

User Guide

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D840R ADSL2+ Router

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CONTENTS

Chapter 1 Overview1
1.1 Product Introduction1
1.2 Product Features1
1.3 Supporting Protocol1
1.4 Data Encapsulation
Chapter 2 Hardware Installation4
2.1 ADSL Router Connection4
2.2 USB Installation4
Chapter 3 Before Web Management Configuration5
3.1 Network Configuration of Your Computer5
3.2 Verifying the Connection8
3.3 Logging in to the Router9
Chapter 4 Quick Installation Guide10
4.1 Configure the PPPoE11

Tona	a
end	D

4.2 Configure the PPPoA	13
4.3 Configure the MER	15
4.4 Configure the IPoA	18
Chapter 5 Configuration Description	20
5.1 Device Information	20
5.2Advanced Settings	23
5.2.1 WAN	23
5.2.2 LAN	49
5.2.3 NAT	51
5.2.4 Security	57
5.2.5 Routing	65
5.2.6 DNS	67
5.2.7 DSL	72
5.3 DHCP	73
5.4 System Tool	73
5.4.1 Settings	74
5.4.2 System Log	76
5.4.3 Internet Time	78
5.4.4 Access Control	79

Tenda°

D840R ADSL2+ Router User Guide

	5.4.5 Software Update
	5.4.6 Save/Reboot
83	Chapter 6 Appendix
ooting83	Appendix 1: Troublesho
	Appendix 2: FAQ

Chapter 1 Overview

1.1 Product Introduction

D840R ADSL2+ Router complies with ADSL, ADSL2 and ADSL2+ standards. Supporting up to 24Mbps downstream rate and 1Mbps upstream rate, it supports multiple network protocols and provides NAT Router, Bridge and switch functions. Built-in 4-port switch can add more end users without purchasing hub or switch. In addition, the intelligent software, Setup Wizard, can assist you to access the Internet fast and easily. Powerful and exquisite, it is the best choice for SOHO and small enterprise users to share the Internet.

1.2 Product Features

- Provides up to 24Mbps downstream rate and 1Mbps upstream rate
- Supports DHCP, NAT, IGMP, ICMP, ARP
- Four 10/100M Auto-Negotiation RJ-45 Ethernet ports for network adapter, Hub and switch

connectivity

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- One RJ-11 port and Voice Splitter included
- One USB port support for connecting PC's USB port
- Provides Web-based management and firmware upgrade
- Complies with ADSL, ADSL2 and ADSL2+ standards
- Provides NAT Router, Bridge and switch functions
- Compatible with all mainstream DSLAM (CO)
- Provides PPPOE, PPPOA, CLIP protocols
- Supports firewall and hacker attack prevention
- Supports Internet Multi Media
- Provides static and dynamic routes
- Up to 6.5km transmission distance
- Setup Wizard support for fast and easy configurations

1.3 Supporting Protocol

Supports full-rate ADSL2+ standard

- ANSI T1. 413 Issue 2
- ITU-T G. 992. 1 (G. dmt)
- ITU-T G. 992. 2 (G. Lite)

D840R ADSL2+ Router User Guide

• ITU-T G. 992. 3

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• ITU-T G. 992. 5

1.4 Data Encapsulation

- Supports RFC 1483 Bridge、RFC 1483 Router
- Supports Classical IP over ATM (RFC 1577)
- Supports PPP over ATM(RFC 2364)
- Supports PPP over Ethernet (RFC 2516)

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Chapter 2 Hardware Installation

2.1 ADSL Router Connection

- 1. Connect one end of the telephone line to the LINE port of the D810R and the other end to the MODEM port of the voice splitter.
- 2. Connect the power adapter to the PWR port of the D810R.
- 3. Use an Ethernet cable to connect the LAN port with the NIC of your computer.

2.2 USB Installation

To connect the device to the USB interface of the computer, please follow the steps below:

- 1. Connect to the USB port of the D810R through a USB cable.
- 2. Connect the other end of the cable to the computer's USB port.
- 3. Set up the USB driver provided by the CD-ROM.

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Chapter 3 Before Web Management Configuration

3.1 Network Configuration of Your Computer







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2) "Use the following IP address": IP address: 192.168.1.XXX (XXX ranges 2 ~ 254) Subnet mask: 255.255.255.0 Default gateway: 192.168.1.1 DNS server: Enter the local DNS server address (for this address, you can consult your ISP) or the router's default gateway as the DNS server. At the end of the setting, click "OK" to submit the settings. And then click "OK" in the "Local Area **Connection Properties**" window.

end us on get IP estings assigned autonolically if your net capability. Otherwise, you need to aik your network a approximate IP astings. 0 Use the following IP address: 19 values: 19	. 51 5. 0
c casability. Differinties, you need to ask your network a appropriate IP satings.) Obtain an IP address automaticably)D tas the following IP address: IP address: IP address: 255, 255, 257 Defoult gateway: 152, 168, 1) Obtain DNS server address automaticably	. 51 5. 0
Duse the following IP address: 192 . 168 . 1 IP address: 192 . 168 . 1 Subnet matic 255 . 255 . 255 Default gateway: 192 . 168 . 1 Obtain DNS server address automatically	5.0
Duse the following IP address: 192 . 168 . 1 IP address: 192 . 168 . 1 Subnet matic 255 . 255 . 255 Default gateway: 192 . 168 . 1 Obtain DNS server address automatically	5.0
Subnet mask: 255 . 255 . 259 Default gateway: 192 . 168 . 1 Obtain DNS server address automatically	5.0
Default gateway: 192 . 168 . 1) Obtain DNS server address automatically	
Obtain DNS server address automatically	. 1
Preferred DNS server: 192.168.1	. 1
Alternate DNS server:	
(Advance
OK	C

3.2 Verifying the Connection

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3.3 Logging in to the Router



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Chapter 4 Quick Installation Guide

	tions
In the Wizard page, Select	This Yinsurd will guide yos through the steps necessary to configure your DG. Notter
the required your	ATB FWC Configuration
"Country" and "Area" from	Flease salest year region, automatically fill WI and WI. Country: Chana 💌
the drop-down lists. If	Ares: Shemihem w The Virtual Path Identifier (NTI)
you can not find your	we would for waiting up the ATE FVC. He set though VFI and VEI sombars unless your IIF instructs you otherwise. VFI (5-255)
country and city in these	WEI [22-0555] 35 Realls Quality Of Service
lists, you can consult your	fashing Gof for a PVC improves performance for selected classes of applications. However, since God also consumes system resources, the number of PVCs will be reduced emonymently. We Advanced
ISP and manually enter	Setup/Quality of Service to assign priorition for the applications.
the VPI and VCI values of	Enable Quality Of Service
your area. After that, click	[Best]
"Next".	

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4.1 Configure the PPPoE

1.	Select "PPP over Ethernet (PPPoE)". Click "Next".	Connection Type Salart the type of astrock protocal for IP over Therman as NAP interface () TP over ADM (TPTA) () TP over ADM (TPTA)
2.	Enter the PPP user name	PPP Usermane and Paravand
	and password provided	PPP unally require that you have a user same and pastwood to setablish your
	by the ISP. If the ISP also	eccase-tion. In the boxes below, enter the user name and password that your ISP has provided to you.
	provides the PPPoE	PFP Uername. tends@163.gd
	service name, you can	PPP Pasword:
	enter the corresponding	Authentication Method: AUTO
	value; otherwise, keep	Dial on demand (with alle itaneout itanet) Inactivity Timeout (anisother) [1-6320]:
	this field null. Use the	PPP IP entension
	default values for other	Use Static IP Address IP Address IP Address 51 219 66 7
	options. For their more	Retry PPP password on extlestication error
	settings, refer to the	Bridge PPPoE Frames Between WAN and Local Ports (Default Enabled)
	detailed description in the	
	Advanced Settings.	

