

TD-8811 External ADSL2+ Router



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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.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

EC DECLARATION OF CONFORMITY (EUROPE)

In compliance with the EMC Directive 89/336/EEC, Low Voltage Directive 73/23/EEC, this product meets the requirements of the following standards:

- EN55022
- EN55024
- EN60950

SAFETY NOTICES

Caution: Do not use this product near water, for example, in a wet basement or near a swimming pool.

Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

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Package contents

The following contents should be found in your box:

- > One TD-8811 External ADSL2+ ROUTER
- > One AC power Adapter for TD-8811 External ADSL2+ ROUTER
- > One Resource CD for TD-8811 External ADSL2+ ROUTER, including:
- This Guide
- Quick installation Guide Program
- Other Helpful Information
- USB driver
- > Quick installation Guide
- One RJ45 cable
- Two RJ11 cable
- One ADSL splitter
- > One USB cable

Note: If any of the above items are damaged or missing, please contact the retailer from whom you purchased the TD-8811 External ADSL2+ ROUTER for assistance.

Chapter 1: Product Overview

TP-LINK® TD-8811 External ADSL ROUTER is the latest product designed and manufactured by TP-LINK Technologies Co., Ltd. With TP-LINK's excellent circuit design and high quality production, we guarantee the ADSL ROUTER's high performance, great stability and easy to use.

TD-8811 uses integrated ADSL2+ transceiver and a 256-MHz MIPS32 CPU, the AFE supports full-rate ADSL connectivity conforming to the ITU and ANSI specifications; MIPS32 CPU with MMU and 16-KB I-cache/8-KB D-cache is integrated into the device.

In addition to the basic DMT physical layer functions, the ADSL PHY supports dual latency ADSL framing (fast and interleaved) and the I.432 ATM Physical Layer.

The TD-8811 is a complete plug-and-play solution. With standard Ethernet interface, it can be directly connected to any 10M/100M Ethernet devices, support Auto-MDIX.

The TD-8811 not only uses html (web mode through Ethernet port) to configure the ROUTER but also uses external utility software, too. You can download it from our website (http://www.tp-link.com).

1.1 Product main specification

- Adopts the high performance IC which integrates the AFE transceiver and the 256 MHZ MIPS32 CPU, guaranteeing that this product is efficient and steady.
- High speed and asymmetrical data transmit mode, provides safe and exclusive bandwidth
- > Supports All ADSL industrial standards
- Compatible with all mainstream DSLAM (CO)
- > Firmware upgradeable
- > Provides integrated access of internet and route function which face to SOHO user
- > Advanced DMT modulation and demodulation
- Real-time Configuration and device monitoring
- Quick response semi-conductive surge protection circuit, provides reliable ESD and surge-protect function

1.2 Supporting protocol

- G.992.1 (G.dmt) Annex A/B/C
- G.992.2 (G.lite) Annex A/B/C
- ANSI T1.413
- G.992.3 (ADSL2) Annex A/B/C/M and Annex L (RE-DSL) compliant
- G.992.5 (ADSL2+) Annex A/B/C and Annex L (RE-DSL) compliant
- ADSL dual latency (fast path and interleaved path)
- I.432 ATM physical layer compliant
- -Supports RFC2364 (PPPoA)

-Supports RFC2516 (PPPoE) -Supports RFC1483 (EoA)(Bridged *and route) -Supports RFC1577 (IPoA)

NOTE. "*" Needs the third-party software.

1.3 Transmit data-rate

- > Max download data-rate: 24Mbps
- > Max upload data-rate: 1Mbps
- > Max line length: 6Km

1.4 ATM property

- > AAL0, AAL5, OAM, RM, and raw cell types supported
- Direct hardware support for 4 Receive VCs, with additional RX VCs and TX VCs supported in software
- > Full 24-bit Virtual Path Identifier (VPI) and Virtual Circuit Identifier (VCI)

1.5 System support

- Support PVC
- > Support NAT、DHCP and so on
- > Support IEEE 802.3、IEEE 802.3u
- > Support 10Base-T/100BASE-TX full-duplex or half duplex Ethernet
- Support Auto-MDIX
- > Support USB 1.1 device interface

1.6 Working environment

- > Operating temperature: 0 °C~40 °C
- Storage temperature: -40 ℃~70 ℃
- Humidity: 10%~90% (non-condensing)

1.7 Electric parameter

- > Adaptor power Output: 9VAC/0.8A, 50Hz or 60 Hz
- > Power consumption: 4W Maximum

Chapter 2: Hardware Installation Guide

The TD-8811 maintains three separate interfaces, one Ethernet ,one USB interface and one ADSL interface. The Router should not be located where it will be exposed to moisture or excessive heat. Place the Router in a location where it can be safely connected to the various devices as well as to a power source.

