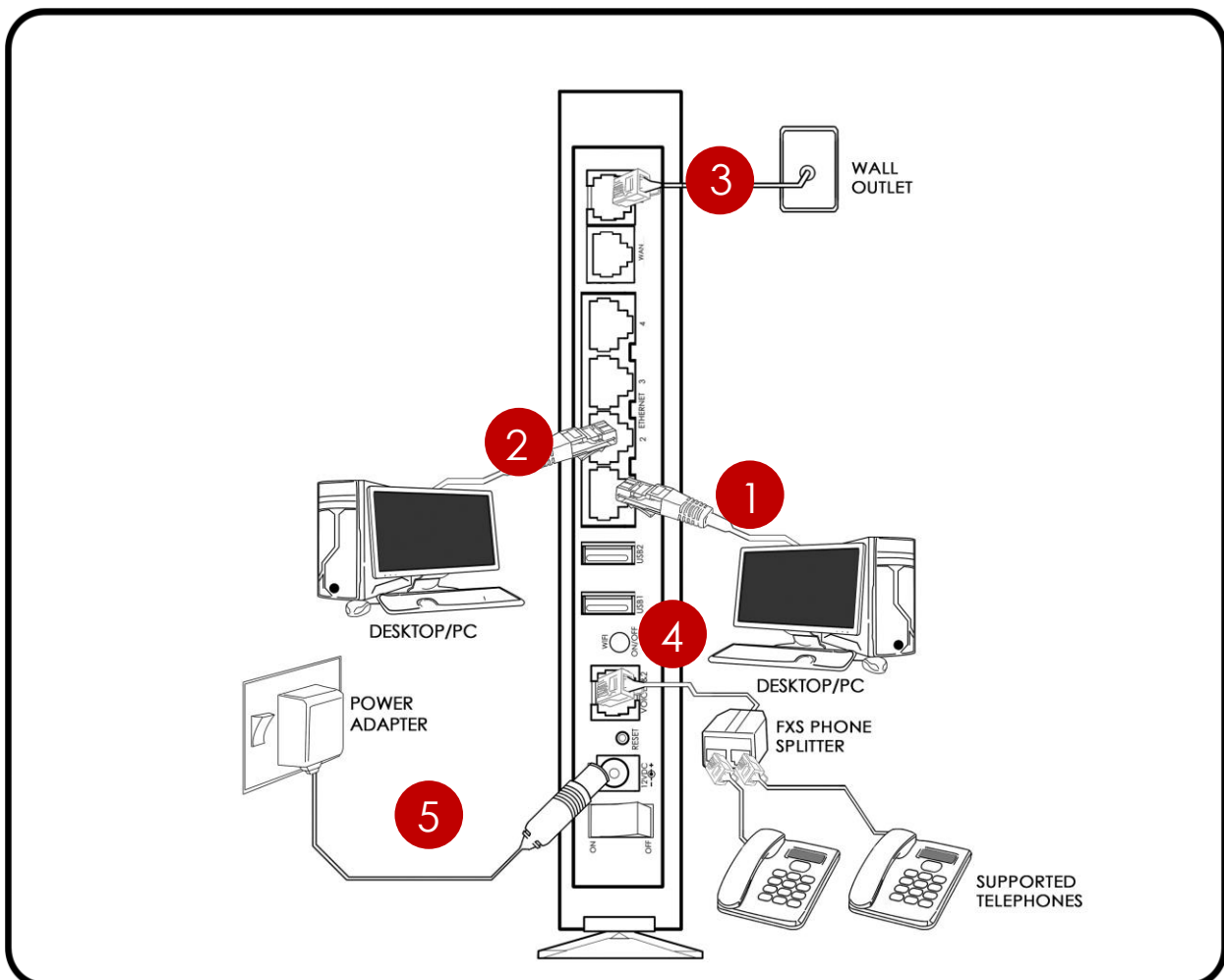
1. Select **Start > Run** to open the Run dialog box.
2. Enter **control** and then click the **OK** button to open the Control Panel.
3. Double-click on **Internet Options**.
4. On the Internet Options window, in the Temporary Internet Files pane, click **Delete Cookies**.
5. Click **Delete Files**.
6. Click **OK** to close Internet Properties.

Setup the Device

When installing the router, find an area where there are enough electrical outlets for the router, the main computer, and your other computer devices.

NOTE: Different setup procedures are provided for both ADSL/VDSL and Fibre subscribers.

For ADSL/VDSL Subscribers:



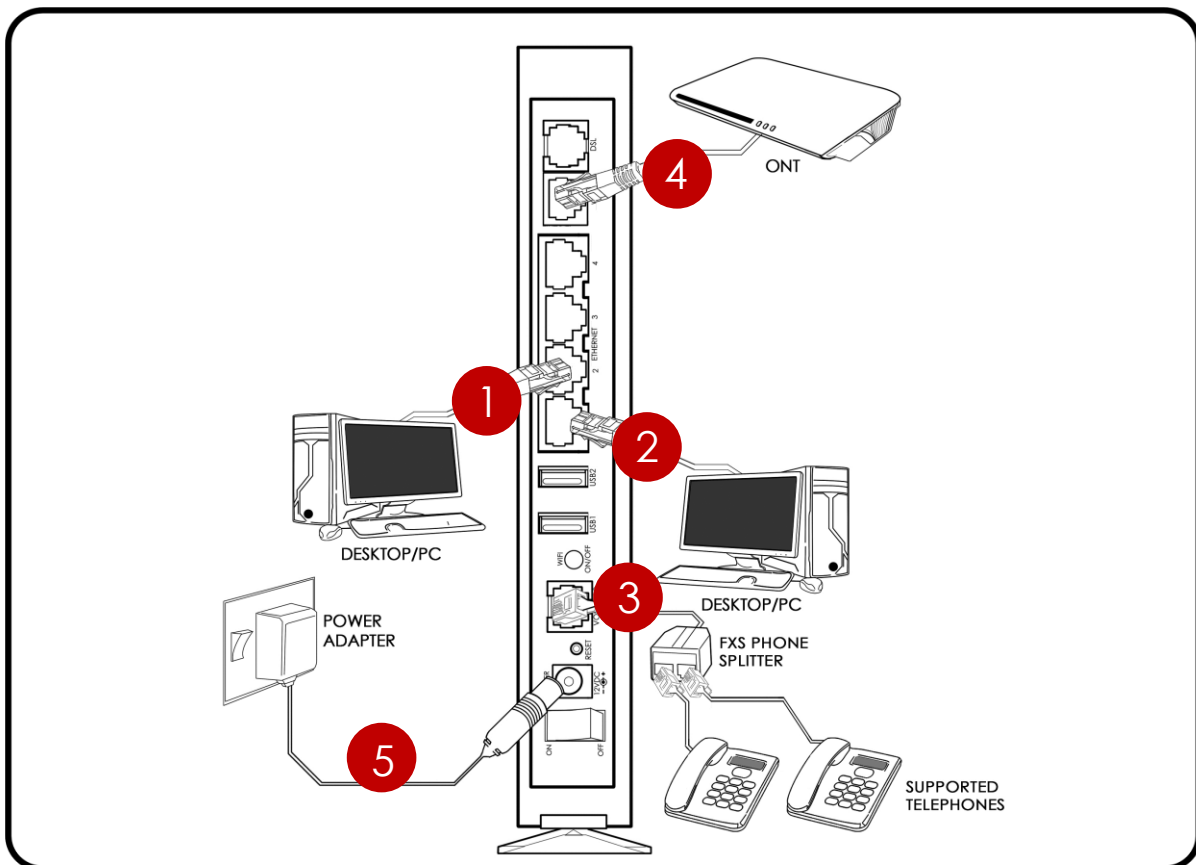
For ADSL/VDSL subscribers, please follow the instructions below in setting up your device:

1. Plug one end of the Ethernet cable from the router's Ethernet port and then plug the other end into the Ethernet port of your computer.
2. If you have another device that you need to connect into the router, use another Ethernet cable. Plug one end of an Ethernet cable from the

computer's Ethernet port and then plug the other end into an available Ethernet port in the router.

3. Using the telephone cable provided in the package, connect the DSL port to an available phone jack in your house.
4. Connect the FXS Phone Splitter to your router's Voice port. You may connect two supported Phones on the P1 and P2 ports of your FXS Phone Splitter.
5. Connect the power adapter from the router's 12V 2.0A DC port into the power outlet.

For Fibre Subscribers:



For Fibre subscribers, please follow the instructions below:

1. Plug one end of the Ethernet cable from the router's Ethernet port and then plug the other end into the Ethernet port of your computer.
2. If you have another device that you need to connect into the router, use another Ethernet cable. Plug one end of an Ethernet cable from the computer's Ethernet port and then plug the other end into an available Ethernet port in the router.
3. Using another Ethernet cable, plug one end of an Ethernet cable to the WAN port of your router, and then plug the other end to the available Ethernet port of your ONT.
4. Connect the FXS Phone Splitter to your router's Voice port. You may connect two (2) supported phones to the FXS Phone Splitter.
5. Connect the power adapter from the router's 12V 2.0A DC port into the power outlet.

Connecting to the Internet

You can use the Web Interface to setup your Internet connection.

Connecting Via Quick Setup

For ADSL/VDSL subscribers, you can use the steps provided in the subsequent pages to quickly setup your Internet connection.

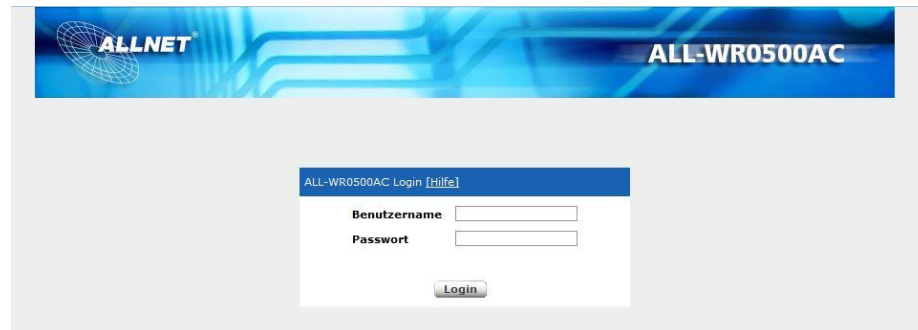
NOTE: For Fibre subscribers, internet configuration is not necessary to connect to the internet. Internet configuration settings are already pre-configured and are ready to use.

There are two ways in connecting via Quick Setup:

- Connecting to the Internet via the User mode GUI
- Connecting to the Internet via the Web Interface Setup Wizard

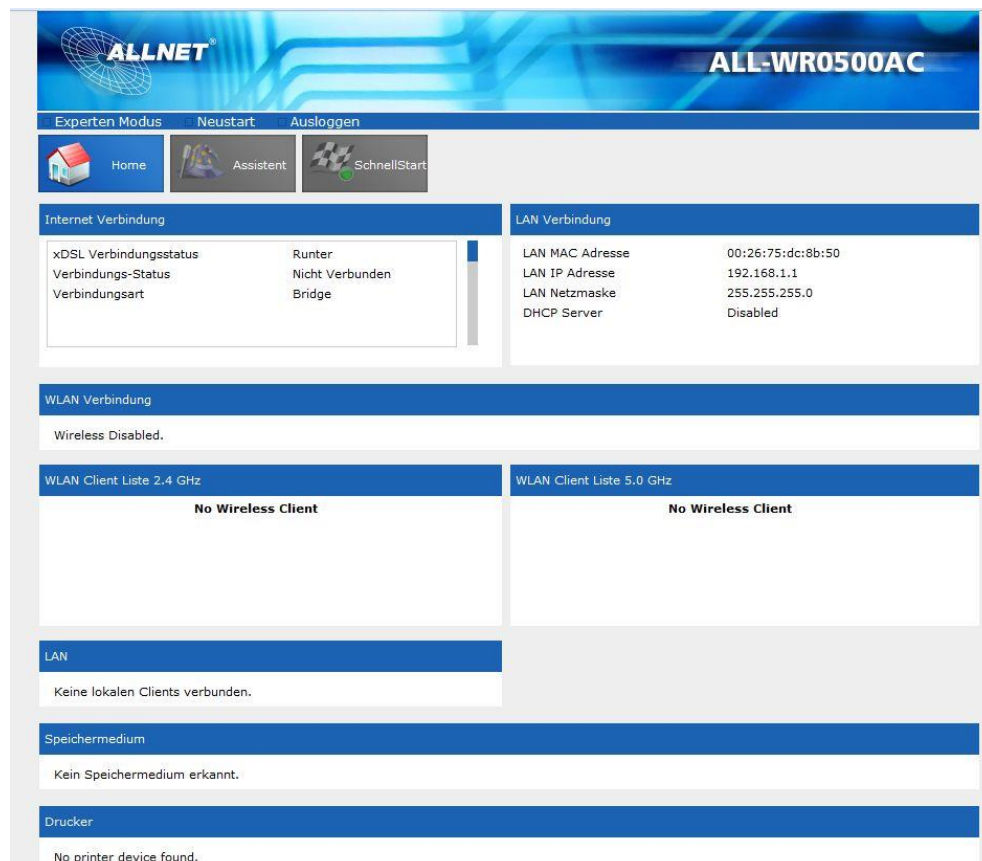
To connect to the Internet via the User mode GUI:

1. Launch any web browser (e.g. Internet Explorer, Google Chrome).
2. On the address bar type **192.168.1.1** and press enter to access the Web User Interface.