 Click "Next" and check to enable the WAN service (enabled by default). 	Basks 1007 Baltinest, and EMI Torrer Basks 1007 Baltinest Basks 100 Service Service Res Sprice Res
4. Click "Next" to display the window shown the summary of your settings.	Bitter - Innerri Base as the set stratege helen metch the settings provided by you Base as the settings helen metch the settings provided by you Base as the settings helen metch the settings provided by you Base as the settings helen metch the settings provided by you Base as the settings helen metch the settings provided by you Base as the setting helen metch the settings helen metch the setting helen metch thelen metch the setting helen metch thelen metch thele
 5. Click "Save/Reboot" to activate your settings. The system automatically establishes connection in a few minutes. 	ELL Bostor Lobort The Bill, Bostor has been configured and it rehesting. Heliceting please waiting 35 seconds

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4.2 Configure the PPPoA

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PPF over Taxanat (PP-N2) Rec Verser State (PP-N2) De (Second Second Secon
ITF Userstor and Passest
PPP untaily requires that you have a user name and password to establish your connection. In the boost below, easter the user name and password that your SSP has
PPP Usemane: Improvide to you. PPP Processi: Improvide to you. Automication Method: Improvide to you. PP Date contraction: 50 PPP Processi: 25255382 Produce: 25255382 Protry PPP procession: 25255382

3.	Click "Next" and check to enable the WAN service (enabled by default).	Backle 1987 Belliest Backle 1997 Belliest Enable 1987 Service Service Res Sank (Sent)	and TAI Director
4.	Click "Next" to display the window shown the summary of your settings.	10. 11. / VG. Connection Type: Torvice State Service State Mol Formall 1000 Bulleant Quality Of Survice: Click "Servichood" to new Tordi to neb age multifact	balar anth the nettings provided by your 0 / 20 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 977.4 97.4
5.	Click "Save/Reboot" to activate your settings. The system automatically establishes connection in a few minutes.	1010000	been coefficered and is releasing please waiting 35seconds

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4.3 Configure the MER	
1. Select "MAC Encapsulation Routing (MER)". Click "Next".	Connection Type Salart the type of satewich protocal for DP over Tibersat as BAS (asterfase) FPT over APR OFFRah) FPT over APR OFFRah) FPT over Tibersat (OFFRah) FPT over APR OFFRah) Foregonalation Bods Lic/SEGO-DEDEGIES (*)
2. If your ISP provides the	WAN IP Settings
static IP address, you	Eater information provided to you by you LFD to configure the WAM IF exitings. Hotes: DHCF on a worked for PVC in MER: mode or PO even Ethernet we WAM interfier if "Obtain as IP address extraordinally" in classes. Changing the default gateway or the DES effects the whole system. Configuring them with that is values well disabilities.
should enter the	the UPCs entroit the whole spyrons, consequence problem in their whole was means to be waterimet assignment from DEUPC or other AAN connection. If you configure static default gateway over this PVC is MER mode, you must ealer the IP address of the sensite gateway in the "Use IP address." The "Use WAM interface" is optimal.
corresponding values in	Obtain an IP address subtreatively Obtain an IP address subtreatively Wall IP address WALL P Address
"WAN IP Address" and	WAN Suburt Musk. 255 255 255 0
"WAN Subnet Mask".	Une the following default gatewort Une TP Addams Une WAN Interface. Propose, R., 28, 17/000, R., 38, 1
	Oftein DRI server administratively Use the following DRI server administe Pressed DRI server Servedeey DRI server

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		WAY IP farmings
3.	If your ISP provides the dynamic IP address, you should select "Obtain an IP address automatically".	Description The starting barrier barr
4.	Click "Next". In the	Settinge - Joshup Betweik Aldrein Translation Settings
	case of multiple	Metwork Address Translation (002) allows you to share one Tide Area Metwork (000) 17 address for waltiple computers on your Local Area Metwork (200)
	computers share the	Radle Har 🕞 Radle Fireeall
	Internet access service,	Eastle IGHP Balticest, and TAN Service
	it is recommend- ed to	Enable 1987 Bulticent
	enable NAT and	Service Rea: Rer_8_35
	firewall.	Fack [Sect]

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	BAS Setup - Summary Bade sure that the settings halve each the settings provided by your						
5. Click "Next" to display the window shown the summary of your settings.	"Back" to make any modifications	0 / 35 REA or.J.55 UR REAL					
 6. Click "Save/Reboot" to activate your settings. The system automatically establishes connection in a few minutes. 	ALCONOMIC .	a configured and in reducting see waiting 35 seconds					

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4.4 Configure the IPoA

1. Select "IP over ATM (IPoA)". Click "Next".	Commercian Type Exlect the type of astrock protocol for IP over Etherant as UN interface () FFF over ATM OFFAL () BCC Encourded the Section (SEC) () BCC Encourded the Section (SEC) () BCC Encourded the Section (SEC) () Bridging Encourded the Section (Section
 Enter the fixed IP address and subnet mask in corresponding fields. 	BAR 17 Settings Alter addression period is you by your HP is callingue the BM BP actions. Bartings Barting Barting </th
3. Click "Next". It is recommended to enable the NAT and firewall.	Section & Section Course Address Franciscus (Section) Marce Address Franciscus (Sec

-		_	
	e	10	d

4. Click "Next" to display the window shown the summary of your settings.	127. 197. / VG2. Conservin Type : Service Tanger . 17 Addes: Service State . 26 Addes: 27 Addes: 28 Addes: 29 Balticast . 09 Balticast . 09 Service . 21 Service State . 21 Service . 21 Se	e with the settings previded by your				
5. Click "Save/Reboot" to	III. Seator School					
activate your settings.	The SEL Rature has hear configured and in reheating.					
The system automatically						
establishes connection in						
a few minutes.						

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Chapter 5 Configuration Description

5.1 Device Information

1)	Click "Running Status"				
	and "Summary" to				
	display the "Device				
	Info" and "DSL Info"				
	window.				
2)	The device information	faming :	Status — Derree Tate		
İ			Board ID	TENDA V 0.2	
	covers:		Software Version	DEL ROUTER V 1.0.1	
a.	Board ID		Bootlander (CFE) Version:	BCMCFE V 1.0.3	
а.	Board ID		LAN MAC:	02:10:18:E1:00:AE	
b.	Software version		NAM MAC: Remains Time:	02 10 18 21 00 A2	
-			System Time:	2000-01-01 Sat 00:00:57	
C.	Boot version				
d.	LAN MAC address				
e.	WAN MAC address				
f.	Running time				
g.	System time				

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3)) The DSL		information
	covers:		

- a. Upstream link rate
- b. Downstream link rate
- c. LAN IP address
- d. Default gateway: In the pure bridge mode, there is no gateway; in other modes such as PPPoE and PPPoA, the gateway address is the IP address of the upstream device.
- e. Primary DNS server: In the PPPoA/PPPoE mode, the DNS address is obtained from the upstream device; in the pure bridge mode, it is not required to set the DNS address; in other modes, you can manually enter the DNS address.
- f. Secondary DNS server

ng Status - Bil Info

Line Rate - Vpstream (Dips)	
Line Bate - Downstream (Dbys):	
LAN IF Address	192.168.1.1
Default Gateway:	
lvinwy DRS Server:	192 100 1.1
Secondary DBS Server:	192.168.1.1

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4)	Click "WAN" in left	Particular		- 118								-	
''	chek wat in left	1015.100	12	fa B	Estager	-	Interface		144	**	2144	(Tares	19 anii aa
	menu to display the	4/10	140	A.	-	and,20	m330		Briddet	Bendled	Baddard .	arti, Loan Jorn	
		/			-	ar-3,00	m,1,9,3	me	Bieddorf	Reading	Budded	Res.	
	window shown in the												
	right figure. From the												
	table, you can know the												
	general information on												
	WAN.												
5)	Click "Route" to display	Real	inting			- up, 1 - n							
	Ale a contra d'accor a la accora tim		De	والمعالات		dermay 3						Interfa	
I	the window shown in				0.0		65 255 2					baß	
	the right figure,												
	displaying the default												
	information.												

5.2 Advanced Settings

5.2.1 WAN

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Cli	ck "WAN". If the WAN	113 Coolignation
	information has been set,	ATH FVC Configuration This acress allows you to configure an ATM FVC identifier (072 and VCI)
	you can edit or modify it in	and salect a service entrgrey. Otherwise choice an axisting interface by salecting the checklor to analle it.
	this window.	Fleens select your region, estimatically fill WI and WI. Country: Area: Stornahen V
Ca	ution: After modifying/	977. [0-256] 8 907. [32-68596] 55
	adding new information,	VLAN Huz - Enable Hultiple Protocols Over a Single FWC
	you need to reboot the	Service Cutegory: UES Without PCR 💌
	device to activate the	Eashie Quality Of Service Enabling packst level Qu5 for a PVC improves performance for selected classes of opplications. Out cannot be not for CD2 and Bealies VML OUT communit system resources: therefore that maker of TUS will be
	setting.	reduced. Use Advanced Satup/Quality of Service to assign priorities for the applications.
1)	VPI (Virtual Path Identifier):	Rushle Quality Of Service 🗌
	Virtual path between two	Back [Sect]
	points in the ATM network.	
	Its value ranges 0 ~ 255.	
2)	VCI (Virtual Channel	
	Identifier): Virtual channel	
	between two points in the	
	ATM network. Its value	
	ranges 32 ~ 65535 (1 ~ 31	
	are reserved for the	
	well-known protocols).	