2.1 System requirement

Confirm your computer has been installed with networking interface card (NIC) before connecting ADSL2+ ROUTER to your computer, with the operating system supporting the TCP/IP protocol.

2.2 LED explanation

The front panel of ADSL2+ ROUTER includes one power indicator (RED) and five function indicators (GREEN), as explained in chart 1-1:

Indicator	Description	Status	Function Details
PWR	Power	On	Power OK
	FOWEI	Off	Power fail
		Slow flash	Self-detecting when power up
ADSL	ADSL status	Quick flash	Connecting to the telecom network
		On	Connection to telecom network OK
		On	There is mistake when ADSL transmitting data or
ALARM	Mistake		receiving data
		Off	ADSL normal
		On	There is data transmitting or receiving on WAN
ACT	Data		port
		Off	No data transmitting or receiving on WAN port
		On	Connection to telecom network OK
USB	USB status	Off	Connect on USB port abnormal
		Flash	Data transmitting or receiving
		0	
		On	LAN port normal
LAN	Ethernet	Off	Connection on LAN port abnormal
		Flash	Data transmitting or receiving on LAN port

Chart 1-1

2.3 Rear-panel

- > **ON/OFF**: Turn on/off the ADSL2+ ROUTER's power.
- > Power (9VAC/0.8A input): please do not use any unknown power adaptor,

otherwise your ADSL2+ ROUTER may be damaged.

- RESET(reset default): First press the reset button of ROUTER, then turn on the ROUTER's power for at least three seconds. It will resume the default manufacturer's setup.
- > LAN: Connect with your computer's NIC.
- > **USB**: Connect with your computer's USB interface
- LINE(WAN): Connect to the MODEM Port of Splitter or Connecting the telephone line.

2.4 Hardware installation procedures (figure2-1)

The procedure to install the Router can be described in general terms in the following steps:

First Step: Connecting the MODEM port of Splitter with the LINE port of the TD-8811 ADSL2+ ROUTER by telephone line. While you need to use a telephone, please attach telephone line into the phone of Splitter.

Second Step: Connect category 5 cable with RJ45 jacks to ADSL2+ ROUTER's LAN port and your computer's NIC. Or connect USB cable to ADSL2+ ROUTER's USB port and your computer's USB interface

Third Step: Plug one end of the AC Power Adapter into the Power jack on the Ethernet ADSL2+ ROUTER and the other end to a standard electrical outlet.

Last Step: Check the line connection to see if everything is ready. Power up finally.

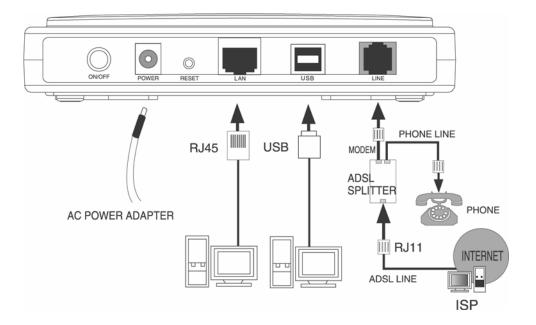


Figure2-1

Chapter 3: System Configuration

3.1 Computer Configuration

- 1. Connect the cable according to Chapter 2, turn on the power.
- Change the IP address of your PC (Figure 3-1): Open TCP/IP Properties of the LAN card in your PC, enter the IP address as 192.168.1.* (* is any value between 2 to 254, Net mask is 255.255.255.0, Gateway is 192.168.1.1, DNS address is the value provided by ISP).

Internet Protocol (TCP/IP) Propertie	5	<u>?</u> ×
General		
' You can get IP settings assigned autom this capability. Otherwise, you need to a the appropriate IP settings.		
🔿 Obtain an IP address automaticall	y	
Use the following IP address: —		
IP address:	192.168.1.168	
S <u>u</u> bnet mask:	255 . 255 . 255 . 0	
Default gateway:	192.168.1.1	
C Obtain DNS server address autom	natically	
Use the following DNS server add	Iresses:	
Preferred DNS server:	202 . 96 . 128 . 133	
<u>A</u> lternate DNS server:	202 . 96 . 128 . 188	
	Ad <u>v</u> anced.	
	OK Car	icel

Figure 3-1

Please note:

Users of Windows 98 can open **TCP/IP Properties** according to the following: Right-click (Mouse) **Network Neighbor** -> Choose **Properties** -> Double-click **TCP/IP PCI Fast Ethernet Adapter**.

