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DI-304 Installation Guide for LAN – Internet

1. Introduction

This document explains how to connect to the Internet using a single user account from an Internet Service Provider. The IP network is a private network and is chosen by the installer. In the example below the private IP network is 192.168.0.xxx. The service provider may either provide you with a static IP address or more often a dynamic IP address, that is to say the IP address is assigned to the router at connection time. A local network IP address still needs to be assigned to the router.

It is assumed the network is already configured and working in terms of network adapters and drivers installed and configured.



The DI-304 does not have a console port for configuration purposes, you must use your windows browser to configure the DI-304. <u>The router has a default IP address of 192.168.0.1</u>

Ensure you PC's are setup to receive there IP address from a DHCP server. (DI-304 in this case). You will also need to check and ensure your not running any other DHCP server in network see below.

Internet Protocol (TCP/IP) Properties	<u>?</u> ×
General Alternate Configuration	
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.	,
Obtain an IP address automatically	
└── Use the following IP address: ─────	
IP address:	
Subnet mask:	
Default gateway:	
Obtain DNS server address automatically	
C Use the following DNS server addresses:	
Preferred DNS server:	
Alternate DNS server:	
Advanced.	
OK Can	cel

2. Information required from the ISP.

A certain amount of information is required from your ISP. See list below.

- IP address (only for static IP address connections)
- Username
- Password
- ISDN Telephone number to dial
- DNS (consists of primary domain name controller IP, and name)

3. Router Configuration

After you have setup your PC to receive an IP address from DHCP server, it should have 192.168.0.100 as its IP address. The router will be 192.168.0.1. Use your browser and connect to the DI-304.

Fig 2 Router main menu.			
🚰 http://192.168.0.1/ - Microsoft Internet Explorer			
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D-Link	DI-30	4	
ISD ISD	N Router	-	
Setup Main Menu D-Link Corp.	Model : DI-304 Firmware Version : v0.99i Build Date/Time : Fri Dec 28 14:15:18.53 2001 LAN MAC Address : 00-05-5D-F0-CF-1F		
Basic Setun (Setun First)	Ouick Setun		
>> Administrator Password Setup	>> Internet Access Setup		
>> Ethernet TCP/IP and DHCP Setup	>> Remote Dial-In Access Setup		
>> ISDN Setup	>> Virtual TA (Remote CAPI) Setup		
Advanced Setup	System Management		
>> Call Control and PPP/MP Setup	>> <u>Online Status</u>		
>> Call Schedule Setup	>> <u>Time Setup</u>		
>> <u>NAT Setup</u>	>> Management Setup		
>> Static Route Setup	>> <u>Diagnostic Tools</u>		
>> Remote Dial-In User Setup	>> <u>Reboot System</u>		
>> IP Filter/Firewall Setup	>> Firmware Opgrade (TETE Server)		
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Fig 3. Router Ethernet Setup

http://192.168.0.1/ - Microsoft Internet Explorer			<u> </u>
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D-Link		DI-30	
ISD	N Router		
> Basic Setup> Ethernet TCP/IP and DHCP Setup		<< <u>Main</u>	Menu
LAN IP Network Configuration	DHCP Server Configura	tion	
For NAT Usage	Activate	: 🖸 Yes 🔿 No	
1st IP Address : 192.168.0.1	Start IP Address	: 192.168.0.100	
1st Subnet Mask : 255.255.255.0	IP Pool Counts	: 100	
For IP Routing Usage : O Enable ④ Disable	Gateway IP Address	192.168.0.1	
2nd IP Address : 192.168.2.1	DNS Server IP Address		
2nd Subnet Mask : 255.255.255.0	Primary IP Address	:	
	Secondary IP Address	:	
RIP Protocol Control : Disable			
	ОК		
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The router defaults to using 192.168.0.0 as the network. DHCP addresses range 192.168.0.100-200. Change these default setting if you need to. See Fig 3. above.