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3) Service category: Selecting
one from five available
service categories.
4) Enable Quality of Service
(QoS): check to enable it.

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PPPoA mode

1) Select "PPP over ATM	Connection Type
(PPPoA)".	Salact the type of natural protocal for IP over Ithernat as WAM interface © IFF over AIM (ITTeA)
Encapsulation Mode:	O III ever Ithernet (III'el)
VC/MUX	HAC Encouralation Resting (MED) If over AIM (Ifak)
LLC/ENCAPSULATION	O Bridging
Once you select one mode,	Encepsulation Bode
the system automatically	WC/MDX 💌
changes the encapsulation	Back Hart
mode into the one	
matching your setting.	
Therefore, it is	
recommended to keep the	
default setting unchanged.	

- Tenda
- 2) Click "Next" to display the window shown in the right figure.
- a. Authentication Method: AUTO/PAP/CHAP/MSCHAP . Usually, "AUTO" is selected.
- b. Dial on demand:
 If you check this option, you need to manually enter the timeout time. If no flow is detected when the timeout time is up, the device will disconnect the network connection automatically. And when a flow is detected, the device automatically makes dial-up connection again.
 If you disable this option,

the device is always in online status until device power-off, connection failure or other failures occur.

PPP Usemane		tende@163.gd	
PPP Paseword:			
Authentication Met	hod	AUTO	¥
Dial co. dema	sd (with idle timeou	t timet)	
Inactivity Timeout	(manuteo) [1-4320]:	50	1
PPP IP extens	rion.		
Use Static IP	Address		
P Address	25,25,63	82	
🗌 Retay PPP pe	ervord on authenti	ration error	
1			
k Next			
k] [Next]			
K Nest			
8 Ned			
k Nest			
k Next			
E Nest			
8] [Nest]			
8] Nest			
E Nest			
k) Nost			
k Not			
k) Need			
k Neet			
8) Neet			
k) [Neef]			
k) Neet			
k) [Meet]			
k) Neot			
k) [Next]			
k) Neet			
k) Neot			
k) Neor			

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C. PPP IP extension:	
When the integrated	
gateway is connected with	
a computer, the IP address	
obtained through the	
upstream link is directly	
allocated to this computer	
connecting with the	
device. After the PPP IP	
extension is enabled, you	
can enable the advanced	
DMZ. At this time, you	
need to enter your DMZ	
host and subnet mask.	
d. Use Static IP Address:	
After this option is	
checked, the device uses	
this IP address as the WAN	
IP address and does not	
need to obtain it through	
the upstream link.	
e. Retry PPP password on	
authentication error	
f. Enable PPP debugging	
mode.	

3)	Click "Next" to display the	Enchle IOBP Bulticast.	and TAS Service
	window shown in the right	Inshie IGMF Multicest	
	figure.	Enable HAN Service Service Hane	pppoa_8_35_1
a.	Enable IGMP Multicast:		
	IGMP agent. For example,	[Fuck] Feat	
	to enable the IPTV in the		
	PPPoE mode, you need to		
	check this option.		
b.	Enabled WAN Service:		
	Checked by default. It is		
	recommended to keep this		
	default setting, unless you		
	do not need to activate		
	your WAN.		

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 Click "Next" to display the window shown in the right figure. This window shows the general information set. 	337. WE / VCI: Creaction Type: Service Twee: Service Colorgy: IP Address: Service State: Service State:	ar match the settings provided by your 0 / 26 1779A 1979-4 108 6 107.22.9 108 10.032.6 1
5) Click "Save/Reboot" to activate your settings.	810181018	en configured and is rebesting use waiting 35seconds

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PPPoE mode

 Select "PPP over Ethernet (PPPoE)".
 Encapsulation Mode: VC/MUX LLC/SNAP-BRIDGING Once you select one mode, the system automatically changes the encapsulation mode into the one matching your setting. Therefore, it is recommended to keep the default setting unchanged.

Select the type of network protocol for IP over Ethernet as FAN interface
O TIT over AIM (TTTA)
. FFF over Ethernet (FFFeE)
O BAC Enceptulation Routing (MER)
O IF over ATH (IFeA)
O Bridging
Enceptulation Bode
LLC/SMAP-BRIDGING 🐱

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- Click "Next" to display the window shown in the right figure.
- Authentication
 Method:
 AUTO/PAP/CHAP/MSC
 HAP. Usually, "AUTO" is selected.
- Dial on demand: b. If you check this option, you need to manually enter the timeout time. If no flow is detected when the timeout time is up, the device will disconnect the network connection automatically. And when a flow is detected, the device automatically makes dial-up connection again. If you disable this

provided to you.	CARS DELOW, FAIRT LA	e user name and password that your ISP has
PPP Usemane:		tenda@163.gd
PPP Pasewood:		
PPPoE Service Nam	 	
Authentication Met	hod:	AUTO
Dial on demas	d (with idle timeout	(timer)
Inactivity Timeout	minutes) [1-4320]:	50
PPP IP extend	ion.	
Use Static IP IP Address	Address 51,219,6	
	seword on authentic France Detwen W	ation enter /AN and Local Ports (Default Enabled)
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option, the device is always in online status until device power-off, connection failure or other failures occur. c. PPP IP extension: When the device is connected with a computer, the IP address obtained through the upstream link is directly allocated to this computer connecting with the device. After the PPP IP extension is enabled, you can enable the advanced DM7. At this time, you need to enter your DMZ host and subnet mask. d. Use Static IP Address: After this option is checked, the device

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	uses this IP address as
	the WAB IP address and
	does not need to obtain
	it through the
	upstream link.
e.	Retry PPP password on
	authentication error
f.	Enable PPP debugging
	mode.

8) Click "Next" to display	Footle 100P Balticent, and TAX Survive.
the window shown in	Enable 2009 Sulticast 🕑 Enable SAS Service 😥
the right figure.	Service Base popoe_0_30_1
a. Enable IGMP Multicast:	Buck Buct
IGMP agent. For	
example, to enable the	
IPTV in the PPPoE	
mode, you need to	
check this option.	
b. Enabled WAN Service:	
Checked by default. It	
is recommended to	
keep this default	
setting, unless you do	
not need to activate	
your WAN.	

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	#AR Setup - Summary.		
	Hole over that the sattings below eatch the sattings provided by your 127.		
8) Click"Next" to display	WFI / HCE:	8 / 35	
o) Chek Next to display	Connection Type:	111-4	
the window shown in	Service Nume:	m++,J.,S.,I	
the whoow shown in	Service Category	188	
	IF Address	51.219.65.7	
the right figure. This	Service State	Tashled Tixahled	
	Firmall	Tisshled Tisshled	
window lists your	1007 Bulticest	Inshied	
,	Quality Of Service	Disabled	
	Buck Swa/Labort		
	EIL Beater Bekest		
8) Click "Save/Reboot" to activate your settings.	000000	m entrigered and in rehering	

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MER mode

1) Select "MAC	Connection Type
Encapsulation	Select the type of network protocol for 37 over Ethernet as HAN interface O 277 over AIM 072ca)
Routing(MER)".	○ 779 over Ithermet (07Pol)
Encapsulation Mode:	 MAC Encapsulation Routing (MER) IF even ATM (IFoA)
VC/MUX	O drideine
LLC/SNAP-BRIDGING	Encapsulation Hode
Once you select one	LLC/SNAP-BRIDGING 🐱
mode, the system	Back Bart
automatically changes	
the encapsulation	
mode into the one	
matching your setting.	
Therefore, it is	
recommended to keep	
the default setting	
unchanged.	