The users of Windows 2000/NT/XP can do the following: Right-press **Network Neighbor** ->Choose **Properties**->Right-press **Local Connection** ->Choose **Properties**->Doubleclick **Internet Protocol (TCP/IP)**.

NOTE: The words in fact may be different with this guide.

Remarks: you can check whether your configuration is successful through **PING** command. Enter **Ping 192.168.1.1**

If the screen looks like the following, you have been successful.

```
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<10ms TTL-128
```

If the screen looks like the following, the connection has failed. Please try again.

Pinging 192.168.1.1 with 32 bytes of data: Request timed out.

3.2 Login

Startup Internet Explorer, and enter 192.168.1.1; then enter default user name(admin), password(admin), When ADSL2+ connection is OK, you will see the Figure 3-2.



Figure 3-2

You will then see the Figure 3-3. You will see some information such as link rate and so on.

TP-LINK						
TD-8811	Device Info					
	Board ID:	963381	2M-8M			
evice Info	Software Version:	3.02L.	09.A2pB019b8.d	16m		
dvanced Setup iagnostics	Bootloader (CFE) Version:	1.0.37	-0.8			
lanagement	This information reflects the cur	rent sta	atus of your DSL (
	Line Rate - Upstream (Kbp	os):				
	Line Rate - Downstream (Kb					
	LAN IP Address:		192.168.1.1			
	Default Gateway:					
	Primary DNS Server:		192.168.1.1			
	Secondary DNS Server:		192.168.1.1			



Default value of user name and password is "admin"; if you want to change them, please go to "**Management**" \rightarrow "Access control" \rightarrow "Passwords" changing them. (Figure 3-4)

TP-LINK	
TD-8811	Access Control Passwords
	Access to your DSL router is controlled through three user accounts: admin, support, and user.
Device Info Advanced Setup	The user name "admin" has unrestricted access to change and view configuration of your DSL Router.
Diagnostics	The user name "support" is used to allow an ISP technician to access your DSL Router for maintenance and to run diagnostics.
Management Settings	The user name "user" can access the DSL Router, view configuration settings and statistics, as well as, update the router's software.
System Log	Use the fields below to enter up to 16 characters and click "Apply" to change or create passwords. Note: Password cannot contain a space.
SNMP Agent Access Control	Username:
Services	Old Password:
IP Addresses Passwords	New Password:
Update Software	Confirm Password:
Save/Reboot	Save/Apply
	TP-LINK TBCH HOLOGIES CO., LTO. (Neb XWW); P-link.com

Figure 3-4

3.3 Web Setup

Choose "Advanced Setup" \rightarrow "WAN", you will enter the page of Wide Area Network (WAN) Setup, you will see the Figure 3-5.

TD-8811	Choose Ad	d, Edit, or	k (WAN) Sel Remove to co to apply the	- onfigure WA	N interfaces. d reboot the	system.					
dvanced Setup	VPI/VCI	Con. ID	Category	Service	Interface	Protocol	Igmp	Qo5	State	Remove	Edit
WAN LAN Security	0/32	1	UBR	br_0_32	nas_0_32	Bridge	N/A	Disabled	Enabled		Edit
Routing	1/33	1	UBR	br_1_33	nas_1_33	Bridge	N/A	Disabled	Enabled		Edit
iagnostics anagement	0/35	1	UBR	br_0_35	nas_0_35	Bridge	N/A	Disabled	Enabled		Edit
	0/100	1	UBR	br_0_100	nas_0_100	Bridge	N/A	Disabled	Enabled		Edit
	8/35	1	UBR	br_8_35	nas_8_35	Bridge	N/A	Disabled	Enabled		Edit
	8/81	1	UBR	br_8_81	nas_8_81	Bridge	N/A	Disabled	Enabled		Edit
	0/200	1	UBR	br_0_200	nas_0_200	Bridge	N/A	Disabled	Enabled		Edit
					A	d Rem	ove	Save/F	Reboot (]	



There are 7 PVC links in the **WAN** setup page, choose the fit PVC according to your needs, and then click the **edit** button, you will enter the page of ATM PVC Configuration (See Figure 3-6).

