

Dynalink RTA 1046VW Configuring in Layer2 PPPoE for Windows XP and 2000



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Please note: Please have your router powered on and connected directly to your PC via Ethernet cable before you begin as these instruction are based on Ethernet

1. Physical Connection

Front Panel



Back Panel



1. Power Supply

2. RJ45 Ethernet cable to the PC

- 3. PSTN Telephone handset connected to Phone1 port operating on VoIP (RJ11 connection)
 - 4. RJ11 cable connecting PSTN port to Phone port on micro filter
 - 5. RJ11 cable connecting DSL port to Modem port on micro filter
 - 6. Line port of micro filter connecting to wall socket

2. Network Configuration

PPPoE connection does not require you to have an IP address or DNS settings manually encoded on your network card. PPPoE connection uses authentication to establish the Internet connection and its after doing this that your router is assigned an IP and DNS settings from TPG.

To begin, your PC needs to receive a private IP address from the router. Most ADSL routers have DHCP enabled by default that will take care of this.

To ensure your Network Card is ready for this, please follow the following steps:

- a. Click on Start -> Settings ->Control Panel -> Network Connections
- b. Find your Network Card then right click on this and select **Properties**



c. Double click on Internet Protocol TCP/IP



- d. Ensure "Obtain an IP address automatically" is selected
- e. Ensure "Obtain DNS server address automatically" is selected

f. Click on **OK**

iternet Protocol (TCP/IP) Prop General	perties ?
You can get IP settings assigned this capability. Otherwise, you nee the appropriate IP settings.	automatically if your network supports ad to ask your network administrator for
Obtain an IP address autom	natically
C Use the following IP addres	s:
IP address:	· · · · ·
Subnet mask:	· · · ·
Default gateway:	
Obtain DNS server address	automatically
Use the following DNS serv	er addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced
	OK Cancel

3. Configure In Layer 2 PPPoE

- a. Open your browser and in the address bar type http://192.168.1.1 and press enter
- b. Enter **admin** for both the username and password and click on **OK**. If you have changed the login credential, please enter the current username and password for your router interface

Connect to 19	2.168.1.1		2
A		A	
Dynalink Wireless	; IAD		
User name:	🖸 admin		*
Password:	•••••		
	Remember	my password	
			ncel

c. In the "Broadband User Name" field enter:

<TPGusername>@L2TP.tpg.com.au for Fixed IP plans OR <TPGusername>@PPP.tpg.com.au for Dynamic IP plans (e.g. adsl1234@L2TP.tpg.com.au)

ADSL2+ customers can just use their TPG Username without the extension (@PPP.tpg.com.au or @L2TP.tpg.com.au)

🚰 Dynalink Wireless IAD - Mic	rosoft Internet Explorer
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Address 🖉 http://192.168.1.1/	
🕴 Links 🕘 Customize Links 🛛 🙆 CSW	eb 🥘 IAS 🕘 CSWEB ADSL
Dynalink Quick St	art Status Advanced Wireless Voice Management
	Language: English 💙
Connect to Internet Quick Setup	Connect to Internet Your ADSL router is ready to connect to Broadband. Enter your Broadband user name and password, then click "Connect". Internet Connection: pppoe_8_35_1 Total Online Time: 0 secs Broadband User Name <tpg username=""> Password <password></password></tpg>

- d. In the "Password" filed enter your TPG Password Click on **Connect**
- e. You should now get a confirmation that your router has authenticated/connected

Dynalink Wireless IAD - Microsoft Internet Explorer	
File Edit View Favorites Tools Help	41,582 A. A
🔇 Back 🔹 🔘 - 🖹 🗟 🏠 🔎 Search 👷	Favorites 🚱 😥 📓 🚽 🛄
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Connect to Internet Quick Start Status Adv Connect to Internet Quick Setup	anced : Wireless : Voice : Management Language: English mnected to Broadband and you can now surf the Internet.
Current Connection St	atus:
Online Time	4 secs
Data Transmitted	3984 bytes
Data Received	4320 bytes
More details can be for Disconnect This v	und in the <u>Status</u> menu. ing "Disconnect" will close down your Broadband connection. will affect all computers currently connected.

