TELEWELL TW-640

Firewall VPN DSL/Cable Router with 4-Port Switch

Quick Start Guide



For more detailed instructions on configuring and using the DSL/Cable IP-Sharing Router, please refer to the on-line manual.

This device is suitable for Elisa ADSL, Sonera Koti ADSL and many more system in which is needed PPPoE, DHCP client or Fixed IP.

Default settings:

DHCP client of TW-640 will take 1 IP address from ADSL operator with TW-EA701 modem.

DHCP server will share automatically 1 IP for workstations.

NAT protocoll is used as on default.

DHCP client has to be default in workstations.

TELEWELL TW-640 Features

SOHO firewall to automatically detect and block the DoS (Denial of Service) attack.

Security logging for hacker's attack with timestamp.

All PCs in a LAN can share the connection using one ISP account.

Support VPN (PPTP client or IPSec & PPTP pass through) to provide a secure Internet connection

Software DMZ host setting.

Web-based Firmware upgrade.

Web-based configuration and Management.

Remote configuration and management from WAN interface.

4 ports 10/100 Mbps N-way Ethernet Switch.

Automatic MDI/MDIX crossover for 100BASE-TX and 10BASE-T ports.

Support Fast Ethernet Switch Function.

PPP over Ethernet (PPPoE) support for DSL connection.

NAT for sharing single IP address

DHCP Server and Client.

DHCP server allocates up to 253 client IP addresses.

SNTP for getting network real time clock.

Internet applications such as Web browser, ICQ, FTP, Telnet, E-Mail, AoE, News, NetMeeting, Ping, mIRC, AOE, VDOLive Player, PCAnyWhere...

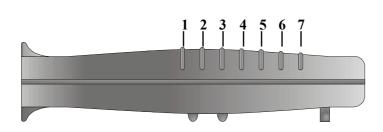
DNS relay.

Virtual server.

Rich packet filters

Support Windows 95 / 98 / ME / NT / 2000 / XP, Unix, and Mac.

The Front Panel LEDs



	LED	Meaning
1	Power	Lit green when AC power is connected.
2	LAN 1	
3	LAN 2	Lit green when connected at 100 Mbps.
4	LAN 3	Lit orange when connected at 10 Mbps.
5	LAN 4	Flashes when sending/receiving data.
6	WAN	Lit when connected to a WAN device. Flashes when sending/receiving data.
7	PPP/SYS	Lit green when using PPPoE.
/	rrr/818	Lit orange when system ready.

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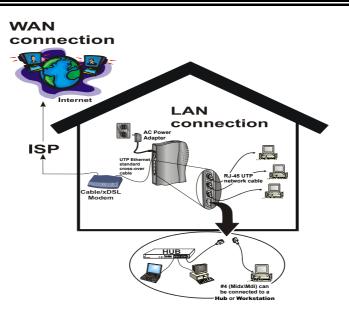
The Rear Ports

Power (jack)	Connect the supplied power adapter to this jack.	Power
Global (RJ-45 connector)	Connect an UTP Ethernet cable or crossover cable to this port when connecting to the Internet or making other WAN connections.	
Local 1- 4 (RJ-45 connector)	Connect an UTP Ethernet cable to this four ports when connecting to a LAN of 10Mbps or 100Mbps such as an office or home network.	

Connecting the TELEWELL TW-640

Refer to the following to connect the TELEWELL TW-640 to a WAN (Wide Area Network) and a LAN (Local Area Network):

- 1. Connect the TELEWELL TW-640 as shown below.
- 2. Power on the device.
- 3. Ensure the Power, LAN, and WAN LEDs are lit.



Configuring PC in Windows 95/98/ME

- 1. Go to Start/Settings/Control Panel. In the Control Panel double-click on Network and choose the Configuration tab.
- Select TCP/IP -> NE2000 Compatible, or any Network Interface Card (NIC) in your PC.

Network		? ×							
Configuration Identifica	ation Access Contro	1							
The following network components are installed:									
Pieronowing gework components are installed.									
WE 2000 Compatible NetBEUI -> Dial-Up Adapter									
NetBEUI -> DIaHUp Adapter NetBEUI -> NE2000 Compatible									
TCP/IP -> Dial-Up									
TCP/IP -> NE200									
📑 File and printer sh	aring for Microsoft Ne	tworks 💌							
<u>A</u> dd	Remove	Properties							
Primary Network Logo	n:								
Client for Microsoft N	etworks	•							
		_							
Eile and Print Sharing									
Description									
TCP/IP is the protocol you use to connect to the Internet and									
wide-area networks.									
		OK Cancel							

3. Select the **Obtain an IP address automatically** radio button.

CP/IP Properties		?
Bindings	Advanced	NetBIOS
DNS Configuration	Gateway WINS Conf	iguration (IP Addre
If your network d	n be automatically assigne oes not automatically assig ninistrator for an address, a	in IP addresses, ask
2 ^{° Obtain an I} Specify an	^o address automatically	
2 Sheen an	i ddaross.	
[P Address		
S <u>u</u> bnet Ma	isk:	
	01	< Cancel

- **4.** Then select the **DNS Configuration** tab.
- 5. Select the **Disable DNS** radio button and click **Ok** to finish the configuration.