TP-LINK	
<u>TD-8811</u>	
Device Info	
Advanced Setup	
WAN	
LAN	ATM PVC Configuration
Security	This screen allows you to configure an ATM PVC identifier (VPI and VCI) and select a service category. Otherwise choose an existing interface by selecting the checkbox to enable it.
Routing	Che Checkbox do enable k.
DSL	VPI: [0-255] 8
Diagnostics	447: [0-232] 0
Management	VCI: [32-65535] 81
	Service Category: UBR Without PCR 💌
	Enable Quality Of Service
	Enabling packet level QoS for a PVC improves performance for selected classes of applications. QoS cannot be set for CBR and Realtime VBR. QoS consumes system resources; therefore the number of PVCs will be reduced. Use Advanced Setup/Quality of Service to assign priorities for the applications.
	Enable Quality Of Service
	Back Next
	TP-LINKTECHNOLOGIES.CO., LTD. INkbaww.tp-lluk.com

Figure 3-6

Enter **VPI/VCI** value and service category which is provided by your ISP, click **next** to enter the next step. You will see the figure 3-7.

NOTE: The type of network protocol selected may be different in different areas, there are five types (Figure 3-7), So you should ask your ISP to acquire the local type of network protocol and Encapsulation mode.

TP-LINK	
TD-8811 Device Info Advanced Setup WAN LAN Security Routing DSL Diagnostics Management	Connection Type Select the type of network protocol and encapsulation mode over the ATM PVC that your ISP has instructed you to use. Note that 802.1g VLAN tagging is only available for PPPoE, MER and Bridging. PPP over ATM (PPPoA) PPP over Ethernet (PPPoE) MAC Encapsulation Routing (MER) IP over ATM (IPoA) Bridging Encapsulation Mode LLC/SNAP-BRIDGING
	TP-UNKTROHNOLOGIESCO. ITD Mikhananit-Jukoyo

Figure 3-7

After choosing the proper protocol, enter the correct parameters supported by your ISP .Enable the configurations, then you will go to Internet.

> PPP over ATM (PPPoA)

If you select the protocol of PPP over ATM (PPPoA), you will see the figure 3-8, enter the value of user name and password which is provided by your ISP, after selecting the other function(often using the default setup), click the **next** button.

TP-LINK	
LP-LINK	
TD-8811	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.
Device Info	Cash read a transformation of Cash
Advanced Setup WAN	
LAN	PPP Username:
Security	
Routing	PPP Password:
DSL	Authentication Method: AUTO
Diagnostics	
Management	Dial on demand (with idle timeout timer)
	PPP IP extension
	Use Static IP Address
	Back
	DOCK MAKE
	TP-LINK TECHNOLOGIES CO., LTO. Web www.tp-link.com

Figure 3-8

You will see the figure 3-9. Then turn on the selected functions according to your demands. Clicking the **next** button to enter the next step, you will see the Figure 3-10, finally click **save** to complete the configuration.

TP-LINK	./			
TD-8811 Device Info Advanced Setup WAN LAN Security Routing DSL Diagnostics Management	Enable IGMP Multica Enable IGMP Multicast Enable WAN Service Service Name		Back Next	
		TP-LINKTECHNOLO	SIES CO., LTD. Ukbawwa, b-likkoom	

Figure 3-9

TD-8811	WAN Setup - Summ	ary	
10 0011			Name and the second second
	Make sure that the set	lings below match the sett	tings provided by your ISP.
ce Info anced Setup	VPI / VCI:	8 / 81	
anced Setup	Connection Type:	PPPoA	
N	Service Name:	br 8 81	
curity		UBR	
uting	IP Address:	Automatically Assigned	
L		Enabled	
nostics	Service State:		
agement	NAT:	Enabled	
	Firewall:	Enabled	
	IGMP Multicast:	Disabled	
	Quality Of Service:	Disabled	
	Click "Save" to save the		o make any modifications. Interface and further configure services over this interface
	NOTE: You need to reb	oot to activate this WAN i	
	NOTE: You need to reb	oot to activate this WAN i	Back Save
	NOTE: You need to ret	oot to activate this WAN i	
	NOTE: You need to reb	oot to activate this WAN i	
	NOTE: You need to reb	oot to activate this WAN i	
	NOTE: You need to reb	oot to activate this WAN i	
	NOTE: You need to reb	oot to activate this WAN i	

Figure 3-10

PPP over Ethernet (PPPoE)

If you select the protocol of PPP over Ethernet (PPPoE), you will see the figure 3-11, enter the value of user name and password which is provided by your ISP, after selecting the other function(often using the default setup), click the **next** button.

TD-8811 Device Info Advanced Setup WAN	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.	
LAN Security Routing DSL Diagnostics Management	PPP Username:	
	Back Next	

Figure 3-11

You will see the figure 3-12. Then turn on the selected functions according to your needs.