3. Enter **admin** as its username and password. You will then be redirected to the web user interface of your ALL-WR0500AC.

NOTE: **admin** is the default username and password of your ALL-WR0500AC's web user interface.



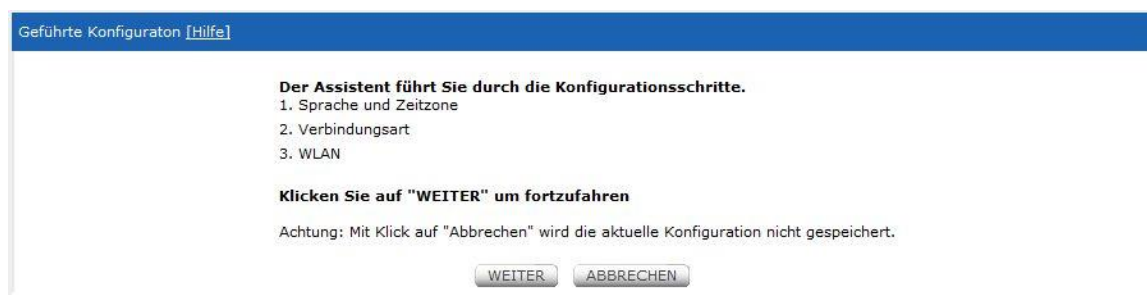
4. You can setup your internet connection in two (2) ways:

A. Through the Wizard menu

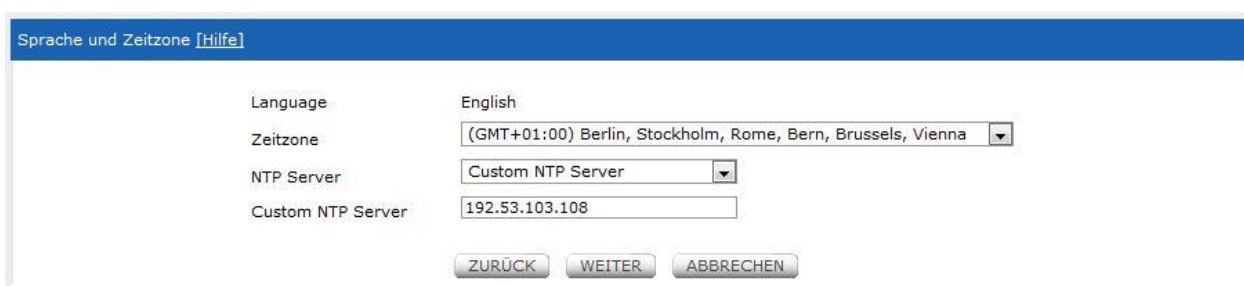
a) On the Web User Interface, click **Wizard**.



b) On the next page, click **Next** to continue.



c) On the **Language and Time Zone** section, select a **Time Zone** on the Time Zone drop down list and select an **NTP Server** or enter the **preferred Custom NTP Server** then click **Next**.



d) On the **WAN Connection** section, enter correctly **the Connection Type**, the **User Name** and **Password**, and the **VPI/VCI** values provided to you by your Internet Service Provider (ISP) then click **Next**.

WAN Verbindung [Hilfe]

WAN Verbindung

Transfer Modus: VDSL

Verbindungsart: PPPoA - LLC

Benutzername: username

Passwort: ••••••••

802.1q: Aktiviert Deaktiviert

VLAN ID: 7

ZURÜCK WEITER ABBRECHEN

- e) On the **Wireless Setup** section, you may enable or disable any or all frequency bands, change the **SSID** (Wireless Network Name) and **Passphrase** (Wireless Password) of each frequency band, and determine the **Country** you are in. Click **Next** to proceed.

WLAN Konfiguration [Hilfe]

2.4 GHz

WLAN Aktiviert:

Broadcast SSID:

SSID: ALL-WR0500AC

WPA/WPA2 Aktiviert:

Passwort (8-63 Zeichen, keine Leerzeichen): aallnneett

5.0 GHz

WLAN Aktiviert:

Broadcast SSID:

SSID: ALL-WR0500AC

WPA/WPA2 Aktiviert:

Passwort (8-63 Zeichen, keine Leerzeichen): aallnneett

Land: GERMANY

ZURÜCK WEITER ABBRECHEN

- f) On the **Summary** section, verify if the entered details are correct. Click **Apply** to finalize the Wizard process.

Zusammenfassung [\[Hilfe\]](#)

Sprache und Zeitzone	
Language	English
Zeitzone	(GMT+01:00) Berlin, Stockholm, Rome, Bern, Brussels, Vienna
NTP Server	192.53.103.108
WAN Verbindung	
Transfer Modus	PTM
Verbindungsart	PPPoE/PPPoA
Benutzername	username
Password	password
VLAN ID	7
WLAN 2.4 GHz	
WLAN Aktiviert	NO
Broadcast SSID Aktiviert	YES
SSID	ALL-WR0500AC
WPA/WPA2 Aktiviert	OFF
Password	aallnneett
WLAN 5.0 GHz	
WLAN Aktiviert	NO
Broadcast SSID Aktiviert	YES
SSID	ALL-WR0500AC
WPA/WPA2 Aktiviert	OFF
Password	aallnneett
Land	GERMANY

ZURÜCK BESTÄTIGEN ABBRECHEN

g) You may now start surfing the Internet.

B. Through the QuickStart menu

- a) On the Web User Interface, click **Quick Start**.



- b) Choose the **Connection Type**, and enter the **Username** and **Password** provided by your Internet Service Provider (ISP).
- c) You may disable/enable the Wireless and its broadcast, change your wireless' SSID (wireless network name), enable/disable the WPA/WPA2 and change the passphrase (wireless password) of both the 2.4GHz and 5.0GHz frequency bands in this area.
- d) Click **Apply** to apply changes.

Schnellkonfiguration [\[Hilfe\]](#)

WAN Verbindung	
Transfer Modus	VDSL
Verbindungsart	PPPoA - LLC
Benutzername	username
Passwort
802.1q	<input type="radio"/> Aktiviert <input checked="" type="radio"/> Deaktiviert
VLAN ID	7
WLAN 2.4 GHz	
WLAN Aktiviert	<input type="checkbox"/>
Broadcast SSID	<input checked="" type="checkbox"/>
SSID	ALL-WR0500AC
WPA/WPA2 Aktiviert	<input type="checkbox"/>
Passwort (8-63 Zeichen, keine Leerzeichen)	aallnneett
WLAN 5.0 GHz	
WLAN Aktiviert	<input type="checkbox"/>
Broadcast SSID	<input checked="" type="checkbox"/>
SSID	ALL-WR0500AC
WPA/WPA2 Aktiviert	<input type="checkbox"/>
Passwort (8-63 Zeichen, keine Leerzeichen)	aallnneett

e) You may now surf the internet.

About the Web User Interface

The Web User Interface is used to configure both the basic and advanced router settings of your ALL-WR0500AC.

Accessing the Web User Interface

To access your ALL-WR0500AC's Web User Interface:

1. Launch any web browser (e.g. Internet Explorer, Google Chrome).
2. Type-in **192.168.1.1** on the address bar and then press Enter. You will be redirected to the login page of your ALL-WR0500AC's web user interface.



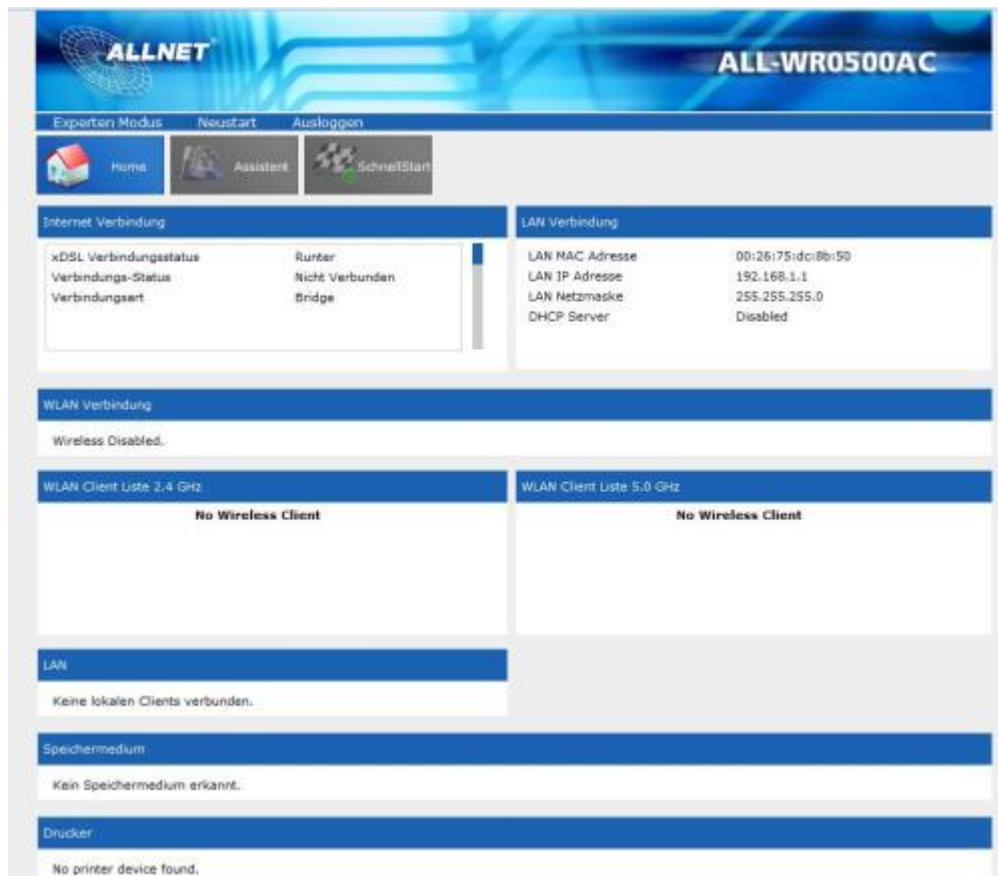
ALL-WR0500AC Login [Hilfe]

Benutzername

Passwort

Login

3. On the Login page, type in **admin** as its username and password. You will be redirected to your ALL-WR0500AC's Web User Interface's Home page.



Web User Interface Modes

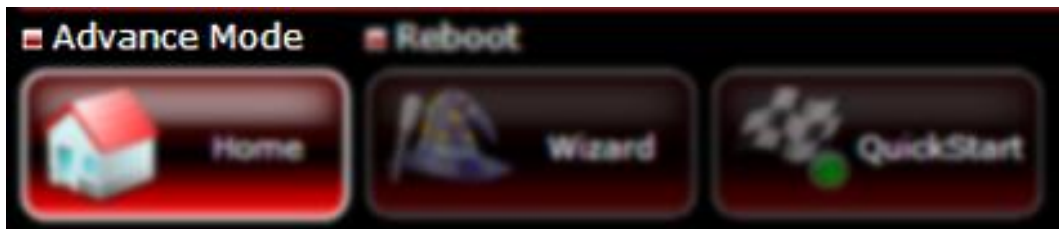
The Web User Interface is subdivided into two (2) different modes:

- Basic Mode
- Advanced Mode

Switching Modes

To switch modes, simply click the **Advanced Mode / Basic Mode** button located on the upper left corner of the ALL-WR0500AC's Web User Interface as seen below.

