Billion

BIPAC-645

DSL/Cable Router Plus ISDN Router With 4-Port 10/100M LAN Switch

Quick Start Guide

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Package Contents

- **1.** BIPAC-645
- 2. AC Power Adapter (9V 1Amp)
- **3.** RS-232 cable (Null modem type)
- 4. RJ-45 ISDN cable
- 5. RJ-45 LAN cable
- 6. CD containing the online manual
- 7. This Quick Start Guide

The Front Panel LEDs



LED		Meaning
1	1 Power Lit when AC power is connected.	
2	LAN 1-4 / ACT/COL	Lit Green when connected to a LAN device. Flashes Green when sending/receiving data. Flashes Yellow when collisions happen.
3	WAN / ACT/COL	Lit Green when connected to a WAN device. Flashes Green when sending/receiving data. Flashes Yellow when collisions happen.
4	Image: PPPLit when PPPoE connection is activated.	
5	ISDN / SYNC	Lit when ISDN Layer 1 is activated.
6	ISDN / B1/B2	Lit Green when B1 channel is activated. Lit Yellow when B2 channel is activated. Lit Green +Yellow when B1 and B2 channels are activated.

The Rear Ports



Power (jack)	Connect the supplied power adapter to this jack.
Console (port)	Connect the supplied RS-232 cable to this port when connecting to a PC's RS-232 port (9-pin serial port).
ISDN So (RJ-45 connector)	Connect an RJ-45 cable to this port when connecting to the ISDN.
LAN 1-4 (RJ-45 connector)	Connect an UTP Ethernet cable to this port when connecting to a LAN such as an office or home network.
WAN (RJ-45 connector)	Connect an UTP Ethernet cable to this port when connecting to the Internet or making other WAN connections.

Connecting the BIPAC-645

- **1.** Connect the BIPAC-645 to a LAN (Local Area Network) and the WAN or ISDN.
- **2.** Power on the device.
- **3.** Ensure the Power and LAN LEDs are lit.



For more detailed instructions on configuring and using the device, please refer to the on-line manual.

Configuring PC in Windows 95/98/ME

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

Network					
Configuration Identification Access Control					
The following <u>n</u> etwork components are installed:					
🕎 NE 2000 Compatible 📃					
VetBEUI -> Dial-Up Adapter					
NetBEUI -> NE2UUU Compatible					
TCP/IP -> NE2000 Compatible					
File and printer sharing for Microsoft Networks					
Add Remove Properties					
Primary Network Logon:					
Client for Microsoft Networks					
File 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.

TCP/IP Properties				
Bindings	Advanced	NetBIQS		
DNS Configuration	Gateway WINS Conf	iguration (IP Address)		
An IP address car If your network do your network admi the space below.	i be automatically assigne es not automatically assig nistrator for an address, a	d to this computer. In IP addresses, ask Ind then type it in		
Detain an IP	address automatically			
Specify an If	^o address:			
[P Address:				
S <u>u</u> bnet Mas	k:			
		Cancel		

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

TCP/IP Properties	×
Bindings Advanced NetBIOS	s
© Disable DNS © Enable DNS	
Host: Domain:	
DNS Server Search Order <u>A</u> dd	
Domain Suffix Search Order	
Remove	
OK Cancel	

Configuring PC in Windows NT4.0

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

Add Remove Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	entification Se	rvices Protoc	ols Adapters Bind	ings
NetBEUI Protocol NwLink IPX/SPX Compatible Transport NwLink NetBIOS TCP/IP Protocol Description: Transport Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	letwork Protoco	ols:		
Add <u>Remove</u> <u>Properties</u> <u>Update</u> Description: Transport Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	ないたいでは、 ないないでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 ないのでは、 でいた。 でいた。 でいた。 でいた。 でいた。 でいた。 でいた。 でいた。	otocol t8IOS tocol	ole Transport	
Description: Transport Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	<u>A</u> dd	<u>R</u> emove	Properties	∐pdate
	Description: Transport Con area network p diverse interco	trol Protocol/Int protocol that pro nnected netwo	ernet Protocol. The d vides communication rks.	efault wide i across

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



Configuring PC in Windows 2000

- 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.



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

Local Area Connection 2 Properties					
General Sharing					
Connect using:					
Realtek RTL8139(A) PCI Fast Ethernet Adapter					
Configure					
Components checked are used by this connection:					
W WLink IPX/SPX/NetBIOS Compatible Transport Proto NetBEUI Protocol Internet Protocol (TCP/IP)					
Install Uninstall Properties					
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.					
Sho <u>w</u> icon in taskbar when connected					
OK Cancel					

- 5. Select the Obtain an IP address automatically and the Obtain DNS server address automatically radio buttons.
- 6. Click **OK** to finish the configuration.

is capability. Otherwise, you ne e appropriate IP settings. © Obtain an IP address autoi	ed to ask y	our ne	twork	adminis	trator for
Use the following IP addre	\$\$:				
[P address:		35	<i>80</i>	53	_
Sybnet mask:		÷	45	- 61	-
Default gateway:		4	Ŧ	- 23	-
 Obtain DNS server addres Use the following DNS ser Preferred DNS server. Alternate DNS server. 	s automatica ver address	ally es:		5	
Guerrene erre eerren.	00	4	25	50	

Configuring PC in Windows XP

- Go to Start / Control Panel (in Classic View). In the Control Panel, double-click on Network Connections.
- 2. Double-click Local Area Connection.