Clicking the **next** button to enter the next step, you will see the Figure 3-13, finally click **save** to complete the configuration.

TP-LINK				
IP-LINK				
	<u></u>			
TD-8811				
10-0011	Enable IGMP Multica	st, and WAN Service		
		226		
Device Info	Enable IGMP Multicast			
Advanced Setup				
WAN	Enable WAN Service			
LAN	Service Name	br_8_81		
Security	Del vice Mallie	6,0001		
Routing				
DSL				
Diagnostics			Back Next	
Management				
		TP-LIN KTECHNOLO	GIES CO., LTD. Webaaaa.tp-link.com	

Figure 3-12

TD-8811 WAN Setup - Summary evice Info Make sure that the settings below match the settings provided by you dvanced Setup WPI / VCI: 8 / 81 WAN Connection Type: PPPoE Security Service Category: UBR Routing IP Address: Automatically Assigned Service State: Enabled NAT: Enabled Firewall: Enabled	TD-8811 WAN Setup - Summary Make sure that the settings below match the settings provided by you VPI / VCI: 8 / 81 Connection Type: PPPoE Service Name: br_8_81 Service Category: UBR IL IP Address: Automatically Assigned Service State: Enabled Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modificat	8811 WAN Setup - Summary Make sure that the settings below match the settings provided by you Setup Connection Type: PPOE Service Name: br_8_81 Service Category: UBR IP Address: Automatically Assigned Service State: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modificat	///		
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vPI / VCI: 8 / 81 Connection Type: PPPoE Service Name: br_8_81 Service Category: UBR IP Address: Automatically Assigned Service State: Enabled NAT: Enabled	vPI / VCI: 8 / 81 Connection Type: PPPoE Service Name: br_8_81 Service Category: UBR IP Address: Automatically Assigned Service State: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings, Click "Back" to make any modifications, NOTE: You need to reboot to activate this WAN interface and further configure responses	Setup VPI / VCI: 8 / 81 Connection Type: PPPoE Service Name: br_8_81 Service Category: UBR IP Address: Automatically Assigned Service State: Enabled NAT: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure :		Sector States and sector states and	ABAR An anna an an an
Connection Type: PPPoE Service Name: br_8_81 Service Category: UBR IP Address: Automatically Assigned Service State: Enabled NAT: Enabled	Connection Type: PPPoE rity Service Name: br_8_81 service Category: UBR IP Address: Automatically Assigned ostics Service State: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure ser	Setup Connection Type: PPPoE Service Name: br_8_81 Service Category: UBR IP Address: Automatically Assigned Service State: Enabled NAT: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure ser		VPI / VCI:	8/81
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s Service State: Enabled NAT: Enabled	s s Service State: Enabled NAT: Enabled Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure serv	service State: Enabled NAT: Enabled Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure service			
ent NAT: Enabled	S NAT: Enabled Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure serve	S NAT: Enabled Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure service			
	Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure service	Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure service	1997		
	IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure serv	IGMP Multicast: Disabled Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure service	ic i	1000000	
TCMB Multicactu Disabled	Quality OF Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure serv	Quality Of Service: Disabled Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure service			
	Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure serv	Click "Save" to save these settings. Click "Back" to make any modifications. NOTE: You need to reboot to activate this WAN interface and further configure servic			
Quality Uf Service: Disabled	NOTE: You need to reboot to activate this WAN interface and further configure serv	NOTE: You need to reboot to activate this WAN interface and further configure servic		Quality UI Service:	Disabled
					TP-LINK

Figure 3-13

> MAC Encapsulation Routing (MER)

If you select the protocol of MAC Encapsulation Routing (MER), you will see the page(Figure 3-14) Enter the parameter and the way which is provided by your ISP, then click the **next** button.

TRANC	
TP-LINK	
TO ONLY	
TD-8811	WAN IP Settings
	Enter information provided to you by your ISP to configure the WAN IP settings.
Device Info	Notice: OHCP can be enabled for PVC in MER mode if "Obtain an IP address automatically" is chosen. Changing the default gateway or the DNS effects the whole orthom. Coefficients there will detail to these will details have a theoretic assignments from DHCP or table WINN expectation.
Advanced Setup	whole system. Configuring them with static values will disable the automatic assignment from DHCP or other WAN connection. If you configure static default gateway over this PVC in MER mode, you must enter the IP address of the remote gateway in the "Use IP address". The "Use
WAN	WAN interface" is optional.
LAN	
Security	O Obtain an IP address automatically
Routing	Use the following IP address:
DSL	WAN IP Address: 192.168.1.1
Diagnostics	WAN Subnet Mask: 255,255,255.0
Management	EDIEDIEDI
	Obtain default gateway automatically
	Optian derault gateway automatically Use the following default gateway:
	Use IP Address:
	Use WAN Interface:
	Obtain DNS server addresses automatically
	Use the following DN5 server addresses:
	Primary DNS server:
	Secondary DNS server:
	Back Next
	TP-LINK TECHNOLOGIES CO., LTD. Web xww.g-link.com

Figure 3-14

You will see the figure 3-15. Then turn on the selected functions according to your needs. Clicking the **next** button to enter the next step, you will see the Figure 3-16, finally click **save** to complete the configuration.