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- 2) Click "Next" to display the window shown in the right figure.
- a. Obtain an IP address automatically: If your device automatically obtains the IP address, the IP address and other parameters will be from your ISP automatically.
- b. Use the following IP address:

To manually specify an address, you need to check this option and enter your static IP address and subnet mask.

 c. Obtain default gateway automatically: If this option is checked, the device automatically obtains

	WAN IP Settings
Enter information provided to yo	to by your ISP to configure the WAN IP settings. PVC in MER mode or IP over Ethernet as WAN
	automatically" is chosen. Changing the defealt gateway or
he DNS effects the whole syster	m. Configuring them with static values will disable the
stomatic sarignment from DHC	
f you configure static default gat P address of the remote gateway optional.	seway over this PVC in MER mode, you must enter the yin the "Use IP address". The "Use WAN interface" is
 Obtain an IP address automa 	sticsDv
Use the following IP address	
VAN IP Address	
VAN Subnet Mask:	
Obtain defeult geteway auto	mationDer
Use the following default gat	
Use IP Address:	
Use WAN Interface	pppon_8_35_1/ppp_8_35_1 **
Obtain DNS server addresse	a subsection flat
Outain DRS server addresse Use the following DRS server	
Primary DNS server:	
Secondary DNS server	

Tenda

	the default gateway
	address from the
	upstream device.
3)	Use the following
	default gateway: To
	manually enter a
	gateway, check this
	option.
a.	Use IP Address:
	After checking "Use the
	following default
	gateway", you can enter
	a value here.
b.	Use WAN Interface:
	For the broadband
	access device, you
	need to enter the IP
	address of the
	downstream link
	interface.
4)	Obtain DNS server
	address automatically:
	If this option is
	checked, the device

Τ

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	automatically obtains		
	the DNS address.		
5)	Use the following DNS		
	server address:		
	To manually enter a		
	DNS address, check		
	this option.		
a.	Primary DNS server		
b.	Secondary DNS server		
6)	Click "Next".	Enable JOBP Bulticast, as	d 113 Service
a.	Enable IGMP	Enable IGHF Multicant Enable WAH Service	
	Multicast: IGMP	Service Nume	ner_8_35
	agent. For example,	Buck Beat	
	to enable the IPTV in		
	the PPPoE mode, you		
	need to check this		
	option.		
b.	Enable WAN Service:		
	Checked by default. It		
	is recommended to		
	keep this default		
	setting, unless you		
	do not need to		

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activate your WAN.	
 Click "Next" to display the window shown in the right figure. This window lists your settings. 	File Strate File some that the settings halo match the settings provided by your File some that the settings halo match the settings provided by your FILE / VET: 0 / 30 Consertion Type: NL Service Sates: NL Service Sates: Numerically Ansigned Service Sates: Numerically Ansigned Service Sates: Numbed Service Sates: Number Sates: Service Sates: Number Sates: <
8) Click "Save/Reboot" to activate your settings.	BEL Rooter Robert The EL Rooter has been onfigured and is rebesting Rebooting please waiting Wiseconds

Tenda

IPoA mode

1)	Select "IP over ATM	Connection Type
	(IPoA)".	Select the type of no
	Encapsulation Mode:	 777 ever ATR 077 777 ever Ethernet
	VC/MUX	BAC Enceptulation If over ATM (If of
	LLC/SNAP-ROUTING	O Bridging
	Once you select a mode,	Inceptulation Bod
	the system automatically	LLC/SNAP-BOUTING
	changes the	Inck Nut
	encapsulation mode into	
	the one matching your	
	setting. Therefore, it is	
	recommended to keep	
	the default setting	
	unchanged.	

O TTT ever ATR (277+A)
O 177 ever Ribernet (277-8)
RAC Encapsulation Routing (HEE)
S IF over ATM (IFeA)
O Bridging
Inceptulation Sole
LLC/SRAP-BOUTING

Tenda

2)	Click "Next" to display
	the window shown in the
	right figure.

- a. WAN IP Address: Enter the IP address provided by your ISP.
- WAN Subnet Mask:
 Enter the subnet mask
 provided by your ISP.
- c. Use the following default gateway: You can check this

option.

- d. Use IP Address: Enter the IP address provided by your ISP.
- e. Use WAN Interface: For the broadband access device, you need to enter the IP address of the downstream link interface.
- Use the following DNS server address:

	ed to you by your ISP to configure the WAN IF
settings.	
Notice: SHCP is not suppo	rted in IFoA mode. Changing the default gates
	ole system. Configuring them with static val- c arsignment from other VAN connection.
will driable the automati	c arrightent from staar too connection.
WAN IP Address:	61.215.66.7
VAN Subnet Bask:	255, 255, 255, 0
Use the following de Use IF Address:	efault gateway: 61.215.66.7
Use MAN Interface	
Use the following D	IS server addresses
Primary DRS server	
Secondary DBS server:	192, 188, 0, 1
Rent.	

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	You can check this
	option.
a.	Primary DNS server
b.	Secondary DNS server
Ca	ution: In the IPoA mode,
	DHCP is not supported,
	so you need to manually
	enter the WAN IP
	address, subnet mask,
	default gateway, DNS
	server and other settings.

Tenda

4)	Click "Next".	Settings - Backup	
a.	Enable NAT:	Betwork Address Translation S	ettings
	NAT enables multiple		MAT) allows you to thare one Wide Area multiple computers on your Local Area
	computers in your LAN	Inable MAT Enable Firewall	
	to use the same WAN IP	Enable Firevall	
	address for Internet	Enable IGBP Bulticast, an Enable IGBP Bulticast	4 TAB Service
	access. It is	Enable WAR Service	
	recommended to check	Service Bane:	ipo8_8_35
	this option.	Back Next	
b.			
D.			
	It is recommended to		
	check this option to		
	avoid some attacks.		
с.	Enable IGMP Multicast:		
	IGMP agent. For		
	example, to enable the		
	IPTV in the PPPoE mode,		
	you need to check this		
	option.		
d.	Enable WAN Service:		
	Checked by default. It is		
	recommended to keep		
	this default		
	setting,unless you do		
	not need to activate your		

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WAN.	

7	Pr	nd	a
			u

	Hake sure that the settings belo ISP.	or watch the settings provided by your	
	AAI \ ACI	8 / 35	
to dicular	Connection Type:	IPeA	
to display	Service Buse:	12+4_0_35	
	Service Category	128	
hown in the	IP Address	61.215.66.7	
	Service State:	fnabled	
his window		Inabled	
	Firmall	faabled	
inas		Enabled	
	Click "Southlatest" to sove these sattings and relevant restor. Click "bolk" to also any confidentions. NET: The configentian process them about 1 mignate to complete and your HEL Restor will relevant. Satth Environment		
eboot" to	BSL Reuter Reboot		
	The DSL Router has be-	en configured and is rebosting.	
settings.	Rebosting ple	ase waiting 35seconds	
	to display hown in the Fhis window ings. eboot" to settings.	to display hown in the This window ings. boot" to settings.	

Tenda

Bridging mode

1) Select "Bridging".	Connection Type
Encapsulation Mode: VC/MUX LLC/SNAP-BRIDGING Once you select a mode, the system automatically changes the encapsulation mode into the one matching your setting. Therefore, it is recommended to keep the default setting unchanged.	Salest the type of matrixek protocol for IP over Ethernat in HM interface () fff over ADM 2070ab) () fff over ADM 2070ab) () Ho cone ADM 207ab) () Ho cone ADM 207ab) () Horizant Interface Int
 Enable Bridge Service: To select the bridge mode, you need to check this option. By default, this option is checked. 	Reich - Soing Headlert the shock has believ to disable this FAH service Isable bridge Service: Service Fea: Back Sect Fack Sect

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	TAN Setup - Summery	and the second
	Make sure that the settings bal ISP.	or match the settings provided by your
2) Click "Nove" to display	NPI / NCI:	0 / 35
3) Click "Next" to display	Connection Type	Bridge
	Service Hune:	lw_0.25
the window shown in	Service Category:	103
	IF Address	Net Applicable
the right figure. This	Service State:	Enabled
<u> </u>	SAT	Disabled
window lists your	Firmall	Disabled
window lists your	1007 Bulticest:	Not Applicable
settings.	Quality Of Service	Disabled
	your Bil Boster will rebost. Back Save/Rebost	
	EL Bester Brinst	
4) Click "Save/Reboot" to activate your settings.	The DIL Bouter Jan b	em configured and is relating