4. Configuring VoIP

a. If you are still logged into your router interface, click on the **Voice** Menu at the top. If you are not logged in anymore use your browser to go to 192.168.1.1 and login with **admin** as the username and password (by default)

	-				Language: Englis
SIP Basic SIP Extension Audio Codec PSTN Control	Phone 1: Phone 2:	PSTN mode (The registration i now.) PSTN mode (The registration i nov.)	s failed. You can not r s failed. You can not r	nake VOIP phone ci nake VOIP phone ci	alls through this por alls through this por
Call Log	Interface	6	pppoe_8_35_1 💌	ĺ.	
	SIP Trans	port Protocol:		Po	ort: 5060
	VoIP Ser	vice Provider:	Others 💌		
	SIP Regis	trar Address:		Po	ort: 5060
	SIP Outbo	ound Proxy:		Po	ort: 5060
	SIP Proxy	Server Address:		Po	ort: 5060
Providence: 3,200	Registrat	ion Information			
ADSL2+: A2pB021g.d19b Wireless: 3.91.41.0	Phone	Phone Number	Caller Name	User Name	Password
	1 <		> <	\bigcirc	\sim
	2				

- b. In the **SIP Basic** section enter the following information:
 - i. SIP Registration Address = aphone4.tpg.com.au
 - ii. SIP Outbound Proxy = aphone4.tpg.com.au
 - iii. SIP Proxy Server Address = aphone4.tpg.com.au

(Please note: For the above 3 fields, some customers may need to use aphone3.tpg.com.au. If in doubt please contact TPG Technical Support)

- iv. Under Phone 1, enter the following information
 - Phone Number = Your TPG Username (without PPP or L2TP extension)
 - Username = Your TPG Username (without PPP or L2TP extension)
 - Password = Your current TPG password
- v. Click on **Apply**

Please note: By entering details in the 'Phone 1' row, you are setting up VoIP for the phone port at the back of your router labelled "Phone 1" and so you must have your telephone handset connected to this port to use VoIP. If you have a telephone handset connected at Phone 2, this would be working on regular PSTN and not VoIP

c. You should now see a confirmation of the VoIP connection under 'SIP Basic Settings'

SIP Basic Settings

 Phone 1:
 VOIP mode

 (You can make VOIP phone calls through this port now.)

 Phone 2:
 PSTN mode

 (The registration is failed. You can not make VOIP phone calls through this port now.)

5. Configuring Wireless (optional)

Things you need to know before you begin:

- By default the RTA1046VW does not have wireless security setup. We recommend that you follow the steps below to set this us before you use wireless

- To use wireless be sure that you already have set up your wireless adapter.

- To begin your wireless setup, you can connect your computer to your router via Ethernet cable.

- a. If you are still logged into your router, click on "Wireless" in the top menu. If you are not logged in anymore use your browser to go to 192.168.1.1 and login with **admin** as the username and password (by default)
- b. In the Basic settings, please check that you have the below settings. Please take note of your SSID (wireless network name)

D Dynalink Qu	ick Start Status Advanced	Wireless Voice Management
		Language: English 💌
Basic Settings	Wireless Basic Settings	
Security	This page allows you to configure	basic features of wireless LAN interface. You can enable
Access Control	network name (also known as SS	SID) and select the working channel. Click "Apply" to
Repeater	configure the wireless basic optic	ins. and a set of the
	🗹 Enable Wireless Network	
	🔲 Hide Wireless Network (Hidde	en SSID)
	Wireless Network Name (SSID):	RTA1046VW-37F4CB
	Channel:	11 💌
	Transmission Mode:	mixed mode 💌
	Transmission Rate:	Auto 💌
	Multicast Rate:	Auto
Firmware: 3.30i ADSL2+: A2pB021a.d19h	Turbo Mode:	Oisabled O Enabled
Wireless: 3.91.41.0	Wireless User Isolation:	Off 💌
	(Apply) Cancel	