When in **Basic Mode**:



When in **Advanced Mode**:



Rebooting and Logging Out

Upon logging in to the ALL-WR0500AC's web user interface, you are also given an option to reboot the device, or logout of the web user interface. **Reboot** is similar to restart and would be useful in instances wherein a device restart is essential for the configured settings to take effect. **Logout** on the other hand allows you to logout the current account you used to login.

Basic Mode

The Basic Mode displays your router information and its current configuration. It allows you to quickly configure router settings to have access to the Internet, and also includes a setup wizard that easily guides users to setup their device in a procedural manner.

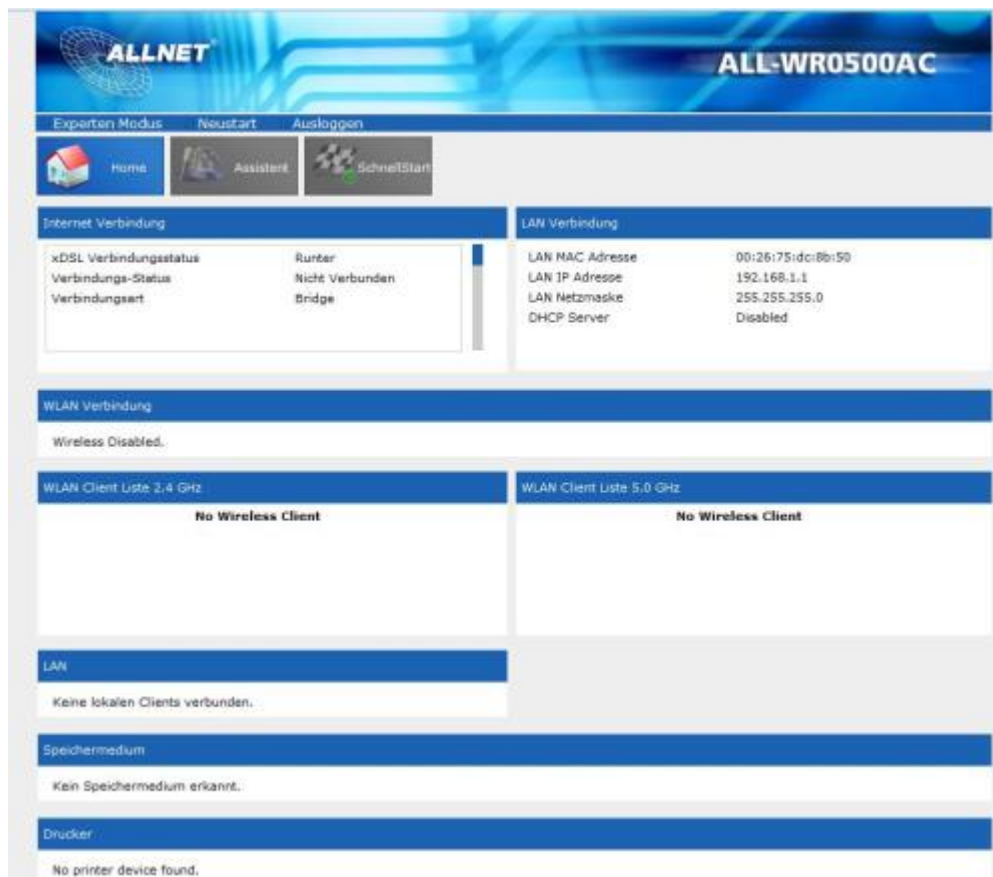
Menus

The Basic Mode Web User Interface includes the following menus:

- Home
- Wizard
- Quick Setup

Home

The Home page of the web user interface displays a summary of the overall information or statuses of your Internet Connection, LAN Connection, Wireless Connection, 2.4GHz and 5.0GHz wireless clients, Local Network, storage, and printer. In configuring other router features, you may use this page as a reference to the other details that you might need.



- **Internet Connection.** This section provides details of your Internet connection such as the xDSL Line Status, Connection Status, Connection Type, your router's WAN IP Address, etc.
- **LAN Connection.** This section provides details of your Local Area Network connection such as the LAN IP Address, LAN MAC Address, LAN Net Mask and DHCP Server status. Do take note that upon disabling the wireless connection

- **Wireless Connection.** This section provides an overview of the Wireless Connection information of both 2.4GHz and 5.0GHz frequency bands. Details such as each band's wireless SSID, Broadcast SSID, Wireless mode, WLAN MAC Address and Security can be found in this area for quick viewing.
- **Local Network.** This section provides the details of the directly connected local clients to your router such as the hostname, IP Address, MAC address, and the lease expiry time provided for the device.
- **Storage.** This section provides the details of any external USB storage devices connected to the ALL-WR0500AC.
- **Printer.** This section shows the connected and or detected printers in the network.

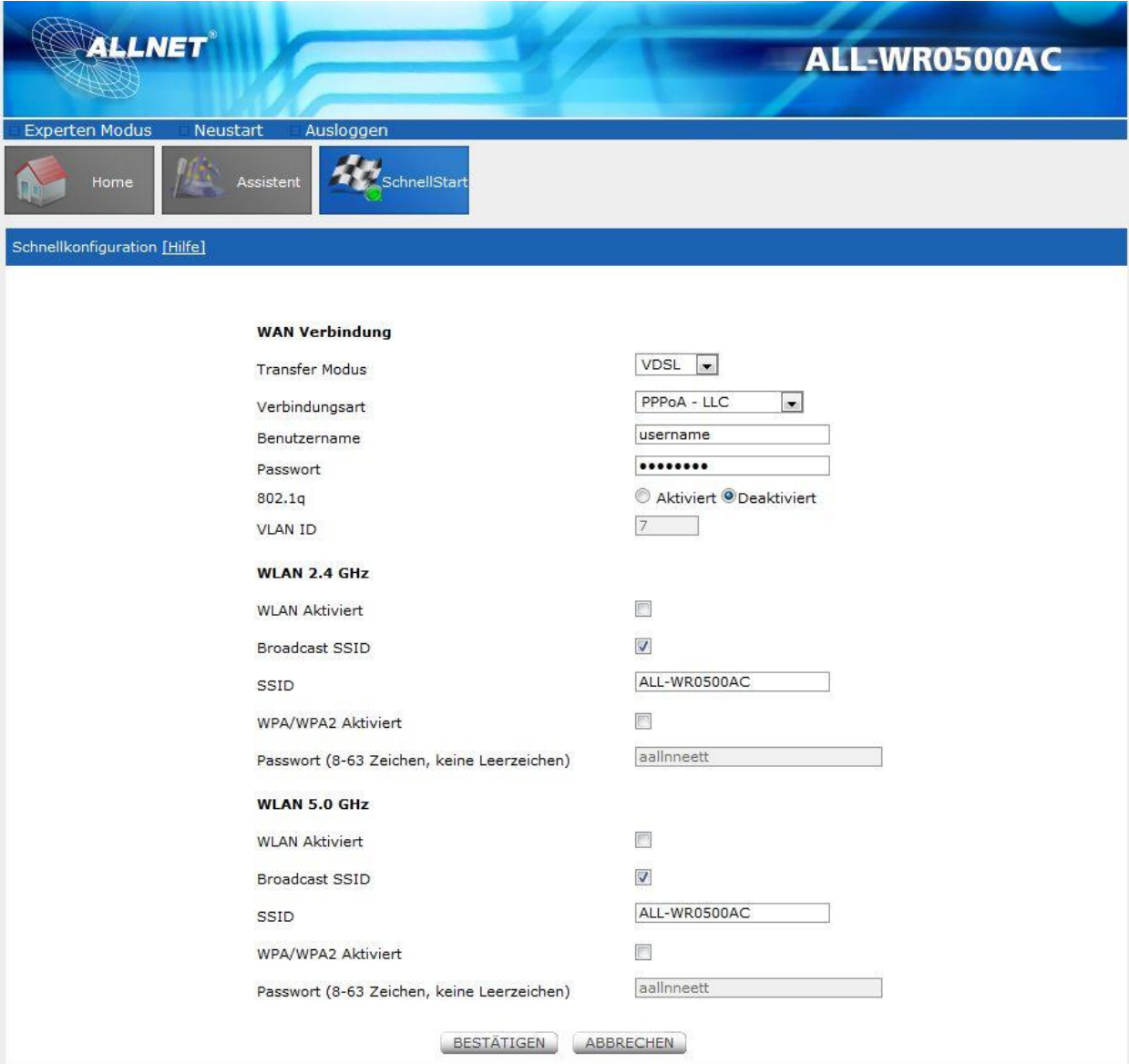
Wizard

The Wizard page of the web user interface is a quick procedural method of setting up your device. Steps such as setting the Language and Time Zone, configuring the connection type, and configuring both the 2.4GHz and 5.0GHz Wireless settings are provided in this area.



Quick Start

The Quick Start page of the web user interface allows users to configure their Language and Time Zone settings, the WAN connection, and the Wireless settings.



The screenshot shows the 'Schnellkonfiguration' (Quick Configuration) page for the ALLNET ALL-WR0500AC router. The page is divided into three main sections: WAN connection, WLAN 2.4 GHz, and WLAN 5.0 GHz. Each section contains various configuration options and input fields.

WAN Verbindung

Transfer Modus	VDSL
Verbindungsart	PPPoA - LLC
Benutzername	username
Passwort	••••••••
802.1q	<input type="radio"/> Aktiviert <input checked="" type="radio"/> Deaktiviert
VLAN ID	7

WLAN 2.4 GHz

WLAN Aktiviert	<input type="checkbox"/>
Broadcast SSID	<input checked="" type="checkbox"/>
SSID	ALL-WR0500AC
WPA/WPA2 Aktiviert	<input type="checkbox"/>
Passwort (8-63 Zeichen, keine Leerzeichen)	aallnneett

WLAN 5.0 GHz

WLAN Aktiviert	<input type="checkbox"/>
Broadcast SSID	<input checked="" type="checkbox"/>
SSID	ALL-WR0500AC
WPA/WPA2 Aktiviert	<input type="checkbox"/>
Passwort (8-63 Zeichen, keine Leerzeichen)	aallnneett

At the bottom of the configuration page, there are two buttons: 'BESTÄTIGEN' (Confirm) and 'ABBRECHEN' (Cancel).

A. **WAN Connection.** This section of the Quicksetup allows you to configure your WAN connection settings to have internet access.

NOTE: Most of the fields in this area require you to refer to the Internet connection details provided to you by your Internet Service Provider (ISP) to complete this area.

B. **Wireless 2.4GHz / 5.0GHz.** Allows you to configure both of your ALL-WR0500AC's 2.4GHz and 5.0GHz Wireless Settings.

- **WLAN Enabled.** Enable or disable the wireless connection of the device. Once the Wireless connection is disabled, you would not be able to connect to your device wirelessly.
- **Broadcast SSID.** Broadcasts or Hides the Wireless SSID. Do take note that upon disabling the SSID broadcast, you would have to manually input the connection details (e.g. SSID, Encryption mode, and Password) before you can connect wirelessly to your router.
- **SSID.** Allows you to change the default wireless network name set on your router. The default SSID can be seen on the sticker underneath your router.
- **WPA/WPA2 Enabled.** Allows you to enable or disable the password of your wireless network. By enabling this encryption, you would be able to change the default wireless password set on your router.
- **Passphrase.** The wireless password of your network. This field can only be accessed if the WPA/WPA2 checkbox is enabled.

Advanced Mode

The Advanced Mode page can be accessed from the Basic page by clicking on the **Advanced Mode** button located at the upper left corner of your screen. Other router features may easily be accessed and configured in this mode.