5.2.2 LAN

Tenda

1). IP Address: IP address	Advanced Setting -	LAN	
used by the router to	only saves the LAN o		sk for LAN interface. Save button button saves the LAN configuration tion effective.
connect to the LAN.	IP Address.	192.168.1.1	
	Submet Musik	255.255.255.0	
This option is set to	 Standard Mode Blocking Mode 		
192.168.1.1 upon			
device delivery. You	Configure the seco IP Address Subset Mask	nd IP Address and Subset Mask 192 168 0.1 255 255 255 0	. for LAN interface
can change it as	Save Save/Rebool	1	
required.			
Caution: After changing			
this IP address, you			
need to use the new IP			
address to access the			
Web management			
window upon next			
login to the router. In			
addition, you must set			
the default gateway in			
each computer in your			
LAN to this IP address,			
to ensure normal			
Internet access.			
2). Subnet Mask: Setting			

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your subnet mask.	
3). Enable IGMP Snooping:	
Used in the bridge	
mode.	
4). Standard Mode	
5). Blocking Mode	
6). Configure the second IP	
Address and Subnet	
Mask for LAN interface.	
	151. Repter Robert
Click "Save/Reboot".	The BSL Broker has been configured and is rebusting.

Tenda

5.2.3 NAT

5.2.3.1. Virtual Server

1) Click "NAT" \rightarrow "Virtual Server" to display the window shown in the right figure. Here, you can add or delete your virtual server settings. By default, the external networks cannot access the IP address of your internal network. However, if you need such access by the external networks (for example, you need to set up the server or support some special applications), you should enable this function to allow the access by external networks.



2)	Click	« "Add" to display
	the	window shown in
	the ri	ght figure.

- a. Select a Service:
 Selecting the service to be enabled.
- b. Custom Server: Manually entering the server name.
- c. Server IP Address: LAN IP address for the server.
- **Caution**: After a service is selected, the system automatically opens the corresponding port. After you manually enter a customized service, you need to manually enter the port to be opened.

Salest Science FIP Server Counting Server The Server S	© Salet Service PTP Server Counto Servic IN2.1061.100 Servi 7P Addres Emers/Put 2ter Emers/Put 2ter TOP v Remaining number	of entries that can be	casigura	41		32	
O Datas Server Server 2P Addreser Total Server Server 2P Addreser Total Server Brensifiert Dat Total Prot Part Total Part Part Part Total Part Part Part Part Part Part Total Part Part Part Part Part Part Part Part	Outsource Server 192.166.1100 Server 2P Addrese Server/Server Interval Port Server EmmaPrint Server TCOP w 21 71 21 TCOP w 21 71 71 100 TCOP w 21 21 71 100 TCOP w 21 21 21	Server Name					
Serve IP Addees: 1922 1681 100 Edensia Puri Ede Topes ive Brenca Puri Ede Renca Puri Ede 21 TOP V 21 21 21 1 TOP V 21 21 21 21 1 TOP V	Serve IP Address 1122.1081.100 Exema Port Serve Exema Port Serve Remark Port Serve Remark Port Exel 21 TCP V 21 11 21 TCP V 21 11 1 TCP V 11 11		FTP Server	-			~
Encodirer (see a function of the see and the sec and th	Enneral Pur Site Enneral Pur Site Internal Pur Site Internal Pur Site Internal Pur Site 21 TCP V 21 21 1 TCP V 21 21 1 TCP V 1 1					-	
Emergination Protein Interaction to the service of the	Emergination Dense Dense/hor 300 Dense/hor 300 Dense/hor 300 21 11 CCP 12 11 12 21 TCP 10 12 12 12 1 TCP 10 12 12 12	Secret IP Address:		192.1	68.1.10	0	
11 407 11 13 14 1 4 407 1 1 1 1 4 4 1 1 1 4 4 1 1 1 4 4 1 1 1 4 4 1 1 1 4 4 1 1 1 4 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 407 11 15 1 4 407 1 1 1 1 4 407 1 1 1 1 7 9 4 1 1 1 1 7 9 4 1			Savel	Acole		
ТСР ¥ ТСР ¥ ТСР ¥ ТСР ¥ ТСР 4	TCP W TCP V TCP W TCP W TCP V			Panto		Internal Port Start	Internal Port End
Y 407 TOP 4	v 407 TOP v	21	21	TCP	*	21	23
ТСР И ТСР И ТСР И ТСР И ТСР И ТСР И	ТСР И ТСР И ТСР И ТСР И ТСР И ТСР И			TCP	Υ.		
ТСР и ТСР и ТСР и ТСР и ТСР и	ТСР и ТСР и ТСР и ТСР и ТСР и	ð - 11		TCP	٣		
TOP TOP TOP TOP TOP TOP	TOP TOP TOP TOP TOP TOP	13		TCP	~		- 1
TCP • 1	TCP •			-	~		
TOP ¥	TCP ¥				3		
TCP 💌	TCP 💌				×.		
					×		
TOP	TCP ×				×		
				TCP	×.		

Tenda

d. Click "Save/Apply" to display the service added, as shown in the right figure.

Serve Page	Errori Port Dat	Extensi Fort Eul	Patenii	Internal Post Dark	Internal Post End	Served IP Address	Inter
FTF Jarren	2		707	28	21	1513481398	0
FTT Server							

5.2.3.2 Port Triggering

 Click "Port Triggering" to display the window shown in the right figure. Here, you can add or delete your port triggering service settings.
 For some special applications, you need to enable some application ports. Through the port triggering, you can enable the automatic opening of the ports required by applications.

Fort Surger Speaking connection to a passing workfields per connection configurat	its upon up the "its	erts is the Bester's on Forts' is the fice higgering forts'. The director on the LMF o	will ober an applied Bratur allows the	ation in the LM in rando party from t	An REF side to
Apploints		hian		19-10	Sec.11
Part	(Destand)	Fort Swips	Protocol	Fort Respo	
		Diait Bal		Diat. Bo	4

2)	Click "Add" to display the		BAT Pe	et frigge	ine					
	window shown in the right figure.		plications recall be et setting reating yes	tions such and others spaned for s from this r own Gust sucher of	require U scream by scream by a applica	hat up the up xale: tion)a	weific pu plication ting an a ad click	rts in the s. Tow can sisting ap "Sara/Appl	Bester's configue plication y' to add	e the
			plication 1	fana:						
a.	Select an application:	i.		t an applics e applicatio		QUIC	RTime 4	Client	_	
	Selecting the name of				-	nu/Aq	-			
	the service to be		Start	Trigger Fort Rod	Trigge Protoco		Open Port Start	Open Per End 32000	Drvt UDP	
			54	554	TCP	•	1970	1000	TCP/S	UP -
	enabled.				TCP TCP	* *			1CP 1CP	2 2
b.	Custom application:				TCP TCP	* *			1CP 1CP	2. 2
	Manually entering the				TCP TCP	2 2		-	1CP TCP	3 3
	service name.		e/Apply							
Ca	ution: After a service is									
	selected, the system									
	automatically sets the									
	corresponding port. After									
	you manually enter a									
	customized service, you									
	need to manually enter									
	the port to be triggered.									
3)	Click "Save/Apply" to	See See	d Datting	ere that specific ire specific to ' party using the	porto co tão Bo Sen Forta" in t Tragoring Port	etter a f	iterali te que di che a que factor di ce i	ad for arran to District on the De courts party	r the number 148 (sectories from the Red	perton c. 52/der sole to
	display the service added,		Application		Trigger		n and 10 1	in test i ka		Rature.
	as shown in the right		Barr Dans & The	Proton	i fan Start	heer he	Devised	Bart Diset	heep het	
	-		fan i fij	10	104	-	10.768	-	1000	0
	figure.	(*******								

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5.2.3.3 DMZ Host

 Click "DMZ Host" to display the window shown in the right figure. 	NOT HOLE Rest The BEL restor will forward HF peakets from the NM that do not belong to any of the applications configurate in the Virtual Servers table is to ME hast compare. Bater the comparise's HF address and click "Apply" to extirvite the DME here. Clicer the JF address field and click "Apply" to descrive the DME here. ME Next IF Address:
2. DMZ Host IP Address:	NAT DMZ Heet
Entering the LAN IP	The DGL router will forward IP packets from the WAM that do not belong to any of the applications configured in the Virtual Servers table to the DMZ host computer.
address for the DMZ	Exter the computer's IP address and click: 'Apply' to extract the DMZ host Clear the IP address field and click: 'Apply' to destinate the DMZ host. DMZ Host IP Address [192:160.100]
host.	LINE 100-100
Caution: Opening DMZ	Save/Apply
means to open all	
ports. In this case,	
your computer is	
totally exposed to the	
public network. Be	
cautions to use this	
function. Click	
"Save/Apply" to	
activate the settings.	