- c. Click on **Apply**
- d. Click on the Security menu on the left

e. In the 'Wireless Security' drop down menu, select "64-bit WEP" Click on Apply

	~		Language: English 💙
Basic Settings Security Access Control Repeater	Wireless Security This page allows you WPA2 wireless secur support the same typ 802.1x.	to protect your wireless netw ity. Before setting up security, be of security. Most support WI	ork by specifying WEP, 802.1x, WPA, or ensure that your wireless adaptors EP, but not all support WPA, WPA2, or
	Wireless Security: Apply Cancel	Disabled Disabled B4-bitWEP of T28-bitWEP e802.1x of WPA WPA-PSK WPA-PSK WPA2 WPA2-PSK Mixed WPA2-PSK/WPA-PSK	You will lose the You should now set-up order to re-establish the
Firmware: 3.30i ADSL2+: A2pB021g.d19b Wireless: 3.91.41.0			

f. Select the "Hexadecimal digits" radial button

Dynalink Quick	🔍 🞑 🤞 k Start Status Adva	nced Wireless Voice Management
		Language: English 🗸
Basic Settings Security Access Control	This page allows you to WPA2 wireless security support the same type 802.1%.	protect your wireless network by specifying WEP, 802.1x, WPA, or Before setting up security, ensure that your wireless adaptors of security. Most support WEP, but not all support WPA, WPA2, or
Repeater	Wireless Security:	64-bitWEP
	Authentication Type	Open System
	Encryption Keys	
	Enter 5 ASCII characte	rs or 10 hexadecimal digits for 64-bit encryption keys.
	Format:	• Hexadecimal digits (0-9, A-F, and a-f are valid)
		○ASCII characters (any printable characters are valid except: & < § , \)
	Key1: 🤇	
	Key2:	
Firmware: 3.30i ADSL2+: A2pB021g.d19b	КеуЗ:	
Wireless: 3.91.41.0	Кеу4:	
	Default Transmission K	ey: 1 👻
		20 IV
	(Apply) Cancel Afte	r enabling security and clicking Apply, you will lose the nection with your wireless router. You should now set-up

g. In the 'Key 1' field enter a 10-character key of your choice consisting of only numbers 0-9 and letters A-F (lower case is ok). This key will be used when any computer wants to connect to your router. Please remember this key

- h. Click on Apply
- i. To connect using wireless, go to Start -> Control Panel



j. Double click on 'Network Connections'



k. Right click on your wireless adapter and go to 'View Available Wireless Networks'



I. Find the SSID (network name) of your router and click on **Connect**. By default the SSID should start with RTA1046VW



- m. You will now be prompted to enter your WEP Key.
- n. After click on Connect
- o. You should now see your status as 'Connected'

6. IPTV

Your router is already IPTV ready, there is no need for further configuration. To use IPTV you must first be registered. Please refer to www.tpg.com.au/iptv for further details

7. Change of Password

For security purposes we highly recommend that you change your password if you are using your default or if you believe your password security has been compromised.

To change your password, first please visit

<u>https://cyberstore.tpg.com.au/your_account/changepass.html</u>. Your new password will take approximately 10-15 minutes to take effect, after which you must reconfigure your new password in your router.

To change your password in your router, please follow the following steps:

- a. Open your browser and in the address bar type http://192.168.1.1 and press enter
- b. Enter **admin** for both the username and password and click on **OK**. If you have changed the login credential, please enter the current username and password for your router interface
- c. In the Password field, enter your new TPG password

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Links 🍯 Customize Links 🖉 CSWEB	B 🕘 IAS 🍓 CSWEB ADSL
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	Language: English 🗸
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d. Click on Connect

Please Note: ADSL routers will by default be capable of automatic authentication. This means your router will use your credentials you have provided to make the Internet connection. Each time your router is powered on, it will initialize this automated authentication process after which your router will receive a public IP address (fixed or dynamic depending on your plan) and DNS settings from TPG

Support Information

For further assistance, please call TPG TechnicalSupport on 1300 360 855Technical Support Opening HoursMonday to Friday8am – midnightSaturday and Sunday9am – 9pmPublic Holidays9am – 6pm