The Advanced Mode contains the following menus:

- Network
- Wireless
- Application
- System
- VoIP
- Status

The screenshot displays the configuration page for the WAN Transfer Modus on an ALLNET ALL-WR0500AC router. The interface includes a navigation bar with options like 'Standard Modus', 'Neustart', and 'Ausloggen', and a menu with 'Netzwerk', 'WLAN', 'Anwendung', 'System', 'VoIP', and 'Status'. The 'Netzwerk' menu is selected, leading to the 'Internet' configuration page.

WAN Transfer Modus

Transfer Modus : VDSL

Barrier : 0

MULTI SERVICE

Service Num : 0 [Services Summary](#)

Status : Aktiviert Deaktiviert

IPv4/IPv6

IP Version : IPv4 IPv4/IPv6 IPv6

Entkapselung

istP : PPPoE

802.1q

802.1q : Aktiviert Deaktiviert

VLAN ID : 7 (Bereich: 0~4095)

802.1p : 0 (Bereich: 0~7)

PPPoE

Benutzername : username

Passwort :

Bridge Oberfläche : Aktiviert Deaktiviert

Verbindungseinstellungen

Verbindung : Immer an (empfohlen) Manuell verbinden

TCP MSS Option : 0 bytes (0 means use default)

Allgemeine IP Optionen

Standard Route : Ja Nein

IPv4 Optionen

IP Address abholen : Statistisch Dynamisch

Statistische IP Adresse : 0.0.0.0

IP Subnet Maske : 0.0.0.0

Gateway : 0.0.0.0

NAT : Aktiv

Dynamistische Route : RIP1 Richtung Keine

Network

The Advanced Mode – Network page allows you to change the default configuration of the modem. The Advanced Mode - Network page is also the default page of the Advanced Mode.

The Network page contains the following sub menus:

- Internet
- LAN
- DHCP Reservation
- Ethernet Media Type
- xDSL
- SNMP
- TR069
- IPv6RD

The screenshot displays the web interface for the ALLNET ALL-WR0500AC modem. The top navigation bar includes 'Standard Modus', 'Neustart', and 'Ausloggen'. Below this is a menu with icons for 'Netzwerk', 'WLAN', 'Anwendung', 'System', 'VoIP', and 'Status'. A secondary menu lists sub-options: 'Internet', 'LAN', 'DHCP Reservierung', 'Ethernet Media Type', 'xDSL', 'SNMP', 'TR069', and 'IPv6RD'. The main content area is titled 'Netzwerk -> Internet [Hilfe]' and contains the following configuration sections:

- WAN Transfer Modus**: Transfer Modus (VDSL), Barrier (0).
- MULTI SERVICE**: Service Num (0), Status (Aktiviert).
- IPv4/IPv6**: IP Version (IPv4, IPv4/IPv6, IPv6).
- Entkapselung**: istP (PPPoE).
- 802.1q**: 802.1q (Deaktiviert), VLAN ID (7), 802.1p (0).
- PPPoE**: Benutzername (username), Passwort (masked).
- Bridge Oberfläche**: Bridge Oberfläche (Deaktiviert).
- Verbindungseinstellungen**: Verbindung (Immer an (empfohlen)).
- TCP MSS Option**: TCP MSS Option (0 bytes).
- Allgemeine IP Optionen**: Standard Route (Ja).
- IPv4 Optionen**: IP Address abholen (Dynamisch), Statistische IP Adresse (0.0.0.0), IP Subnet Maske (0.0.0.0), Gateway (0.0.0.0).
- NAT**: NAT (Aktiv).
- Dynamische Route**: Dynamische Route (RIP1, Richtung Keine).

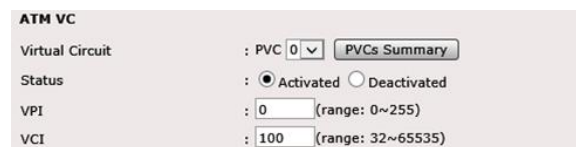
A. **Network.** Allows you to change the WAN Transfer Mode, the ATM VC settings, the IP version implemented in the network and its options, the QoS properties, the encapsulation mode, activate and enter the range of VLANs to be used, enable/disable default route, and enter your account details.

- **WAN Transfer Mode.** Allows you to change the current transfer mode implemented in your network.



WAN Transfer Mode
Transfer Modes : ADSL

- **ATM VC.** Allows you to modify the router's ATM VC Internet connection settings. Please refer to the Internet Connection details given by your ISP before configuring this area. Click Apply for the settings to take effect.




ATM VC
Virtual Circuit : PVC 0 [PVCs Summary](#)
Status : Activated Deactivated
VPI : 0 (range: 0~255)
VCI : 100 (range: 32~65535)

- **QoS.** Allows you to set/configure the Quality of Service parameters of your router. Click Add for the settings to take effect.



QoS
ATM QoS : ubr
PCR : 0 cells/second
SCR : 0 cells/second
MBS : 0 cells

- **IPv4/IPv6.** Allows you to change the current IP version implemented in your network.



IPv4/IPv6
IP Version : IPv4 IPv4/IPv6 IPv6

- **Encapsulation.** Allows you to change the current encapsulation you would be using for your internet connection. You may have to refer

to the internet connection details provided to you by your Internet Service Provider (ISP).

The screenshot shows the 'Encapsulation' section of a configuration panel. It includes the following fields:

- ISP: A dropdown menu set to 'PPPoA/PPPoE'.
- Username: A text input field containing 'a'.
- Password: A text input field with a masked password (dots).
- Encapsulation: A dropdown menu set to 'PPPoE LLC'.
- PPP Authentication: A dropdown menu set to 'AUTO'.
- Bridge Interface: Radio buttons for 'Activated' and 'Deactivated', with 'Deactivated' selected.

- **Connection Setting.** Allows you to set the connection method of your internet connection. This is highly suggested to be set on Always On. You may also configure the TCP MSS Option in this area.

The screenshot shows the 'Connection Setting' panel with the following options:

- Connection: Radio buttons for 'Always On (Recommended)' (selected) and 'Connect Manually'.
- TCP MSS Option: A text input field set to '0' bytes (0 means use default).

- **IP Common Option.** Allows you to enable or disable the default route feature.

The screenshot shows the 'IP Common Options' panel with the following option:

- Default Route: Radio buttons for 'Yes' (selected) and 'No'.

- **IPv4 Options.** Allows you to enable Network Address Translation, specify the dynamic route method to be used, and enable or disable IGMP proxy.

The screenshot shows the 'IPv4 Options' panel with the following options:

- Get IP Address: Radio buttons for 'Static' and 'Dynamic' (selected).
- Static IP Address: Text input field set to '0.0.0.0'.
- IP Subnet Mask: Text input field set to '0.0.0.0'.
- Gateway: Text input field set to '0.0.0.0'.
- NAT: Dropdown menu set to 'Enable'.
- Dynamic Route: Dropdown menu set to 'RIP1' and 'Direction' dropdown set to 'None'.
- TCP MTU Option: Text input field set to '0' bytes (0 means use default:1492).
- IGMP Proxy: Radio buttons for 'Enable' and 'Disabled' (selected).

- **IPv6 Address.** Allows you to configure the DHCP IPv6 Mode used, DHCP PD mode, and the MLD Proxy.

The screenshot shows the 'IPv6 Options' panel with the following options:

- DHCP IPv6 Mode: Radio buttons for 'DHCP' and 'SLAAC' (selected).
- DHCP PD Enable: Radio buttons for 'Enable' and 'Disable' (selected).
- MLD Proxy: Radio buttons for 'Enable' and 'Disable' (selected).

- B. **LAN.** Allows you to change the LAN Properties of your network, such as the Router's local IP, the DHCP properties, the DNS properties, enabling of Radvd and its properties, and the configuration of the DHCPv6 properties. The LAN page also allows you to view the DHCP client list table.

Lokale Router IP

IP Adresse :

IP Subnet Maske :

Alias IP Adresse : (0.0.0.0 bedeutet die Alias IP zu deaktivieren)

Alias IP Subnet Maske :

IgmpSnoop : Aktiviert Deaktiviert

Dynamistische Route : Richtung

DHCP

DHCP : Deaktiviert Aktiviert Relay

IPv6 Adresse

IPv6 global Adresse : /

Radvd

Radvd aktiviert : Deaktiviert Aktiviert

Radvd Modus : Auto Manuell

RA Flags Set : gemanagte Adresse Andere Konfiguration

DHCPv6

DHCP6 Server : Deaktiviert Aktiviert

DHCP6 Modus : Auto Manuell

- **Router Local IP.** Allows you to change the IP properties used by your router. Do take note that by changing the IP address of your ALL-WR0500AC, the default IP address previously entered in the address bar to access the Web User Interface (e.g. 192.168.1.1) would also be changed.

Router Local IP

IP Address : 192.168.1.1

IP Subnet Mask : 255.255.255.0

Alias IP Address : 192.168.2.1 (0.0.0.0 means to close the alias ip)

Alias IP Subnet Mask : 255.255.255.0

IgmpSnoop : Activated Deactivated

Dynamic Route : RIP1 Direction None

- **DHCP.** Allows you to enable/disable/relay the DHCP feature of your router. The range of IP addresses, the pool count it would use, and the physical ports where DHCP would be applied can also be configured in this area.

DHCP

DHCP : Disabled Enabled Relay

Start IP : 192.168.1.2

IP Pool Count : 253

Lease Time : 259200 seconds (0 sets to default value of 259200)

Physical Ports : eth0 eth1 eth2 eth3 ra0 rai0

- **DNS.** Allows you to enable/disable the DNS property of your router, and specify the Primary and Secondary DNS it would use.

DNS

DNS Relay : Automatically Manually

Primary DNS : N/A

Secondary DNS : N/A

- **DHCP Client List.** Displays the number of devices currently connected to your ALL-WR0500AC and each of the connected device's IP Address, MAC Address, and lease expiry time.

DHCP Clients List

#	HostName	IP	MAC Address	Expire Time
1	IrahBenitez	192.168.1.2	78:44:76:AA:F3:72	2days 23:56:27

- **IPv6 Address.** Allows you determine the IPv6 address that would apply to your network, including its subnet.

IPv6 Address

IPv6 Global Address : /

- **Radvd.** Allows you to enable/disable router advertisements in the network including its properties such as its mode and flags set.

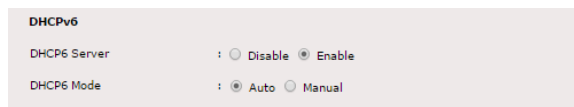
Radvd

Radvd Enable : Disable Enable

Radvd Mode : Auto Manual

RA Flags Set : ManagedAddr off OtherConfig on

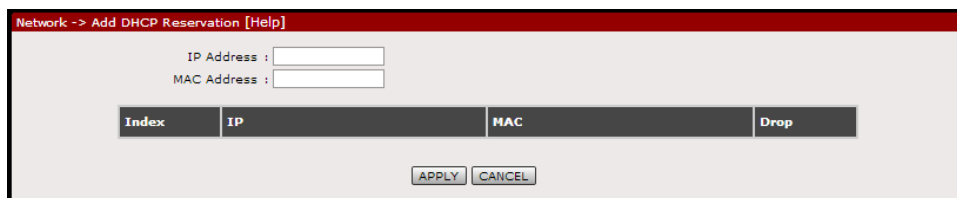
- **DHCPv6.** Allows you to enable/disable the DHCP properties of the IPv6 network, and to configure automatically/manually the IP addresses provided.



DHCPv6 configuration panel showing two settings:

- DHCPv6 Server: Disable Enable
- DHCPv6 Mode: Auto Manual

- C. DHCP Reservation.** Allows you to reserve IP addresses from the IP range provided dynamically by entering the IP address of the device and registering the device's corresponding MAC Address.



Network -> Add DHCP Reservation [Help]

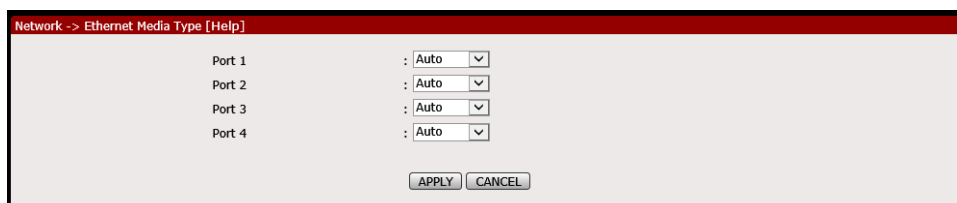
IP Address :

MAC Address :

Index	IP	MAC	Drop
-------	----	-----	------

APPLY CANCEL

- D. Ethernet Media Type.** Allows you to control the bandwidth provided in each Ethernet port of your ALL-WR0500AC.