TD-8811 Device Info Advanced Setup WAN LAN Security Routing DSL Diagnostics Management	Network Address Translation Settings Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN). Enable NAT Enable Firewall Enable IGMP Multicast, and WAN Service Enable IGMP Multicast Enable WAN Service Service Name: br_8_81 Back Next
	TP-LINK TECHNOLOGIES CO., LTD. Webwww.tp-link.com

Figure 3-15

TP-LINK		
TD-8811	WAN Setup - Summ	
Device Info		la na s
Advanced Setup	VPI / VCI:	8 / 81
WAN	Connection Type:	MER
LAN	Service Name:	br_8_81
Security	Service Category:	UBR
Routing	IP Address:	192.168.1.1
DSL	Service State:	Enabled
Diagnostics Management	NAT:	Enabled
Hanagement	Firewall:	Enabled
	IGMP Multicast:	Disabled
	Quality Of Service:	Disabled
	Click "Save" to save the NOTE: You need to reb	

Figure 3-16

> IP over ATM (IPoA)

If you select the protocol of IP over ATM (IPoA), you will see the figure 3-17, enter the parameter and the way which is provided by your ISP, then click the **next** button.

TP-LINK	
TD-8811	WAN IP Settings
1	Enter information provided to you by your ISP to configure the WAN IP settings.
Device Info Advanced Setup	Notice: DHCP is not supported in IPoA mode. Changing the default gateway or the DNS effects the whole system. Configuring them with static values will i disable the automatic assignment from other WAN connection.
WAN	usable the automatic assignment from other waiv connection.
LAN	WAN IP Address: 192.168.1.1
Security	WAN Subnet Mask: 255.255.0
Routing	
Diagnostics	Use the following default gateway:
Management	Use IP Address:
	Use WAN Interface:
	Use the following DNS server addresses:
	Primary DNS server:
	Secondary DNS server:
	Back
	TP-LINKTECHNOLOGIES CO., LTD. //Web.www.p-link.com

Figure 3-17

You will see the page (figure 3-18), then turn on the selected functions according to your needs. Clicking the **next** button to enter the next step, you will see the Figure 3-19, finally click **save** to complete the configuration.

TP-LINK	
TD-8811	Network Address Translation Settings
10-0011	
	Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).
Device Info	
Advanced Setup	Enable NAT
WAN	Enable Firewall 🗸
LAN	
Security	
Routing	Enable IGMP Multicast, and WAN Service
DSL	
Diagnostics	Enable IGMP Multicast
Management	Enable WAN Service
	Enable WAN Service 🔽
	Service Name: br_9_81
	Back

Figure 3-18

TP-LINK		
TD-8811	WAN Setup - Summ	ary
	Make sure that the set	tinas below ma
Device Info	Halo Salo ciac cio Soc	angs bolowine
Advanced Setup	VPI / VCI:	8/81
WAN	Connection Type:	IPoA
LAN	Service Name:	br_8_81
Security	Service Category:	UBR
Routing		200333
DSL	IP Address:	192.168.1.1
Diagnostics	Service State:	Enabled
Management	NAT:	Enabled
	Firewall:	Enabled
	IGMP Multicast:	Disabled
	Quality Of Service:	Dicabled
	Quality of Service.	Disableu
	Click "Save" to save the NOTE: You need to reb	ese settings. (oot to activat

Figure 3-19

> Bridging

If you select the Bridging protocol, you just open the bridge service function options, you will see the figure 3-20, then click the **next** button, you will see the Figure 3-21, finally press **save** to complete the configuration.