5.2.3.4 UPNP

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1) Click "UPNP" to display	Advanted Setting - ME - WWF
the window shown in the	🖂 Kaalla 1922
right figure. Enable	Sure/App3y
UPnP: Check to Enable	
the UPnP (Universal Plug	
and Play) function.	
UPnP is a kind of	
architecture of common	
network connection	
between the computer	
and intelligent	
devices/instruments. It	
is especially common in	
the family application.	
Based on the Internet	
standards and	
technologies (such as	
TCP/IP, HTTP and XML),	
UPnP enables automatic	
connection and	
cooperation between	
such devices, thus to	
make more people can	

us but fut have

Tenda

access the network
(especially the family
network).
Click "Save/Apply" to
activate the settings.

5.2.4 Security

5.2.4.1 IP Filtering

 Click "Security" → "IP Filtering" to display the 	Source of a Support IP Descendence Source of a Support IP Descendence Source of a Support IP Descendence Generative Annual Descendence Ration Res. Ration Res. Descendence Descendence Ration Res. Descendence Descendence
window shown in the	att (here)
right figure.	
By default, all	
outgoing traffic is	
allowed. However,	
you can set IP filtering	
to restrict external	
network access by	
some computers in	
the internal network.	

Tenda

- 2) Click "Add" to display the window shown in the right figure.
- a. Filter Name: Setting the filtering name to facilitate identification.
- b. Protocol: Selecting one from four available protocols: TCP/UDP; TCP; UDP; ICMP.
- c. Source IP address: Entering the internal network IP address to be filtered.
- d. Source Subnet Mask: Entering the subnet mask corresponding to the internal network IP address to be filtered.
- e. Source Port: Entering the port number of the internal network IP address to be filtered.

activale the filter.		
liter Name.	tende	
losotor	TCP/UDP	
ource IP address:	192.168.1.100	
ource Subnet Mask	255 255 255 0	
ource Part (part or part part):	1500	
Nestination IP address:	218.77.85.9	
Destination Subnet Mark	255 255 0.0	
Sestination Fort (port or port port)	80	
er/apply	00	

Tenda

f.	Destination IP
	address: Entering the
	external network IP
	address to be filtered.
g.	Destination Subnet
	Mask: Entering the
	subnet mask
	corresponding to the
	external network IP
	address to be filtered.
h.	Destination Port:
	Entering the port
	number of the
	external network IP
	address to be filtered.
	Based on the above
	settings, you can add
	your filtering rules.
	You can select your
	WAN interface.
	However, it is
	recommended to
	keep the default
	setting unchanged.

3)	Click "Save/Apply".	Normal Specific of Length Truth House State of Lange Truth House HERCEED by unity on the sector of the company? Then: Normal Main Amount on Specific of Lange Truth House Specific of Lange Truth House T
4)	Click "Incoming" to	Investig located V (United View) Monte in the View State of the State of t
	display the window	en akazeren e erning ar scene. Henne hat er heren to scalage enneng 19 filmes. Friem fam (Helle) hennes (henne akkeur / Kahl, henne her (her, akkeur / Kahl, here, here, jhenne
	shown in the right	THE NEW
	figure.	
	By default, all	
	incoming traffic is	
	restricted. However,	
	you can set IP filtering	
	to allow internal	
	network access by	
	some external	
	computers.	

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- Tenda
- 5) Click "Add" to display the window shown in the right figure.
- a. Filter Name: Setting the filtering name to facilitate identification.
- b. Protocol: Selecting one from four available protocols: TCP/UDP; TCP; UDP; ICMP.
- Source IP address:
 Entering the external network IP address to be filtered.
- d. Source Subnet Mask: Entering the subnet mask corresponding to the external network IP address to be filtered.
- e. Source Port: Entering the port number of the external network IP address to be filtered.

Add IP Filter - Incoming

The screen allows you to create a filter rule to identify incoming IP traffic by specifying a	
new filter name and at least one condition below. All of the specified conditions in this filter	
rule neart be satisfied for the rule to take effect. Click 'Save/Apply' to save and activate the filter.	

Filter Name	tendo			
Protocol	TOP/UDP			
Source IP address	218.77.87.8			
Source Subset Mark:	255.255.0.0			
Source Port (port or port port)	80			
Destination IP address:	192.168.0.100			
Destination Subnet Mask	255.255.255.0			
Destination Fost (port or port post)	1500			

WAN Interfaces (Configured in Routing sade and with firwarll enabled only) Select at least one or multiple WAN interfaces displayed below to apply this rule.

pppoe_8_35_1/ppp_8_35_1

Save/Apply

f.	Destination IP
	address: Entering the
	internal network IP
	address to be filtered.
h.	Destination Subnet
	Mask: Entering the
	subnet mask
	corresponding to the
	internal network IP
	address to be filtered.
i.	Destination Port:
	Entering the port
	number of the internal
	network IP address to
	be filtered.
	Based on the above
	settings, you can add
	your filtering rules.
	You can select your
	WAN interface.
	However, it is
	recommended to keep
	the default setting
	unchanged.

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	Hearing Rowson, D. F. Ministra, Yuno, Application, Big among P. 2010, Ran Bin N. Kalada dan Se Konadi se antick. Name, Yan D. Yudiri ya: Se Watta Se Name a Watta. Home Mit & Bann Se antipper second pf. Elibert
5) Click "Save/Apply".	Fillow W2PE2 Inversible Descension Descension
s, ener sure, ippi,	tunda 40. 10.2700 01.00 / 00.00 / 000 00.00
	100 kmm

5.2.4.2. Parent Control

 Click "Time of Day Restriction" to display the window shown in the right figure. 	Proving - Marcel (MgC Strategies) And State (MgC Strategi
2) Click "Add" to display the window shown in the right figure. Here, you can set a specific period to restrict Internet access of a MAC address.	There will have interest in the a special LMM device sensented to a special characterization of the difference interest inter

Tenda

		Security -	Task of the destination	 -	- 12	-	-				
		Rectare	*	(Tan)	8.0	the .	ħi.	Sai .	la la	Dep	Battre
3) Click "Save/Apply".									12-00	D	

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5.2.5 Routing

5.2.5.1 Default Gateway

1) Click "Routing" \rightarrow "Default	Advanced Setting Reuting Befuilt Galaxap
Gateway" to display the	If Enable Automatic Assigned Default Gateway checkbox is selected, this router will accept the first received default gateway assignment from
window shown in the right	one of the FPF-A, FPF-E or MERINE? enabled PVC(s). If the checkloss is not subletted, enter the static default gateway AND/OR a TAN interface. Click 'Save/Apply' button to save it
figure.	BUTE: If charging the Automatic Arrigned Default Gateway from unselected to selected. Tou suit reboot the router to get the automatic anzigned default gateway.
Enable Automatic	🕑 Enable Automatic Anniqued Default Gateway
Assigned Default Gateway:	
You can check/uncheck	Save/Apply
this option. If you uncheck	
this option, you need to	
manually enter the default	
gateway address and WAN	
service. It is recommended	
to keep the default setting	
unchanged.	
2) Click "Save/Apply".	

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5.2.5.2 Static Routing

 Click "Static Route" to display the window shown in the right figure. Here, you can add/ delete the items of the static route. 	Advensed Setting — 3 Renting — Static Lente Dectination School 9 Add Lance	(A maximum 32 matrics can be configured)			
1) Click "Add" to display	Routing Static Route Add				
the	Enter the destination network address, subnet mask, gateway AND/OR available WAN interface then click "SavelApply" to add the entry to the routing table.				
window shown in the		······			
right figure.	Destination Network Address:	192.168.0.1			
Destination Network	Subnet Mask:	255.255.255.0			
Address: Entering the	🗹 Use Gateway IP Address	192.168.1.101			
network or host for	Use Interface	pppoe_8_35_1/ppp_8_35_1			
static route.					
Subnet Mask: Entering	Save/Apply				
the subnet mask					
correspond- ing to the					
network or host for					
static route.					
Use Gateway IP					
Address: Entering the					

Tenda

gateway address to be	
passed by the static	
route.	
Use Interface: Selecting	
the interface	
correspond- ing to	
your connection mode.	
Click "Save/Apply".	