CP/IP Properties		?
Bindings DNS Configuration	Advanced Gateway WINS Cor	NetBIOS
Disable DNS Enable DNS	ς	
Host	Dgmain:	
DNS Server Sea		Add Bemove
Domain Suffix Se		Add
	0	K Cancel

Configuring PC in Windows NT4.0

- 1. Go to Start/Settings/Control Panel. In the Control Panel doubleclick on Network and choose the Protocols tab.
- 2. Select TCP/IP Protocol and click Properties.

etwork Protoc	2003			
	X/SPX Compati	ble Transport		
NWLink Ne TCP/IP Pro				
Add	Bemove	Properties	Upder	
wea network.		emet Protocol. Th wides communica fks.		

7			
1			

Billion BIPAC-640 DSL/Cable IP-Sharing Router

3. Select the Obtain an IP address from a DHCP server radio button and click Ok.

Address DNS	WINS Addre	ess Ro	outing	
An IP address can by a DHCP server, ask your network a the space below.	If your netwo	ork does	not have a	DHCP serve
Adagter: I (your network ada	anter)			
Dbtain an IP	address from	a DHC	P server	
- C Specify an II	P address			
		2) 2)	-	
		2) 2) +:	-	
	97 .	2) 2) 2)	* *	
	97	2) 2) 25		Advanced.

Configuring PC in Windows 2000/Xp

- 1. Go to Start/Settings/Control Panel. In the Control Panel double-click on Network and Dial-up Connections.
- 2. Double-click Local Area Connection.
- 3. In the Local Area Connection Status window click Properties.

S Network Connections	
Ele Edit View Favorites Tools Advanced Help	4
🚱 Back 🔹 🕑 🕤 🎓 Search 🜔 Folders 🔢	
Address 🔇 Network Connections	💌 🔁 G
LAN or High-Speed Intern	et
Network Tasks 🛞	
Create a new connection	tion
Set up a home or small office network	

al Area Connect	tion Status
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Connection	
Status:	Connected
Duration:	05:54:23
Speed:	10.0 Mbp
Packets:	Sent — 🛄 — Received 300 134
Properties	Disable
	Ēlo

4. Select Internet Protocol (TCP/IP) and click Properties.

5. Select the Obtain an IP

and the Obtain DNS

automatically radio

Click **Ok** to finish the

server address

configuration.

buttons.

6.

address automatically

Local Area Connection Properties **?**× General Authentication Advanced Connect using: 👺 Intel(R) PRO/100+ Management Adapter Configure... This connection uses the following items: Client for Microsoft Networks
Gient for Microsoft Networks
Gie and Printer Sharing for Microsoft Networks
Gie QoS Packet Scheduler
Tritemet Protocol (TCP/IP) I<u>n</u>stall... <u>U</u>ninstall P<u>r</u>operties Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. Show icon in notification area when connected 0K Cancel Internet Protocol (TCP/IP) Properties ? X General You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. Le Ubtain an IP address automatically -C Use the following IP address: ſ Γ Г Diptain DNS server address automatically C Use the following DNS server addresses Г Ad<u>v</u>anced...



Cancel

OK

Configuring the TELEWELL TW-640



To configure this device, you must have IE 4.01 or above installed.

- 1. Open web browser and type <u>http://192.168.1.254</u> in the browser's address box. This number is the default IP address for this router. Press **Enter**.
- A user name and password prompt will appear. Click Ok.
 Default is; No user name and password) Checnge in System / Password area <u>and write</u> <u>down the new password</u>.

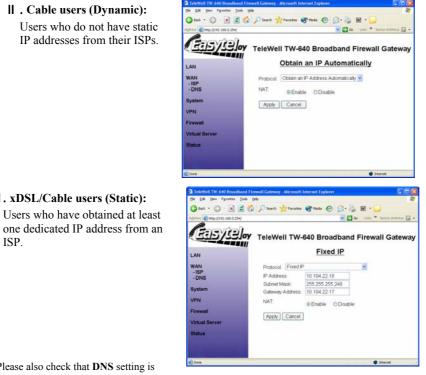
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Enter Net	work Passwo	rd	? ×
? >	Please type yo	our user name and password.	
٤J	Site:	192.168.0.80	
	Realm		
	<u>U</u> ser Name		
	Password		
	\square Save this p	password in your password list	
		Са	ncel

- **3.** Select from the following:
- I . xDSL user (Dynamic): Users who are using PPPoE.



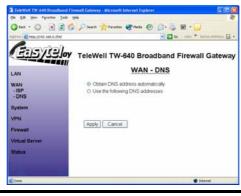
|| . Cable users (Dynamic): Users who do not have static IP addresses from their ISPs.



Please also check that DNS setting is correct (Automatic is the best setting).

II. xDSL/Cable users (Static):

ISP.





4. Click **Apply** to store all configurations. The device will reboot automatically.

Connecting to the Internet

To see if the IP sharing router is	Run					? ×
visible on the local network, go to Start/Run . In the Run dialog	2	Type the resource,	name of a prog and Windows	gram, fold will open	ler, docum it for you.	nent, or Internet
box type "Ping 192.168.1.254"	<u>O</u> pen:	ping 192	.168.1.254			-
and press Ok.		[ОК	Car	ncel	Browse

Open your Web browser to begin surfing the Internet.

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