TP-LINK				
TD-8811				
	Unselect the check h	ox below to disable this WAN service		
	onstatet are entered	on below to disuble this transcrite		
Device Info	Enable Bridge Service:			
Advanced Setup	Enable bridge service:			
WAN	Service Name:	br_8_81		
LAN	Der vice Maine.	BI_0_01		
Security				
Routing				
DSL				
Diagnostics			Back Next	
Management				
		TP-UNKTECHNOLOGIES CO. LTI	D. International to-link com	

Figure 3-20

·		
TP-LINK		
1/1/		
TD-8811	WAN Setup - Summ	ary
	-	
an a	Make sure that the set	tings below matc
Device Info	VPI / VCI:	8/81
Advanced Setup		
WAN	Connection Type:	Bridge
LAN	Service Name:	br_8_81
Security	Service Category:	UBR
Routing	IP Address:	Not Applicable
DSL Diagnostics	Service State:	Enabled
Management	NAT:	Enabled
rianagement	Firewall:	Enabled
	IGMP Multicast:	Not Applicable
	Quality Of Service:	Disabled
	Click "Save" to save th NOTE: You need to ret	
	NOTE: YOU need to rec	JOOL LU ALLIVALE

Figure 3-21

NOTE: After you complete the settings, the new settings must be saved and the Router must be restarted for the settings to go into effect. Please press the **Save/Reboot** button to restart, referring to the Figure 3-22.

TD-8811	Choose Ad	d, Edit, or		onfigure WA	N interfaces. d reboot the						
ce Info Inced Setup	Choose bar	/e/Rebuul	со арріу спе			-					1
N	VPI/VCI	Con. ID	Category	Service	Interface	Protocol	Igmp	Qo5	State	Remove	Edit
4	0/32	1	UBR	br_0_32	nas_0_32	Bridge	N/A	Disabled	Enabled		Edit
urity		~	07.733				2.002		.0110074.0		
uting	1/33	1	UBR	br_1_33	nas_1_33	Bridge	N/A	Disabled	Enabled		Edit
	1	-									
nostics	0/35	1	UBR	br_0_35	nas_0_35	Bridge	N/A	Disabled	Enabled		Edit
agement	-			1							
	0/100	1	UBR	br_0_100	nas_0_100	Bridge	N/A	Disabled	Enabled		Edit
	8/35	1	UBR	br_8_35	nas_8_35	Bridge	N/A	Disabled	Enabled		Edit
	8/81	1	UBR	br_8_81	nas_8_81	Bridge	N/A	Disabled	Enabled		Edit
	0/200	1	UBR	br_0_200	nas_0_200	Bridge	N/A	Disabled	Enabled		Edit
		4.	*	1	(At	dd Rem	ove	Save/F	leboot]	

NOTE: All of the above setting is under windows XP OS.

3.4 Software Dial

If TD-8811 CPE work in bridged (RFC 1483 Bridged) mode when it connects Internet. You must to install dial software on your PC. There are some software working on WINDOWS in market, example for EnterNet3000、RASPPPoE、WinPeET.

How do I set up the connection in the windows XP?

- The users of Windows XP can click the "start->All Programs->Accessories-> Communications->New connection wizard", then click Next to enter the setting page.
- Please you select the "connect to the internet", and then click the Next button to enter the next page and select the "set up my connection manually", click Next to enter the next page.
- Please select the "connect using a broadband connection that requires user name and password", click Next to type the name of your ISP in the current page, and then click Next.
- Type an ISP account name and password, if you have forgotten an existing account name or password, please connect with your ISP, click Next.
- To create the connection and close this wizard, click finish to add a shortcut to this connection to your desktop.
- When you assess the internet by ADSL, double-click this shortcut of dial connection in your desktop, type the account name and password, then click **connect** to connect the Internet.

3.5 USB Configuration

If you use the USB interface, First of all you must install the USB's drive to the using computer. You can obtain the drives from the provided CD or download from our website. (http://www.tp-link.com)

USB Drive installation procedures

If the hardware is installed before the computer is Power On. Please turn on the computer and enter into the windows operating system, Then the operating system will identify the device. If the hardware is installed after the computer is Power On The desktop will display the information of found the new hardware.

Then You will see the figure 3-23 require install software for USB Device, select 'Install from a list or specific location (Advanced)'and Clicking the **next** button to enter the next step. You will see the figure 3-24.



Figure 3-23

Found New Hardware Wizard
Please choose your search and installation options.
 Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
Include this location in the search:
E:\Documents and Settings\zff\Desktop\tp-adsl-usb 💊 Browse
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back Next > Cancel

Figure 3-24

Select the 'search removable media(floppy, CD-ROM····)'. and click the **next** button You will see the figure 3-25. The driver will be search and installed.

NOTE: You must insert the CD first.