5.2.6. DNS

5.2.6.1 DNS Server

1) Click "DNS Server" to	Advanted Setting - 105 - 105 Server
display the window shown	If 'Enable Automatic Annipol 200' checkbox in selected, this router will accept the first received BUS annipolate from one of the TFDA, TFTG-4 WEXUNEY model FYC(1) dowing the remarketion artibilities. If
in the right figure.	the checkbox is not selected, enter the primary and optional secondary DWC server IP addresses. Click 'Save' betten to save the new configuration. For wait-related the reverts to address the new configuration.
2) Enable Automatic	offerium Emaile Automatic Annigued INE
Assigned DNS: After	
checking it, the DNS	[Swe
settings are activated. And	
the DHCP server of the	
router allocates the added	
DNS address to the client	
	submitting the request.
----	---------------------------
3)	Primary DNS server:
	Entering the DNS address
	provided by the ISP.
4)	Secondary DNS server: If
	your ISP provides two DNS
	addresses, you can enter
	the other address here.

5.2.6.2 Dynamic DNS

Tenda

Ten	da

1)	Click "Dynamic DNS" to	15
	display the window	
	shown in the right	
	figure. Here, you can	
	add/ delete the	
	dynamic DNS settings.	Ad
	Dynamic DNS can make	
	your applied domain	
	name correspond to	
	your IP address, so that	
	the other users only	
	need to remember your	
	domain name for	
	accessing your server.	

				wi you to a		
				ie hostnam g your DSL		
	to be more	e estily a	ccerred f	ron various		
	locations	on the In	ternet.			
	Choose Add	l or Remov	e to conf	igure Dynae	ic DNS.	
	Mostname	Username	Service	Interface	Eanove	
	1				1	
Add Renove	1					

- Tenda
- 2) Click "Add" to display the window shown in the right figure. D-DNS provider: Selecting a specific provider of dynamic DNS. Hostname: Domain name applied by you. Interface: Selecting one from two available interface modes. Username: Your user name registered on the website of the dynamic DNS provider. Password: Password corresponding to your user name registered on the website of the dynamic DNS provider.

This page allows you t	a add a Dynamic IOSS address from DynIOSS arg or TZ
D-DNS provider	DynDNS. org 🐱
Hortname	tenda
Interface	pppoe_8_35_1/ppp_8_35_1 🛩
BynBHS Settings	
Username	lyd
Password	

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3) Click "Save/Apply".	Apply".
Hostname Utername Tervice Interface Ramove	
tanda 1yd dyndau pop_8_35_1	tanda lyd dyndna ppp_8_35_1

5.2.7 DSL

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Click "DSL" to display	Advanted Setting - MR
the window shown in	Silver the modulation balan. 🐨 G Dat Rabled
the right figure.	 O lits Enabled T1.413 Enabled
Here, you can enable a	ADG12 Enabled Ameni. Enabled
service as required. By	ADDIL+ Rabled Ammeni Rabled
default, the system	Saleet the modulation bales.
checks the status of	 Inner pair O buter pair
G.dmt, G.lite, T1.413,	Capability 🕑 Diterap India
ADSL2, ADSL2+,	🗌 SRA Roadle
AnnexL, Inner pair and	Saw/Apply Advanced Settings
Bitswap. The device can	
automa- tically	
negotiate with the	
upstream device.	

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5.3 DHCP

i.	Click "DHCP Server" to	DHCP S	ttings - DHCP Server			
	display the window		able DHCP Server ble DHCP Server			
	shown in the right	Start IP		1921	68.1.100	
	figure.	End IP	.ddress:	192.1	68.1.254	
1.	You can click "Disable	Leased	'ine (how):	one	uay 💌	
	DHCP Server" or	Save				
	"Enable DHCP Server".					
2.	Start IP Address: Start					
	address of the DHCP					
	server IP pool					
3.	End IP Address: End					
	address of the DHCP					
	server IP pool					
4.	Leased Time: Validity					
	period of the IP address					
	obtained. Click "Save".					
	Click "DHCP Client List"	DHCP S	tting DHCP ClientI	<u>ist</u>		
	to view the list of the			DHCP Lease	() () () () () () () () () ()	
	clients with allocated	Hostne	me MAC Address 00:04:61:4A:3C:24	IP Address 192.168.1.100	Expires In 23 hours, 59 minutes, 55 seconds	
	DHCP service.	<u></u>				

5.4 System Tool

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5.4.1 Settings

 Click "Backup" to display the window shown in the right figure. Here, you can back up the current settings of the router. 	Sprinn (sel - Softing - Barboy Buchop BEL rooter configurations. Too may save your rooter configurations to a file on your FC. Buchop Settings
2. Click "Update" to display the window shown in the right figure. Here, you can restore the router settings from the backup file.	System tend — Settings — Opdate Update BGL router settings. Too may update your router settings using your saved files. Settings File Home:

3.	Click "Restore Default" to display the window	System (sel - Setlings - Souther Setlect) Bastere ML rester satings to the factory defaults. Bestere befault Satings
	shown in the right	
	figure.	
	Click "Restore Default	
	Settings" to restore	
	the default settings	
	before device delivery.	
Cau	ition : After restoring	
	the default settings,	
	you need to reboot the	
	router to activate this	
	modification.	

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5.4.2 System Log

 Click "System Log" to display the window shown in the right figure. 	System Leel - System Leg The System Leg dialog allows you to view the System Leg and coefficient the System Leg options. Click "View System Leg" to view the System Leg. Click "Configure System Leg" to configure the System Leg options. View System Leg. Configure System Leg.
 Click "View System Log" to display the window shown in the right figure. 	System Log Data/Time Famility Severity Message Nafreak Close

 Click "Configure System Log" to display the window shown in the right figure.

Tenda

- (1) Log: Enable; Disable
- (2) Log Level: Selecting the required level, Debugging by default.
- (3) Display Level: Error by default.
- (4) Mode: Local by default. If you select "Remote" or "Local/Remote", the system transmits the log UDP packets to your log server. Click "Save/Apply".