Network -> Ethernet Media Type [Help]

Port 1 : Auto ▼

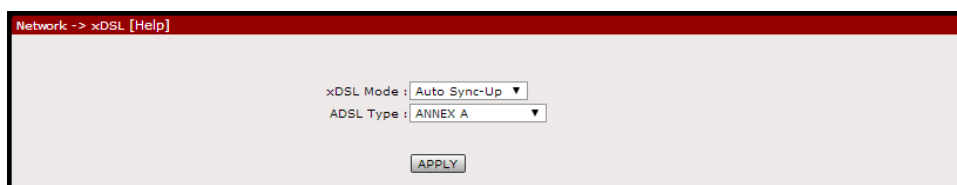
Port 2 : Auto ▼

Port 3 : Auto ▼

Port 4 : Auto ▼

APPLY CANCEL

- E. xDSL Mode.** Allows you to determine the DSL mode and the ADSL type used by your router.



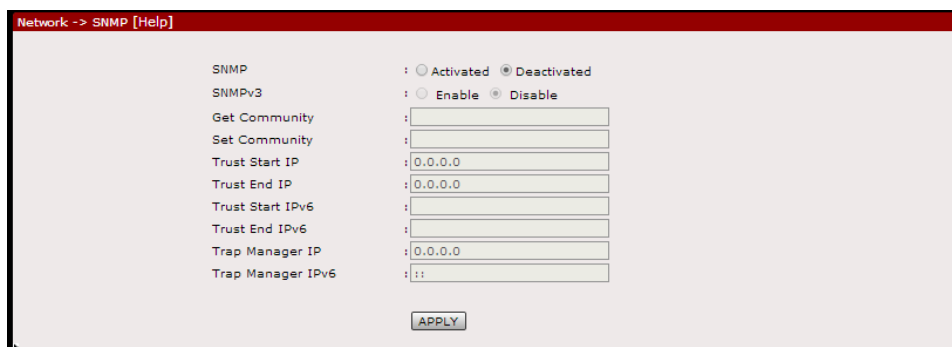
Network -> xDSL [Help]

xDSL Mode : Auto Sync-Up ▼

ADSL Type : ANNEX A ▼

APPLY

- F. SNMP.** Allows you to enable/disable both SNMP/SNMPv3 including the properties of each corresponding protocol.

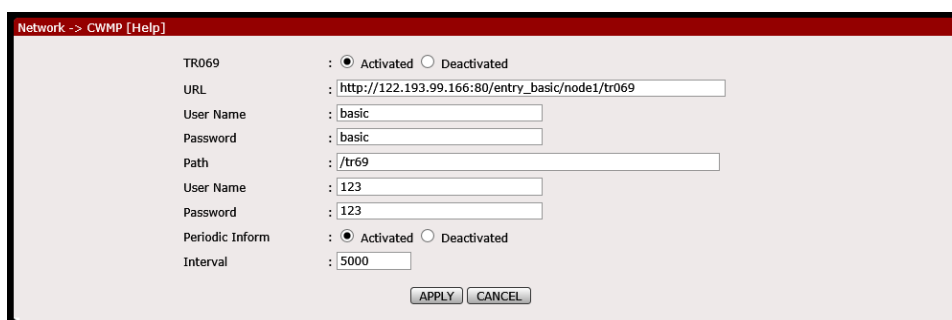


Network -> SNMP [Help]

SNMP	: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated
SNMPv3	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Get Community	: <input type="text"/>
Set Community	: <input type="text"/>
Trust Start IP	: <input type="text" value="0.0.0.0"/>
Trust End IP	: <input type="text" value="0.0.0.0"/>
Trust Start IPv6	: <input type="text"/>
Trust End IPv6	: <input type="text"/>
Trap Manager IP	: <input type="text" value="0.0.0.0"/>
Trap Manager IPv6	: <input type="text" value="::"/>

APPLY

G. CWMP. Allows you to activate/deactivate TR069 and enter the properties needed such as its URL, and the corresponding usernames and passwords.

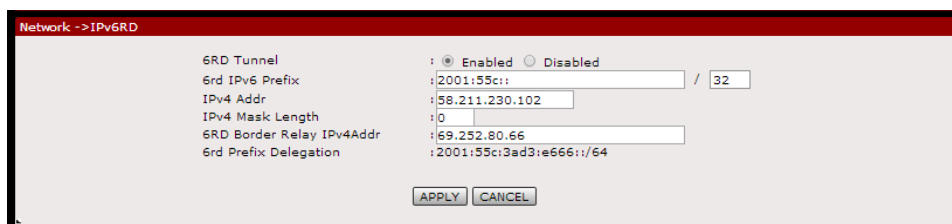


Network -> CWMP [Help]

TR069	: <input checked="" type="radio"/> Activated <input type="radio"/> Deactivated
URL	: <input type="text" value="http://122.193.99.166:80/entry_basic/node1/tr069"/>
User Name	: <input type="text" value="basic"/>
Password	: <input type="text" value="basic"/>
Path	: <input type="text" value="/tr69"/>
User Name	: <input type="text" value="123"/>
Password	: <input type="text" value="123"/>
Periodic Inform	: <input checked="" type="radio"/> Activated <input type="radio"/> Deactivated
Interval	: <input type="text" value="5000"/>

APPLY CANCEL

H. IPv6RD. Allows you to enter the IPv6 prefix and its subnet mask, specify and IPv4 address to be used and its mask length, and indicate a 6RD border relay IPv4 address.



Network -> IPv6RD

6RD Tunnel	: <input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
6rd IPv6 Prefix	: <input type="text" value="2001:55c::"/> / <input type="text" value="32"/>
IPv4 Addr	: <input type="text" value="58.211.230.102"/>
IPv4 Mask Length	: <input type="text" value="0"/>
6RD Border Relay IPv4Addr	: <input type="text" value="69.252.80.66"/>
6rd Prefix Delegation	: <input type="text" value="2001:55c:3ad3:e666::/64"/>

APPLY CANCEL

Wireless

The Advanced – Wireless page allows you to change the default configuration settings of your Wireless LAN connection on the router. The Advanced – Wireless page contains the following sub menus:

- Basic
- Security
- MAC Filter

The screenshot shows the configuration interface for the ALLNET ALL-WR0500AC router. The page is titled "WLAN -> Basic [Hilfe]". The main configuration area is divided into several sections:

- Wireless Band:** Set to 2.4 GHz.
- Access Point einstellungen:**
 - Access Point: Aktiviert Deaktiviert
 - Kanal: GERMANY (dropdown), AUTO (dropdown), Aktueller Kanal: (text input)
 - Beacon Interval: 100 (Bereich: 20~1000)
 - RTS/CTS Threshold: 2347 (Bereich: 1500~2347)
 - Fragmentation Schwellenwert: 2346 (Bereich: 256~2346, Nur gerade Zahlen)
 - DTIM: 1 (Bereich: 1~255)
 - Wireless Modus: 802.11b+g+n (dropdown)
 - Station Nummer: 0 (Bereich: 0~31, 0 bedeutet keine Begrenzung)
- 11n Einstellung:**
 - Kanal Bandbreite: 20/40 MHz (dropdown)
 - Erweiterungs Kanal: Überhalb des Kontroll Kanals (dropdown)
 - Schutzintervall: AUTO (dropdown)
 - MCS: AUTO (dropdown)
 - BSS Coexistence: Aktiviert Deaktiviert
- SSID Einstellung:**
 - SSID index: 1 (dropdown)
 - SSID: ALL-WR0500AC (text input)
 - Broadcast SSID: Ja Nein

At the bottom of the configuration area, there are two buttons: "BESTÄTIGEN" and "ABBRECHEN".

A. Basic. Allows you to change the default Wireless Name (SSID) set on the device, Hide or Broadcast the Wireless Name and change other advanced

wireless configurations of both the 2.4GHz and 5.0GHz frequency bands. Click **Apply** for the settings to take effect.

- **Wireless Band.** Allows you to select the wireless band that you want to configure.
- **Access Point Settings.** Allows you to enable the AP properties of your ALL-WR0500AC, change its channel and beacon interval, specify a range for the RTS/CTS/Fragmentation threshold and DTIM, determine the number of clients that would be able to connect, and change the wireless mode implemented by the router on the wireless network.

Access Point Settings	
Access Point	<input checked="" type="radio"/> Activated <input type="radio"/> Deactivated
Channel	SINGAPORE (range: 11) Current Channel: 11
Beacon Interval	100 (range: 20~1000)
RTS/CTS Threshold	2347 (range: 1500~2347)
Fragmentation Threshold	2346 (range: 256~2346, even numbers only)
DTIM	1 (range: 1~255)
Wireless Mode	802.11b+g+n
Station Number	0 (range: 0~31, 0 means no limit)

- **Mode Settings.** Content varies to the current mode implemented by the router (in this case, since the mode 802.11b+g+n is implemented, 11n Settings is shown).

11n Settings	
Channel Bandwidth	20/40 MHz
Extension Channel	below the control channel
Guard Interval	AUTO
MCS	AUTO
BSS Coexistence	<input checked="" type="radio"/> Enable <input type="radio"/> Disable

- **SSID Settings.** Allows you to define an SSID for each SSID index, and also allows you to enable or disable the SSID broadcast.

SSID Settings	
SSID Index	1
SSID	VDSL5038_8B1C
Broadcast SSID	<input checked="" type="radio"/> Yes <input type="radio"/> No

- B. **Security.** Allows you to change the default Wireless Security of each frequency band set on the router (e.g. its authentication type, passphrase, etc). This page also allows you to enable/disable and change the properties of the WPS feature. Click Apply for the settings to take effect.

The screenshot shows the 'Wireless -> Security [Help]' configuration page. It includes the following settings:

- Wireless Band: 2.4 GHz
- Use WPS: Yes No
- WPS Settings**
 - WPS state: Configured
 - WPS mode: PIN code PBC
 - Buttons: Start WPS, Reset to OOB
 - WPS progress: N/A
 - Authentication Type: OPEN
- WEP**
 - WEP AuthType: Both
 - WEP-64Bits: For each key, please enter either (1) 5 characters, or (2) 10 characters ranging from 0~9, a, b, c, d, e, f.
 - WEP-128Bits: For each key, please enter either (1) 13 characters, or (2) 26 characters ranging from 0~9, a, b, c, d, e, f.
 - Key selection: Key#1, Key#2, Key#3, Key#4
 - Input fields for each key.
 - Buttons: APPLY, CANCEL

- C. **MAC Filter.** Allows you to control which wireless clients to Allow or Deny access to the router by entering the MAC address of the wireless client to the Access control list. Click Apply for the settings to take effect.

The screenshot shows the 'Wireless -> MAC Address Filter [Help]' configuration page. It includes the following settings:

- Wireless Band: 2.4 GHz
- Active: Activated Deactivated
- Action: Allow the follow Wireless LAN station(s) association.
- Mac Address #1 through #8: Input fields for each address.
- Buttons: APPLY, CANCEL

Wireless

The Advanced – Applications page allows you to change/set the router's application features.

The Advanced – Applications page contains the following sub menus:

- DDNS
- ACL
- Filter
- Routing
- NAT
- QoS
- Port Mapping
- Parental
- Firewall



A. **DDNS.** Allows you to set a static host name with a Dynamic IP address.

- B. **ACS.** Allows you to allow/limit applications from accessing the WAN or LAN interfaces.

Application	LAN	WAN
Web	LAN <input checked="" type="checkbox"/>	WAN <input type="checkbox"/>
FTP	LAN <input checked="" type="checkbox"/>	WAN <input type="checkbox"/>
Telnet	LAN <input checked="" type="checkbox"/>	WAN <input type="checkbox"/>
SNMP	LAN <input checked="" type="checkbox"/>	WAN <input type="checkbox"/>
Ping	LAN <input checked="" type="checkbox"/>	WAN <input type="checkbox"/>

- C. **Filter Type.** Allows you to apply various kinds of filtering which would allow or deny the IP address specified, access, depending on the filter rules set. By default, the filter type is set to IP/MAC Filter.