3. In the Local Area Connection Status window, click Properties.



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

Local Area Connection Properties 🛛 👔 🏼 👔
General Authentication Advanced
Connect using:
B D-Link DFE-530TX PCI Fast Ethernet Adapter (rev.B)
Configure
 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks QoS Packet Scheduler Internet Protocol (TCP/IP)
Install Uninstal Properties
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
OK Cancel

- 5. Select the Obtain an IP address automatically and the Obtain DNS server address automatically radio buttons.
- 6. Click **OK** to finish the configuration.

eneral Alternate Configuration	
You can get IP settings assigned this capability. Otherwise, you nee the appropriate IP settings.	automatically if your network supports id to ask your network administrator fo
💿 Obtain an IP address automa	atically
— Use the following IP address	:
IP address:	
Subnet mask:	
Default gateway:	
Obtain DNS server address	automatically
Use the following DNS serve	er addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced.

Configuring the BIPAC-645

Start a web browser on any one of the PCs in the LAN and enter the following URL: <u>http://192.168.168.230</u>. You should see the following screen.

Local Router Manager				
Please enter your password:				
******** Log On !				
(Forget your password? - see the User Guide for instructions.)				

2. The default password ("password") has already been entered for you. You can just click "Log On!" to log on. You may use the "System Tools" menu to change the password later.



3. Make a decision either Internet access via EWAN or ISDN.

For EWAN

1. You need to make a decision about **Obtain IP Address Automatically.** Available options are **via PPP over Ethernet**, **via DHCP**, **via PPTP** or **No**.

CONFIGURATION W/PN Interfaces	Internet Access Configuration EWAN		
Internet Access Time	Profile Name ewanisp		
System Status Connection Log	(Optional)Host Name (System Name) Local Router		
System Upgrade Configuration Data Options Reset System	Apply		
Change Password Customize User Interface			
Support About System	N		

2. If you choose via DHCP for the selection of Obtain IP Address Automatically. The following screen will be displayed. Enter the following information and then Click Apply.

Profile Name	ewanisp	
Obtain IP Addresses	Automatically Via DHCP	
(Optional)Host Nam	e (System Name) <mark>Broadband Route</mark> r	

3. If you choose via PPP over Ethernet for the selection of Obtain IP Address Automatically. The following screen will be displayed. Enter the following information and then Click Apply and Test.

Profile Name	ewanisp
Obtain IP Addresses Automatically	via PPP over Ethemet 💌
ISP Account Name	
ISP Account Password	
(Optional) Service Name	
(Optional) Access Concentrator Na	me
Idle Timeout (0-3600 seconds)	120

4. If you choose via PPTP for the selection of Obtain IP Address Automatically. The following screen will be displayed. Enter the following information and then click Apply and Test.

Profile Name	ewanisp
Obtain IP Addresses Automatically	via PPTP
Host Name (System Name)	Router
PPTP Local IP Address	
PPTP IP Netmask	
PPTP Remote IP Address	
ISP Account Name	
ISP Account Password	
Idle Timeout (0-3600 seconds)	120

5. If you choose No for the selection of Obtain IP Address Automatically. The following screen will be displayed. Enter the following information and then Click Apply.

Profile Name	ewanisp
Obtain IP Addresses Automatically	No
EWAN IP Address	
EWAN IP Netmask	
ISP Gateway IP Address	
Primary DNS IP Address	199 .191 .129 .139
Secondary DNS IP Address	199 191 144 75

For ISDN

1. Select I use Internet Access over ISDN and then click Next.



2. Select "Basic Internet Access" and press "Next"

Local Router Manager
Select one or more items to be configured during this management session
C Access to/from Remote Site (e.g., Branch Office)
🗖 Dial-in Access for Off-Site Users
Basic Internet Access
Internet Access with Advanced Configuration
Next

3. Enter the information about ISP.

•••	ISDN Switch Type	Europe (ETSI)
	Number of Directory Phone Numbers	3 🗸
	Directory Phone Number 1	
:	Directory Phone Number 2	
:	Directory Phone Number 3	
•	Remote Phone Number	
	ISP Account Name	
1	ISP Account Password	·



If the test is successful, your users will be ready to access the Internet. If not, the device will try to give you enough information to let you know why the connection is not successful. 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

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