Fig 4. Router ISDN Setup.			
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D-Link ISDN Router	<mark>01-304</mark>		
> Basic Setup > ISDN Setup	<< <u>Main Menu</u>		
Country Code : United Kingdom 🗹 MSN numbers for the route	er 👘		
Own Number : 82059767 1. :			
"Own Number" means that the router will tell the			
remote end the ISDN number when it's placing an			
"MSN Numbers" means that the route	er is able to		
accept number-matched incoming	calls. In		
local ISDN network provide	r.		
OK			
Copyright (c) 2001 D-Link Corp. All Rights Reserved.			
Done	rnet //.		

Setup the country code and the router's own ISDN number as in fig 4.

Fig 5. Internet Setup
🖉 http://192.168.0.1/ - Microsoft Internet Explorer
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D-Link ISDN Router DI-304
> Quick Setup > Internet Access Setup << <u>Main Menu</u>
Select the Internet Access Mode:
ISDN Dial-up Internet Access
>> <u>Dialing to a Single ISP</u> >> <u>Dialing to Dual ISPs</u>
DSL / Cable Modern Internet Access
>> <u>PPPoE</u> >> <u>Static IP</u>
>> <u>PPTP</u>
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🕘 http://192.168.0.1/doc/inet.sht

From the menu in fig 5 select dialling to a single ISP.

Fig 6	5. ISP details
🚰 http://192.168.0.1/ - Microsoft Internet Explorer	
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D-Link > Quick Setup> Internet Access Setup Single ISP	SDN Router CI-304 << <u>Main Menu</u> << <u>Back</u>
ISP Access Setup ISP Name freeisp Dial Number 08456671111 Username dlink Password ••••• Require ISP callback (CBCP) Scheduler (1-15) => , , , , , , , , , , , , , , , , , , ,	PPP/MP Setup Link Type Dialup 64Kbps • PPP Authentication PAP or CHAP • Idle Timeout 180 second(s) IP Address Assignment Method (IPCP) Fixed IP O Yes I No (Dynamic IP) Fixed IP Address
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Enter your ISP details. For PPP authentication leave the PAP or CHAP setting as the router will negotiate either at connection time. In the link type, select 64k, 128k or BOD.

After the OK button is selected, you can go to the diagnostics and perform a connection tests.

		Fig 7. Diagnostics		
http://192.168.0.1/ -	Microsoft Internet Explore	er		
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ISP Name	freeisp	Link Type	Dialup 64Kbps 🔽	
Dial Number	08456671111	PPP Authenticatio	n 🛛 PAP or CHAP 🔽	
Username	dlink	Idle Timeout	180second(s)	
osername		IP Address Assig	Inment Method (IPCP)	• TD)
Password		Fixed IP Address		; IP)
🔲 Require ISP c	allback			
Scheduler (1-15)				
=>,				
>> Goto ISDN Dia	anostic			
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D-Lin				304
		ISDN Router		004
> System Manage	nent> Diagnostic Tools		<<	<u>Main Mer</u>
ISDN	/PPPoE/PPTP Diagn	ostics	<< <u>Back Refresh</u>	
ISC	N Link Status		UP	
Int	ernet Access	>> <u>Dial I</u>	SDN	
ВС	hannel	B1	B2	
Act	ivity	Idle	Idle	
Dro	p Connection	>> <u>Drop B1</u>	>> <u>Drop B2</u>	
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Bro	adband Access Mod	e/Status		
Int	ernet Access	>> <u>Dial PPPoE</u>	or PPTP	
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http://192.168.0.1/coil-b				

Select the Dial ISDN, you should see the ISP name typed in fig 6 appear in the activity, see fig 8.

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	Activity	Treelsp	Idle	-
	Drop Connection	>> <u>Drop B1</u>	>> <u>Drop BZ</u>	
	Broadband Access Mo	de/Status		
	Internet Access	>>Dial PPP	oE or PPTP	-11
	WAN IP Address		-	-11
	Drop Connection	>>Drop PPP	oE or PPTP	-11
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Fig 8. Diagnostics Result.

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