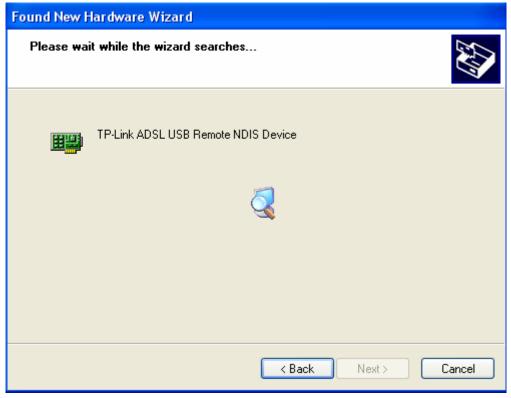


Figure 3-25

Waiting and you will see the figure 3-25. The driver has finished installation, click **Finish** to close the installation.

Please reference to chapter 3.1 to finish the IP configuration of USB network connect. Then you could use the USB device.

Found New Hardware Wizard	
	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
	TP-Link ADSL USB Remote NDIS Device
	Click Finish to close the wizard.
	< Back Finish Cancel

Figure 3-26

- **NOTE**: 1 All of the above settings are under windows XP OS.
 - 2 If you want cut off the USB device you must disconnect the network of USB first.

Chapter 4: Advantage management setup

In order to satisfy our customer's needs we offer an excellent Web management interface. Feel free to utilize the Advantage application and online software upgrades. The functions of the Web management interface are as follows:

- Upgrade software
- Modify the default IP address of the port of LAN(192.168.1.1)
- Modify the login password
- Configure DHCP
- > Check the information of IP and the operation status
- Configure the NAT function
- Configure the DNS parameters
- Configure RIP(Routing Information Protocol)
- Configure IP route
- Configure Security rule
- Configure DSL parameter

NOTE: If you want to acquire further details, please access our website (www.tp-link. com) and consult the advantage user guide of TD-8811.

Chapter 5: FQA

- 1. What related parameters are required to acquire ISP when you want to access the internet by ADSL2+ ROUTER?
 - 1) Dial user: Connection protocol, User name, Password, Value of VPI/VCI, Encapsulation mode of AAL5 and so on.
 - 2) Static IP user: Connection protocol, WAN IP Address, Subnet Mask, Gateway, Value of VPI/VCI, Encapsulation mode of AAL5 and so on.

2. About Connection protocol, VCI/VPI, Encapsulation mode of AAL5

- This product supports the PPP protocol over ATM (PPPoA)、 PPP over Ethernet (PPPoE)、MAC Encapsulation Routing (MER)、IP over ATM (IPoA) and Bridging. You may be used with any one of the five protocols above. Because the ISP in different areas supports different protocol, you must choose the protocol which is supported by your ISP.
- 2) The VPI is the English abbreviation of the Virtual Path Identifier, the VCI is the English abbreviation of the Virtual Channel Identifier, the value of VCI/VPI must be compatible with the value that provided by ISP.
- 3) Encapsulation mode of AAL5 include: LLC/SNAP and VC_MAX(often using LLC/SNAP).
- 3. Why the LAN's and the NIC's LED both bright, but the configuration interface is inaccessible?
 - 1) Use the order of **ping 192.168.1.1** to check the Accuracy of connection.
 - 2) Check the Accuracy of working NIC.
 - 3) Whatever the setup of the IP address on your computer (if you close the DHCP function, you can't obtain the IP address automatically, must specify the IP address of your computer manually).
 - 4) Run the winipcfg order in the windows 95/98(run the ipconfig order in the windows 2000) to check whether setup the IP address, subnet mask, default gateway by DHCP.
 - 5) Resume the ADSL2+ ROUTER default configuration if necessary.

4. Have complete all configurations, but can't dial through computer

- 1) Check the indicator of ADSL2+, it should be working in normally.
- Check the accuracy of parameter of value of VPI/VCI, Encapsulation mode of AAL5 and so on, whether you need to install the software of dial the number, such as Winpoet, Enternet.
- This product has the PPP dial procedure inside, so you will not need to use the dial software if your protocol is PPPoA or PPPoE, ADSL2+ ROUTER will connect automatically.
- 4) You can check whether your ADSL2+ ROUTER succeeds in connection with **PING** command.

Appendix A: Default Configuration

USER NAME	admin
PASSWORD	admin
IP ADDRESS	192.168.1.1
VPI/VCI	0/32,1/33,0/35,0/100,0/200,8/35,8/81

Appendix B: Contact Information

For help with the installation or operation of the TP-LINK TD-8811 External ADSL2+ ROUTER, please contact us.

E-mail: support@tp-link.com

Website: http://www.tp-link.com

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com