wents. For the log_Lord, all senses alway or equal to the solated lards will be logged. For the highly Lord, all logged remuts above or equal to the solated lared will be displayed. If the solated where "Bant's "Joh," remuts will be sense the specified IT address and WF port of the remote synlag server. If the solated webs is 'Local' or 'Buck," events will be rearred in the local sensory. Solate the desired values and click 'Swer/Apply' to configure the system larg options. Log Obiable Obiable Log Loral IN Bode Donable Local V	level will be logged for the Bigley Level, all logged weats above a equal to the subscried level will be indirect if the siderics doed in "Banet" or 'Both," errors will be incured. If the sideric of the Bigley to the remote syndeg source. If the salected sode is 'Local' of 'Both," weats will be received in the local assess. Select the desired values and click 'Suve/Apply' to configure the system log options. Log Objective Disable Objective Log Level: Beroor Bigley Level: Beroor Local w Select	level will be lo		ill begin to log all the selecte
equal to the solucied level will be displayed. If the solucied sole is "Ensette" of "both, "events will be rear to the specified IP address and WF port of the resets synlag server. If the solucied sole is 'local' on "Buth," events will be recorded in the local assamy. Salect the desired values and click 'Saw/Apply' to configure the syntam log prime. Log Level: Bude OB mable OF mable Log Level: Bude Local w	equal to the subsected level will be displayed. If the relatest ode is "Smeart" of "Deth," events will be same to the precified IP address an UD part of the remote synlag server. If the subscied node is 'local' of "Both," events will be recorded in the local assory. Select the desired values and click 'Swea/Apply' to configure the synte log options. Log Obsahle OF Enable Log Level: Bodge Local V Bodge V Bodge V			
"Bank" or "Both," result will be rank to the specified H eddens and WD purt of the senter spills arrays. If the selected sole is 'Local' or "Both," events will be recorded in the local assay. Select the desired values and click 'Swe/Apply' to configure the system log options. Log (Disable Optionable Log Lavel: Debugging ♥ Bode: Local ♥	'Bant' or 'Buth' events sill be tent to the specified H siders an WD port of the rester syngle source. If the sidered sode is 'Local' of 'Buth' events will be recorded in the local assay. Select the desired values and click 'Sure/Apply' to configure the syste log options. Log Objects Biglay Level: Beto: Local w			
WF port of the remote syndag nerver. If the selected ords is 'Local' or 'Buth' events will be recorded in the local amory. Solart the desired values and click 'Sver/Apply' to configure the syntae log options. Log Loval: Objustle OF Rable Log Loval: Debugging v Bude Local v	WF port of the remote synlag server. If the selected node is 'Locd' of 'Buth' events will be recorded in the local assay. Schert the desired values and click 'Sows/Apply' to configure the synte log options. Log Covel: Biglay Level: Biglay Level: Bade: Local w			
'Both' events will be recorded in the local energy. Select the desired values and click 'Sere/Apply' to configure the system log system. Log Loval: Bebugging Bede: Local W	'Souh,' events will be recorded in the local assay. Select the denired values and click 'Sow/Apply' to configure the syste log sptions. Log Objects Ob			
Select the desired values and click 'Swe/Apply' to configure the system log options. Log Optimation (Swe/Apply' to configure the system log towal: Debugging v Biglay Level: Debugging v Rede: Local v	Select the desired values and click 'Swe/Apply' to configure the syste log options. Leg Objects Options Leg Level: Binglay Level: Bede Local W			
leg options. Leg Objectus Objectus Leg Level: Debugging V Bisplay Level: Error V Bade Local V	leg splinnt. Leg Obisable ®Emable Leg Leval: Debugging v Bisglay Leval: Error v Local v	Both, events w	ill be recorded in the 1	scal menory.
leg Levil: Debugging v Buglay Levil: Broor v Rede. Local v	Leg Levil: Despile © Eachle Leg Levil: Debugging v Buglay Levil: Error v Hede	Select the desir	ed values and click 'Sav	Apply' to configure the system
Leg Level: Debugging v Bisglay Level: Error v Bede Local v	Leg Level: Debugging v Bisglay Level: Error v Hede: Local v	lag options.		
Biylay Leval Error 🛛 Bele Local 🛩	Biglay Level: Error V Mede: Local V	Log O	Dinable	() Enable
Biylay Leval Error 🛛 Bele Local 🛩	Biglay Level: Error V Mede: Local V	Ing I amala	Debugging	
note local v	Rode: Local V		and a filling the stand of a filling of the	
10			the second se	
2xm/Apply	Sum/App3y		6	

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5.4.3 Internet Time

 Click "Internet Time" to display the window shown in the right figure. If you enable this function, the system can automatically obtain the time when accessing the Internet.

Sarad H7 time clock.rgv.hs.net y
Sara/Apply

Tenda

5.4.4 Access Control

5.4.4.1 Service

 Click "Access Control" to display the window shown in the right figure. You can enable or disable FTP/HTTP/ICMP/SNM P /SSH/TELNET/TFTP.
 Click "Save/Apply" to activate the settings

NIF Dadis Eads 2009 Fadis Fadis 2009 Fadis Fadis 2009 Fadis Fadis 2009 Fadis Fadis 200	NULL	-	
1997 C Inalis C Inalis IELET C Inalis IELET Salis I Inalis IFII Salis I Inalis		Enable Enable	Enable
THEFT IN Baals India 1979 India India 1979 India India	ICHP	E Enable	Enshle
ITT I India	2982	🗹 Enable	Ensble
	TELKET	🗹 Inable	Eashle
fam/appy	TPTP	Znahle	E Rashle
	feve/apply		

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5.4.4.2 IP address

(1) Click "IP Address" to	System test - Access General - 17 Address	
display the window	The IP Address Access Control mode, if smalled, permits access to local management services from IP addresses contained in the Access Control List. If the Access Control address is disadied, the system will not	
shown in the right	validate IP addresses for incoming packets. The services are the system applications listed in the Service Control List.	
figure. Here, you can	Arcess Cantrol Hode:	
add/delete items.	17 Adress Janere	
Access Control Mode:	Add Samere	
Enable; Disable. When		
you enable it, the IP		
address allowed can		
access the		
management page.		
(2) Click "Add" to display	Access Control - IP Address	
the window shown in	Eater the IP address of the management station permitted to access the local management services, and click 'ServiApply.'	
the right figure. You	IP Address: 192.168.1.100	
can enter an IP address,	Save/Apply	
which is allowed by the		
system for access- ing		
the management page.		
Click "Save/Apply" to		
activate the settings.		

Tenda

5.4.4.3 Password

(1) Click "Password" to display the window shown in the right figure. Here, you can modify the password for logging in to the Management page. Enter the former login password, and then the new login password. If the former login password is correctly entered, you can click "Save/Apply" to successfully modify the login password. Caution: For the sake of security, we highly recommend you to change the initial user name and password. (2) Click "Save/Apply" to activate the modification.

System tool - Arrent Conto	
The user name "admin" has uprestr configuration of your DSL Bouter.	inted access to change and view
The user name "support" is used to ISL Reuter for existenance and to	a allow an ISP technician to access your orus diagnostics.
The user name "user" can access t settings and statistics, as well	
Not the fields balow to enter up change or create passwords. Note:	to 16 characters and click "Apply" to Farmword cannot contain a space.
Access to your ISL router is con- whein, support, and user.	trolled through three user accounts:
Voersienel.	adain 💌
014 Password	
New Parryord:	
Confirm Password	
Seve/Apply	
Seve/Apply	
Sww/Apply_	
Sama Agg) y	
Sana Agg)y	
Sawa/Agg)y	
Sana Agg)y	
Sana Agg)y	
Śwołktychy:	
Śwołktych:	
Sovr/Apply.	
Sonriggly	

Step 1: Obtain an updated noftware image file from your EDF. Step 2: Enter the path to the image file location in the box below or click the "Browns" button to locate the image file.

Step 3: Click the "Update Seftware" button once to upload the new image

BUTE: The update process takes about 2 minutes to complete, and your HIL

Browze ...

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5.4.5 Software Update

 Click "Update Software" to display the window shown in the right figure. Click "Browse" to select your update file, and then click "Update Software".

5.4.6 Save/Rebo	oot
-----------------	-----

 Click "Save/Reboot" to display the window shown in the right figure. Rebooting device can activate the changed settings. However, the ADSL connection is automatically 	201. Rooter Robert The ISL Norter has been configured and is robesting. Manual Robecting.please waiting.35seconds
automatically interrupted before the	
reboot.	

612.

Router will reboot.

Software File Name:

Spdate Software

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Chapter 6 Appendix

Appendix 1: Troubleshooting

Trouble Case	Troubleshooting
Power Indicator Off	• Check if the power adapter is
	• Connected properly.
	• Check if the power adapter is matched.
	• Check if the ADSL cable connection is
	ОК.
ADSL Off	• Make sure the telephone line is OK
	you're your phone.
	• Check the phone line cabling is right.
LAN Off	• Check the Ethernet cable is OK.
	• Make sure the PC's NIC indicator is ON.
	• Make sure the NIC works normally.

Tenda

Can't access the Internet	•	Make sure the above troubles are clear. Make sure the dial-up connection is established and set up. Make sure the user name and password are right. If the dial-up is OK, please make sure the IE proxy server is configured properly.
•	•	properly. Please try opening multiple web pages

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Appendix 2: FAQ

- Q: What are VPI, VCI?
- **A:** VPI (Virtual Path Identifier) and VCI (Virtual Channel Identifier) are to identify ATM terminal (ADSL) for DSLAM, usually provided the local ISP.
- Q: What related parameters are required from your ISP?
- A: For dial user, Connection protocol, User name, Password, Value of VPI/VCI, Encapsulation mode and so on.
- **Q**: The firmware upgrade fails and I can't enter the Web-based management interface?
- A: Contact the technical engineer for support or after-sales service engineer.
- *Note:* please download the upgrade packets from the Tenda website.
- **Q**: Have completed all configurations, but can't dial through computer?
- **A:** 1) Check the indicator of ADSL, it should be working in normally.
 - 2) Check the accuracy of parameter of value of

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VPI/VCI, Encapsulation mode and so on.

3) Make sure the dial-up connection is established.

4) You can check whether your ADSL Modem

succeeds in connection through PING command.