- **IP/MAC Filter.** Allows you to allow/deny access to specific source/destination/MAC addresses and or interfaces specified. It is also allows you to determine your preferred DSCP range and the protocol to be implemented.

Application -> Filter [Help]

Filter Type
Filter Type Selection : IP / MAC Filter ▼

Rule Type
Rule Type Selection : Black List ▼

IP / MAC Filter Rule
IP / MAC Filter Rule Index : 1 ▼
Active : Yes No
Interface : PVC0 ▼
Direction : Both ▼
Rule Type : IP ▼

Source IP Address : 192.168.1.3 (0.0.0.0 means Don't care)
Subnet Mask : 255.255.255.0
Port Number : 80:8080 (0 means Don't care)

Destination IP Address : 104.28.19.11 (0.0.0.0 means Don't care)
Subnet Mask : 255.255.255.0
Port Number : 80:8080 (0 means Don't care)

DSCP : 0 (Value Range:0~64, 64 means Don't care)
Protocol : TCP ▼

IP / MAC Filter Listing

#	Active	Interface	Direction	Src Address/Mask	Dest Address/Mask	MAC Address	Src Port	Dest Port	DSCP	Protocol
1	Yes	PVC0	Both	192.168.1.3/ 255.255.255.0	104.28.19.11/ 255.255.255.0	N/A	80:8080	80:8080	0	TCP

SET DELETE CANCEL

- **Application Filter.** Allows you to activate/deactivate the application filter and allow/deny ICQ, MSN, YMSG, and or Real Audio access in the network.

Application -> Filter [Help]

Filter Type
Filter Type Selection : Application Filter ▼

Application Filter Editing
Application Filter : Activated Deactivated
ICQ : Allow Deny
MSN : Allow Deny
YMSG : Allow Deny
Real Audio/Video : Allow Deny

APPLY CANCEL

- **URL Filter.** Allows you to defined URL indexes which upon activating will allow/deny access to the corresponding URL specified.

Application -> Filter [Help]

Filter Type

Filter Type Selection : URL Filter

URL Filter Editing

Active : Yes No

URL Index : 4

Individual active : Yes No

URL(host) : http://www.mangastream.com

URL Filter Listing

Index	Active	URL
1	Yes	www.mangastream.com
2	Yes	http://mangastream.com/
3	Yes	mangastream.com
4	Yes	http://www.mangastream.com

APPLY DELETE CANCEL

D. **Routing.** Allows you to configure certain routes statically into your system. This will cause overriding of the default gateway or interface that would have been taken for reaching a particular destination host/subnet.

Application -> Routing Table List [Help]

#	Dest IP	Mask	Gateway IP	Metric	Device	Edit	Drop
0	120.28.72.254	255.255.255.255	0.0.0.0	0	ppp0		
1	192.168.2.0	255.255.255.0	0.0.0.0	0	br0		
2	192.168.1.0	255.255.255.0	0.0.0.0	0	br0		
3	127.0.0.0	255.255.0.0	0.0.0.0	0	lo		
4	239.0.0.0	255.0.0.0	0.0.0.0	0	br0		
5	0.0.0.0	0.0.0.0	120.28.72.254	0	ppp0		

ADD ROUTE

E. **NAT.** Allows you to configure the DMZ, Port Forwarding, and Port Triggering in each interface.

Application -> NAT [Help]

Interface : PVC0

NAT Status : Enable

DMZ : DMZ Configuration

Port Forwarding : Port Forwarding Configuration

Port Triggering : Port Triggering Configuration Port Triggering Summary

- **DMZ.** Allows you to set a host between a private local network and a public network. This feature allows outside users from getting direct access to your local network.

Application -> NAT -> DMZ [Help]

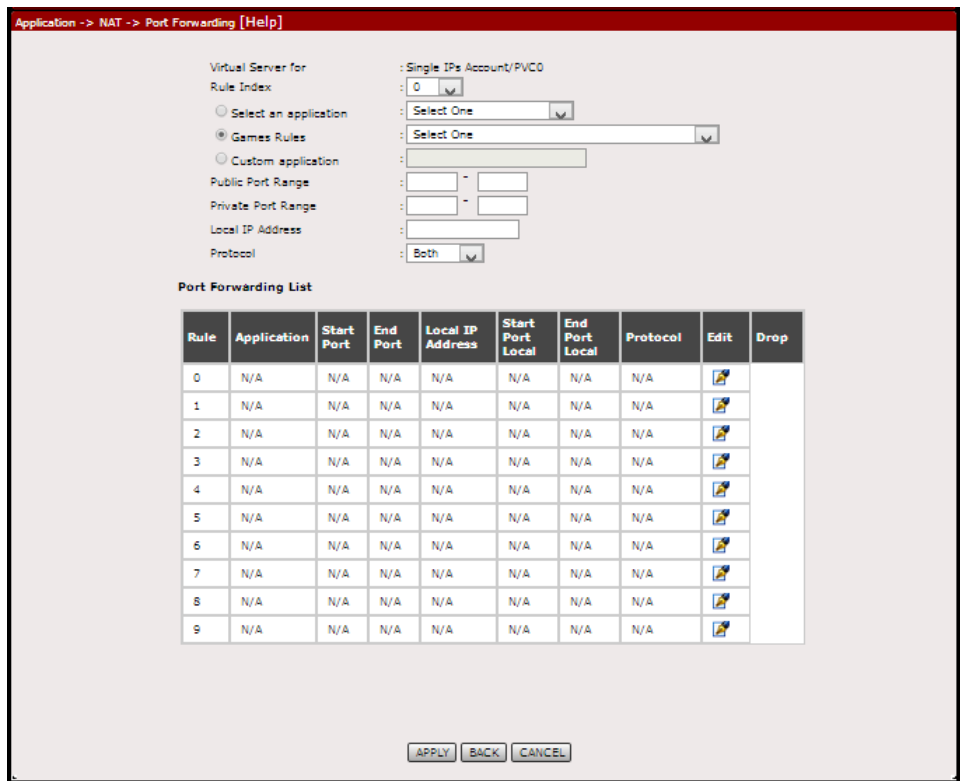
DMZ setting for : Single IPs Account/PVC0

DMZ : Enabled Disabled

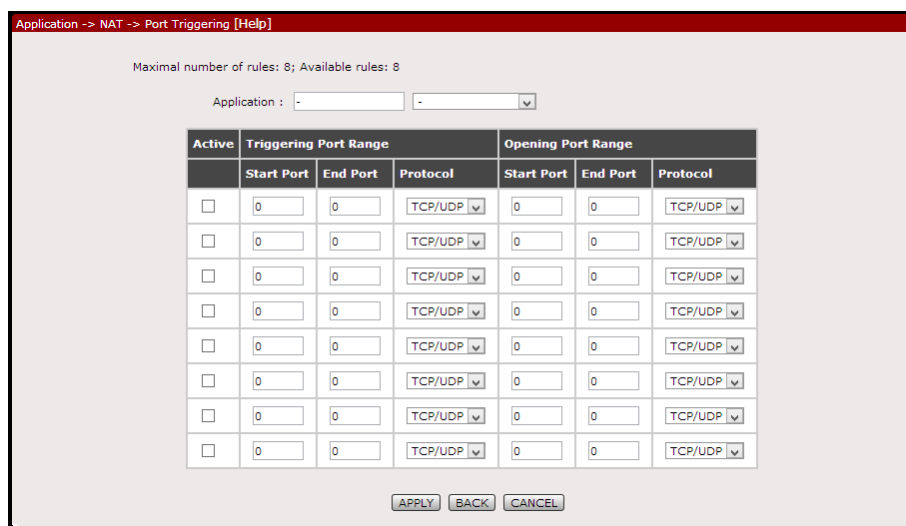
DMZ Host IP Address : 192.168.1.3

APPLY BACK

- **Port Forwarding.** Allows you to set a direct incoming traffic from the Internet to a specific computer in your local network.



- **Port Triggering.** Allows you to configure the router to allow local users to temporarily open ports based on trigger ports.



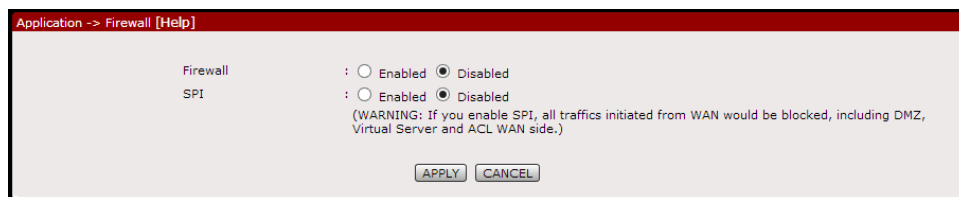
- F. **QoS.** Allows you to set/configure the Quality of Service parameters of your router. Click Add for the settings to take effect.

- G. **Port Mapping.** Allows ATM PVCs to be permanently routed to a physical interface on the device.

- H. **Parental Control.** Allows you to limit (1) MAC Addresses on having internet access on specific times of day/s within a week, and (2) URLs on being accessed on specific times of day/s within a week.



- I. **Firewall.** Allows you to enable or disable Firewall and SPI. By default the said attributes are disabled.



System

The Advanced – System page allows you to view system information, back-up and Restore settings, and do Firmware upgrade on the router.

The Advanced – System menu has the following sub menus:

- Information
- UPnP
- Settings
- Firmware
- Reboot
- Password

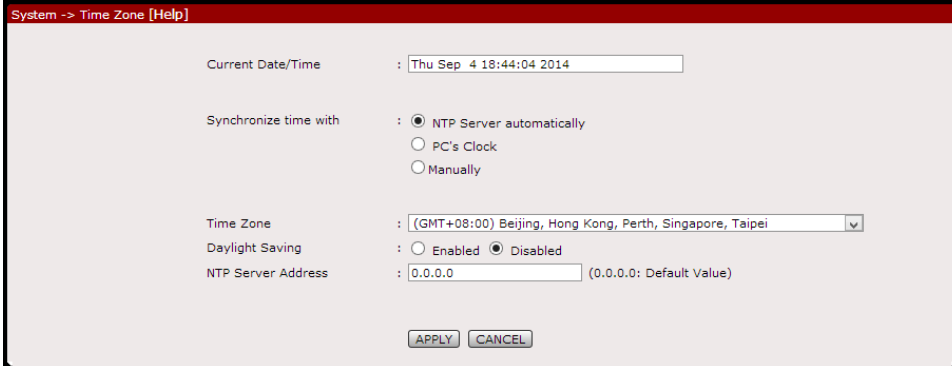
The screenshot shows the ALLNET router web interface. At the top, there is a blue header with the ALLNET logo and the model number ALL-WR0500AC. Below the header, there are navigation tabs: Standard Modus, Neustart, and Ausloggen. A main menu bar contains icons for Netzwerk, WLAN, Anwendung, System (selected), VoIP, and Status. Below this, a sub-menu bar lists Information, Zeitzone, UPnP, Einstellungen, Firmware, and Passwort. The main content area displays the following system information:

Firmware Version	323.23.1-003alpha
Seriennummer	5652142700068
LAN MAC Adresse	00:26:75:dc:8b:50
WLAN MAC Adresse	00:26:75:dc:8b:50
Betriebsdauer	0 Days 6 Hours 31 Mins 49 Secs

A. **Information.** Displays detailed information of the router's Firmware version, LAN/WLAN MAC Address and System Uptime.

System->Information [Hilfe]	
Firmware Version	323.2.1-003
Serial Number	5652142700016
LAN MAC Address	00:26:75:dc:8b:1c
Wireless MAC Address	00:26:75:dc:8b:1c
System Uptime	0 Days 0 Hours 8 Mins 44 Secs

- B. **Time Zone.** Allows you to change or synchronize the current time zone used by your router.



The screenshot shows the 'System -> Time Zone [Help]' page. It contains the following fields and options:

- Current Date/Time: Thu Sep 4 18:44:04 2014
- Synchronize time with: NTP Server automatically, PC's Clock, Manually
- Time Zone: [(GMT+08:00) Beijing, Hong Kong, Perth, Singapore, Taipei]
- Daylight Saving: Enabled, Disabled
- NTP Server Address: 0.0.0.0 (0.0.0.0: Default Value)

Buttons: APPLY, CANCEL

- C. **UPnP.** Allows you to enable/disable UPnP application set on the router.



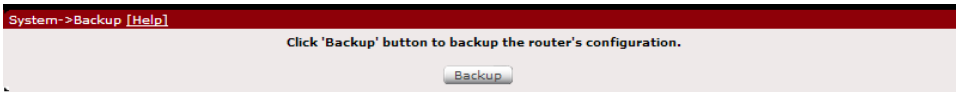
The screenshot shows the 'System -> Universal Plug & Play [Help]' page. It contains the following options:

- UPNP: Activated, Deactivated
- Auto-configured: Activated, Deactivated (by UPnP-enabled Application)

Button: APPLY

- D. **Settings.** This section allows you to Save, Restore, and Factory default reset your router's configuration.

- **Back-up.** Click Backup button to save romfile.cfg on your computer, this will serve as your router's back-up configuration file.

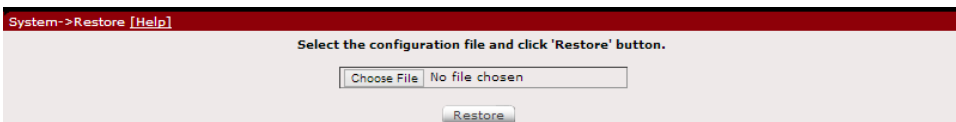


The screenshot shows the 'System->Backup [Help]' page. It contains the following text and button:

Click 'Backup' button to backup the router's configuration.

Button: Backup

- **Restore.** Click Browse to select romfile.cfg that was saved on your computer to restore your router to the last saved configuration then click Restore for the settings to take effect.



The screenshot shows the 'System->Restore [Help]' page. It contains the following text and button:

Select the configuration file and click 'Restore' button.

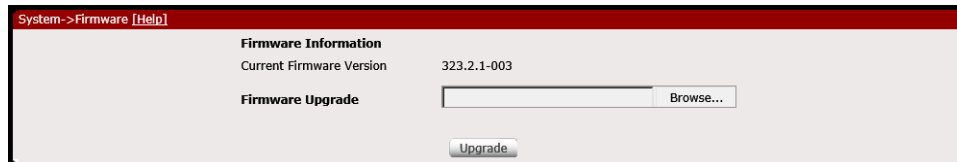
Choose File: No file chosen

Button: Restore

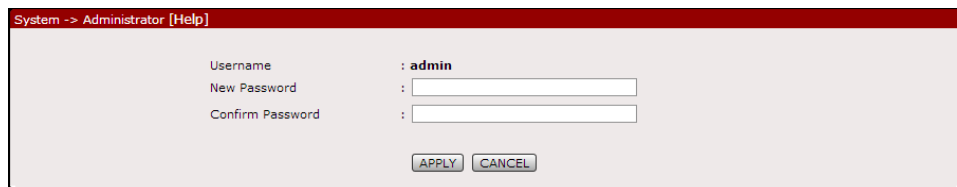
- **Factory Default.** Allows you to Restore the router's factory default. Click Reset for the settings to take effect.



- E. **Firmware.** Allows you to change the firmware saved on the router.



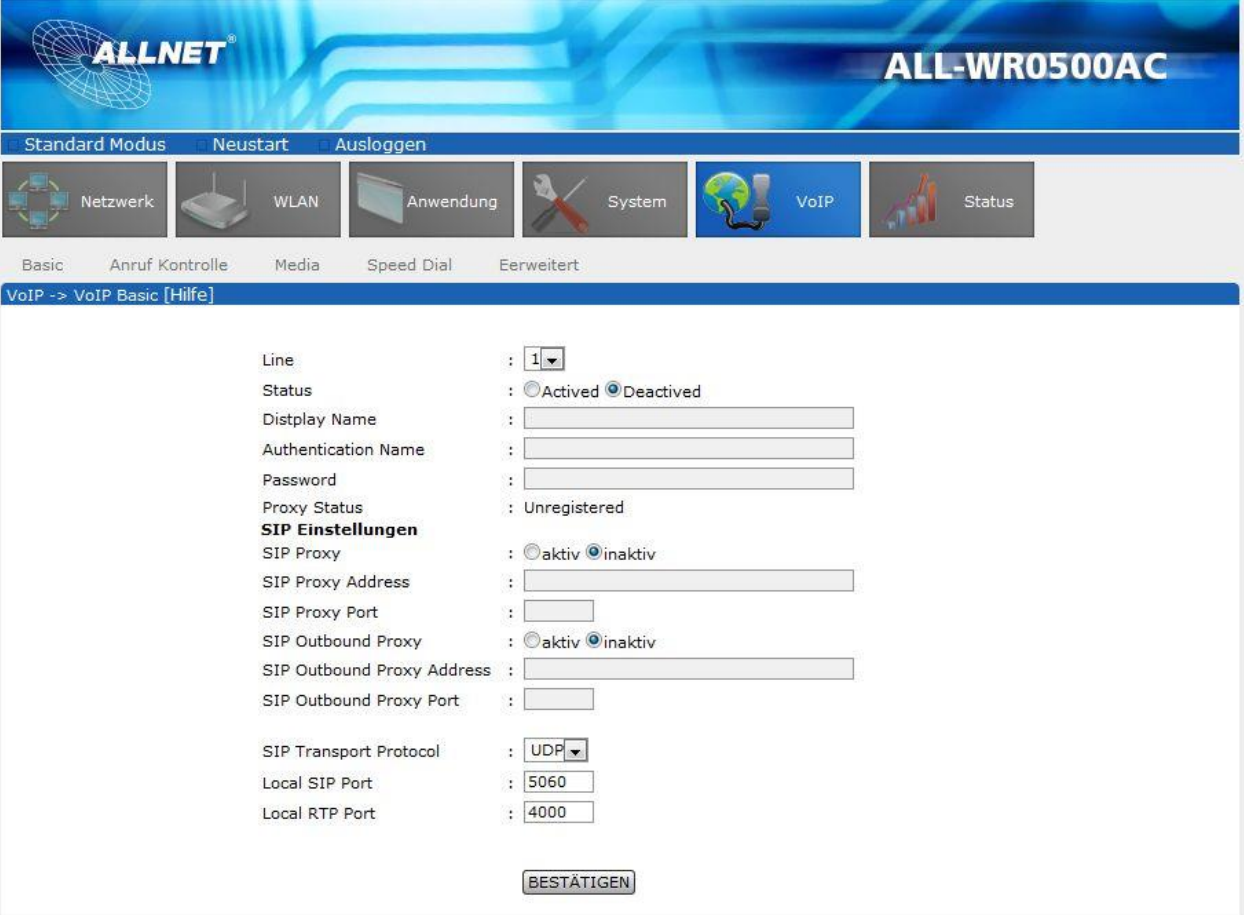
- F. **Password.** Allows you to change the password set on the router to access the Web User Interface.



VoIP

The Advance – Status page displays various router connection statistics for ADSL, LAN, and WLAN. This page also has the following sub menus:

- Basic
- Call Control
- Media
- Speed Dial
- Advanced

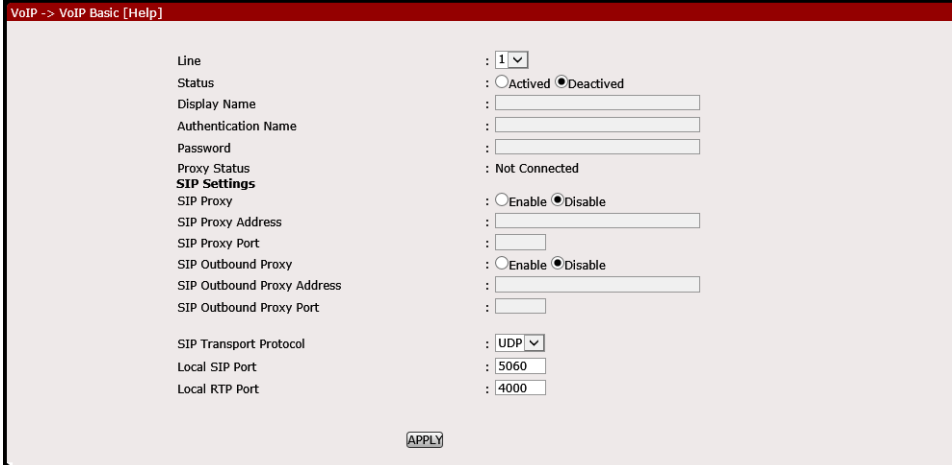


The screenshot shows the web interface of the ALLNET ALL-WR0500AC router. The top navigation bar includes 'Standard Modus', 'Neustart', and 'Ausloggen'. Below this is a menu with icons for 'Netzwerk', 'WLAN', 'Anwendung', 'System', 'VoIP', and 'Status'. The 'VoIP' menu is selected, and the sub-menu 'Basic' is active. The main content area is titled 'VoIP -> VoIP Basic [Hilfe]' and contains the following configuration fields:

Line	:	1
Status	:	<input type="radio"/> Activated <input checked="" type="radio"/> Deactivated
Display Name	:	<input type="text"/>
Authentication Name	:	<input type="text"/>
Password	:	<input type="text"/>
Proxy Status	:	Unregistered
SIP Einstellungen		
SIP Proxy	:	<input type="radio"/> aktiv <input checked="" type="radio"/> inaktiv
SIP Proxy Address	:	<input type="text"/>
SIP Proxy Port	:	<input type="text"/>
SIP Outbound Proxy	:	<input type="radio"/> aktiv <input checked="" type="radio"/> inaktiv
SIP Outbound Proxy Address	:	<input type="text"/>
SIP Outbound Proxy Port	:	<input type="text"/>
SIP Transport Protocol	:	UDP
Local SIP Port	:	5060
Local RTP Port	:	4000

At the bottom of the configuration area is a button labeled 'BESTÄTIGEN'.

- A. **Basic.** Allows you to configure the basic settings of each SIP Line such as the line status, its password, display and authentication name, and other SIP settings.



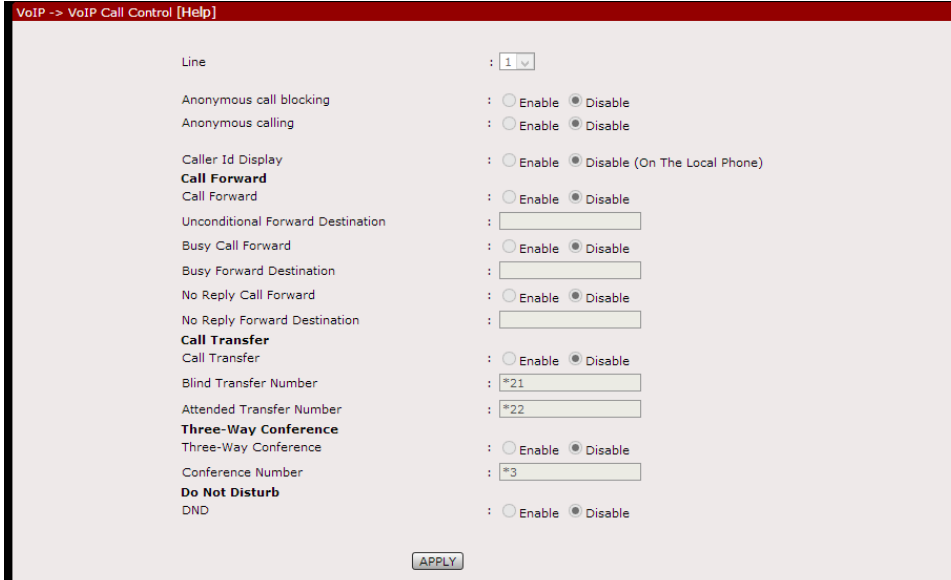
The screenshot shows the 'VoIP Basic' configuration page. The title bar reads 'VoIP -> VoIP Basic [Help]'. The page contains the following settings:

Line	: 1
Status	: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated
Display Name	: <input type="text"/>
Authentication Name	: <input type="text"/>
Password	: <input type="text"/>
Proxy Status	: Not Connected
SIP Settings	
SIP Proxy	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
SIP Proxy Address	: <input type="text"/>
SIP Proxy Port	: <input type="text"/>
SIP Outbound Proxy	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
SIP Outbound Proxy Address	: <input type="text"/>
SIP Outbound Proxy Port	: <input type="text"/>
SIP Transport Protocol	: UDP
Local SIP Port	: 5060
Local RTP Port	: 4000

An 'APPLY' button is located at the bottom center of the form.

- B. **Call Control.** Allows you to enable or disable call related functions and features of each SIP Line such as call forwarding, call transferring, DND mode, and three way conferencing.

NOTE: You have to activate the status of the VoIP SIP line first before you can configure its settings. This can be done on the VoIP Basic menu.



The screenshot shows the 'VoIP Call Control' configuration page. The title bar reads 'VoIP -> VoIP Call Control [Help]'. The page contains the following settings:

Line	: 1
Anonymous call blocking	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Anonymous calling	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Caller Id Display	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable (On The Local Phone)
Call Forward	
Call Forward	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Unconditional Forward Destination	: <input type="text"/>
Busy Call Forward	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Busy Forward Destination	: <input type="text"/>
No Reply Call Forward	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
No Reply Forward Destination	: <input type="text"/>
Call Transfer	
Call Transfer	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Blind Transfer Number	: *21
Attended Transfer Number	: *22
Three-Way Conference	
Three-Way Conference	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Conference Number	: *3
Do Not Disturb	
DND	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable

An 'APPLY' button is located at the bottom center of the form.

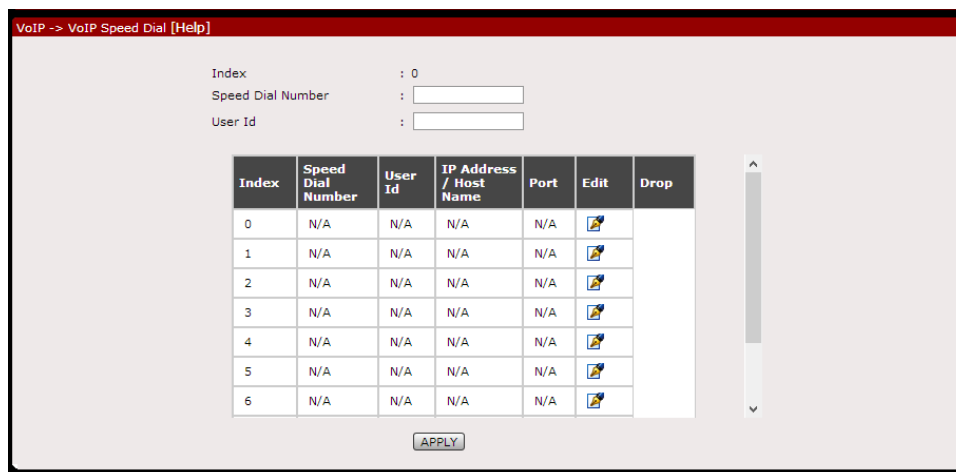
C. **VoIP Media.** Allows you to change the audio codec applied to each SIP line, and change the packet interval time set in each codec.

NOTE: You have to activate the status of the VoIP SIP line first before you can configure its settings. This can be done on the VoIP Basic menu.

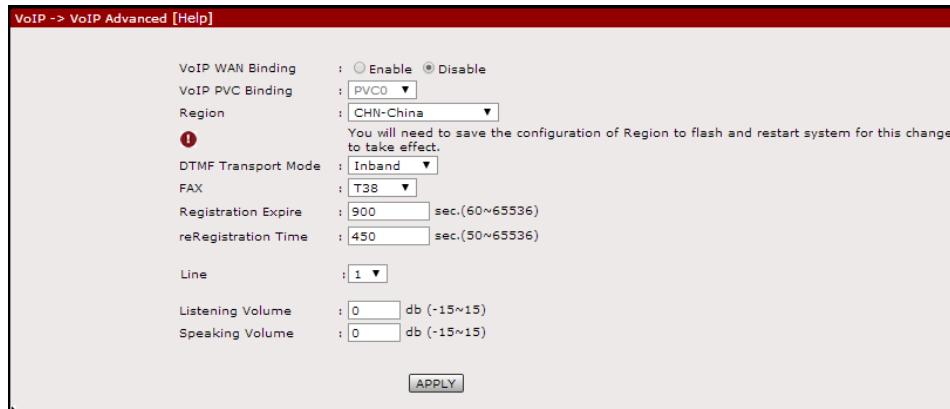


D. **Speed Dial.** Allows you to configure and register speed dial indexes and each index's corresponding number for future use.

NOTE: You have to activate the status of the VoIP SIP line first before you can configure its settings. This can be done on the VoIP Basic menu.



- E. **Advanced.** Allows you to enable WAN binding, adjust call volumes for both listening and speaking, define registration and reregistration expiration times, and change other advanced features of each SIP line.



The screenshot shows a configuration window titled "VoIP -> VoIP Advanced [Help]". The window contains the following settings:

- VoIP WAN Binding: Enable Disable
- VoIP PVC Binding:
- Region: (Note: You will need to save the configuration of Region to flash and restart system for this change to take effect.)
- DTMF Transport Mode:
- FAX:
- Registration Expire: sec.(60~65536)
- reRegistration Time: sec.(50~65536)
- Line:
- Listening Volume: db (-15~15)
- Speaking Volume: db (-15~15)

An "APPLY" button is located at the bottom center of the window.

Status

The Status page displays various router connection statistics for xDSL, LAN, and WLAN. This page also has the following sub menus:

- Statistics
- xDSL Status
- System Log
- Diagnostics
- Network Tools

LAN Statistiken [Hilfe]

Oberfläche	Packets	Bytes	TX			Packets		RX		Under-size Frames
			Multicast Frames	Collistion	FehlerFrames		Bytes	Multicast Frames	CRC Fehler	
LAN	105635	27890318	65971	0	0	50238	9352827	21884	0	0

xDSL Statistiken [Hilfe]

Oberfläche	Packets	Bytes	TX		Packets		RX		Blocks
			Fehler	Blocks		Bytes	Fehler	Blocks	
xDSL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

WLAN Statistiken [Hilfe]

Oberfläche	TX		Packets		RX	
	Packets	Dropped			CRC Fehler	Dropped
WLAN 2.4 GHz	N/A	N/A	N/A	N/A	N/A	N/A
WLAN 5.0 GHz	N/A	N/A	N/A	N/A	N/A	N/A

A. **Statistics.** Provides statistical information of LAN, ADSL and WLAN interface.

LAN Statistics [Help]										
Interface	Packets	Bytes	TX					RX		
			Multicast Frames	Collision	Error Frames	Packets	Bytes	Multicast Frames	CRC Errors	Under-size Frames
LAN	14985	9595070	2057	0	0	10563	1125813	680	0	0

xDSL Statistics [Help]										
Interface	Packets	Bytes	TX					RX		
			Errors	Blocks		Packets	Bytes	Errors	Blocks	
xDSL	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	

WLAN Statistics [Help]							
Interface	TX				RX		
	Packets	Dropped	Packets	CRC Errors	Dropped		
Wireless 2.4 GHz	N/A	N/A	N/A	N/A	N/A		
Wireless 5.0 GHz	708	0	3007	52	52		

B. **xDSL Status.** Displays detailed information of the xDSL quality.

Status -> xDSL Status [Help]			
xDSL Description	Status		
xDSL Status	Not Connected		
xDSL Mode	N/A		
Cell Delin	N/A		
Link Retrain	N/A		
Init Errors	N/A		
Init Timeouts	N/A		
Loss Of Framing	N/A		
Errorred Seconds	N/A		
Severely Error Seconds	N/A		
HEC Error	N/A		
Information	DownStream	Upstream	
SNR Margin	N/A	N/A	
Attenuation	N/A	N/A	
Data Rate	N/A	N/A	
Forward Error Correction Seconds	N/A	N/A	
CRC	N/A	N/A	

C. **System Log.** Displays the router's system log.

Status -> System Log Configuration [Help]	
Log	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Log Level	: Emergency
Display Level	: Emergency
Remote Log	: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
Server IP Address	: 0.0.0.0
Server UDP Port	: 514
<input type="button" value="APPLY"/> <input type="button" value="Viewlog"/>	

D. **Diagnostics.** Display the test results for the connectivity of the physical layer and protocol for xDSL, ATM, WLAN/LAN port and L0041N connection, click Start test to start the test.

Status -> Diagnostic Tools -> xDSL Status [Help]		Status -> Diagnostic Tools -> Local Network Status [Help]	
Interface	Status	Interface	Status
xDSL Synchronization	-	WIRELESS	-
Ping to DHCP Primary or Secondary DNS	-	WIRELESS(5G)	-
		LAN Port - 1	-
		LAN Port - 2	-
		LAN Port - 3	-
		LAN Port - 4	-

Status -> Diagnostic Tools -> ATM Connectivity [Help]		Status -> Diagnostic Tools -> LAN Connectivity Status [Help]	
ATM Connectivity	Status	LAN Connectivity	Status
Ping to ATM OAM Segment	-	LAN Connection	-
Ping to ATM OAM end to end	-	Ping to DHCP Primary DNS	-

E. Network Tools. Allows you to test the router's Internet connectivity.

Status -> Network Tools [Help]	
Process Selection	Ping <input type="button" value="v"/>
Ping Count	<input type="text"/> counts
IP address/URL	<input type="text"/>
<input type="button" value="Apply"/>	

Router Care Tips

1. Do not deface the router.
2. Do not use any power adapters with the router other than the supplied adapter as it may damage the device rendering it unusable.
3. Do not let the router get wet, when water gets in contact with the router, the internal components can corrode which breaks down the router.
4. Install the router on a flat surface and ensure that there is enough space for air to circulate.
5. Avoid dropping the router, depending on the surface where it lands, the router can get cracked casing or internal components may get dislodged affecting its functionality.
6. Clean the router's casing with a soft damp cloth and remove dust that may cover the router casing's ventilation regularly.
7. Turn off the router and disconnect the power adapter from the power outlet if it will be unattended for a long time.

Safety Precautions

- Do not open, service, or change any component.
- Only qualified technical specialists are allowed to service the equipment.
- Observe safety precautions to avoid electric shock
- Check voltage before connecting to the power supply. Connecting to the wrong voltage will damage the equipment.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference and
- This device must accept any interference received, including interference that may cause undesired operation.

CAUTION!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Safety Warnings

For your safety, be sure to read and follow all warning notices and instructions.

- Do not open the device. Opening or removing the device cover can expose you to dangerous high voltage points or other risks. Only qualified service personnel can service the device. Please contact your vendor for further information.
- Do not use your device during a thunderstorm. There may be a risk of electric shock brought about by lightning.
- Do not expose your device to dust or corrosive liquids.
- Do not use this product near water sources.
- Make sure to connect the cables to the correct ports.
- Do not obstruct the ventilation slots on the device.



CE-Declaration of Conformity

For the following equipment:

Germering, 5th of May 2015

ADSL2+/VDSL Router

ALL-WR0500AC



The safety advice in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The ALLNET ALL-WR0500AC conforms to the Council EMC Directives of 2004/108/EC.

This equipment meets the following conformance standards:

EN 55024:2010

EN 301 489-1 V1.9.2 (2011-09)

EN 301 489-17 V2.2.1 (2012-09)

EN 61000-3-2: 2014 Class A

EN 61000-3-3: 2013

IEC 61000-4-2: 2008 / EN 61000-4-2 :2009

IEC 61000-4-3: 2006+A1: 2007+A2: 2010 /

EN 61000-4-3 : 2006+A1: 2008+A2: 2010

IEC 61000-4-4: 2012 / EN 61000-4-4 : 2012

IEC 61000-4-5: 2014 / EN 61000-4-5 : 2006

IEC 61000-4-6: 2013 / EN 61000-4-6 : 2014

IEC 61000-4-11: 2004 / EN 61000-4-11 : 2004

This equipment is intended to be operated in all countries.

This declaration is made by
ALLNET Computersysteme GmbH
Maistraße 2
82110 Germering
Germany

Germering, 05.05.2015


Wolfgang Marcus Bauer
CEO

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ALLNET GmbH Computersysteme
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