

Web Based Setup

Overview

The Level One ISDN Router incorporates a HTTP server. This allows you to connect to it, and configure it, using your Web Browser. Most browsers will work, provided they support HTML tables and forms.

A single **Setup** screen must be configured to make the Level One ISDN Router operational.

Connecting to the Level One ISDN Router

1. Check the LAN:

- Since configuration uses the LAN connection, the Level One ISDN Router must be installed on your LAN first, and powered ON.
- If the Level One ISDN Router's default IP Address (192.168.0.1) is already used by another device, the other device must be turned OFF until the Level One ISDN Router is allocated a new IP Address during configuration.
- If your LAN has an existing DHCP Server, set DIP switch 2 ON to disable the DHCP Server in the Level One ISDN Router.

2. Check the TCP/IP settings on your PC:

1. For Windows 95/98/NT, use *Start - Settings - Control Panel - Network* to view a screen like the following:

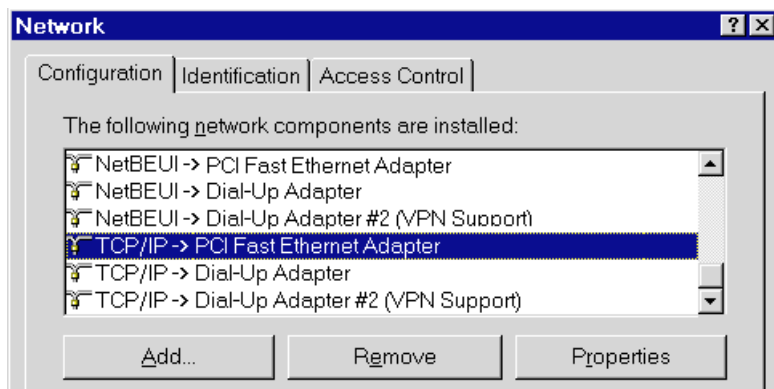


Figure 1: Network Configuration tab

2. If a line like the one highlighted ("TCP/IP -> Network Card") is not listed, select *Add - Protocol - Microsoft - TCP/IP - OK* to add it.
3. Select *Properties* for the "TCP/IP -> Network card" entry. You will then see the *IP Address* screen like the following example:

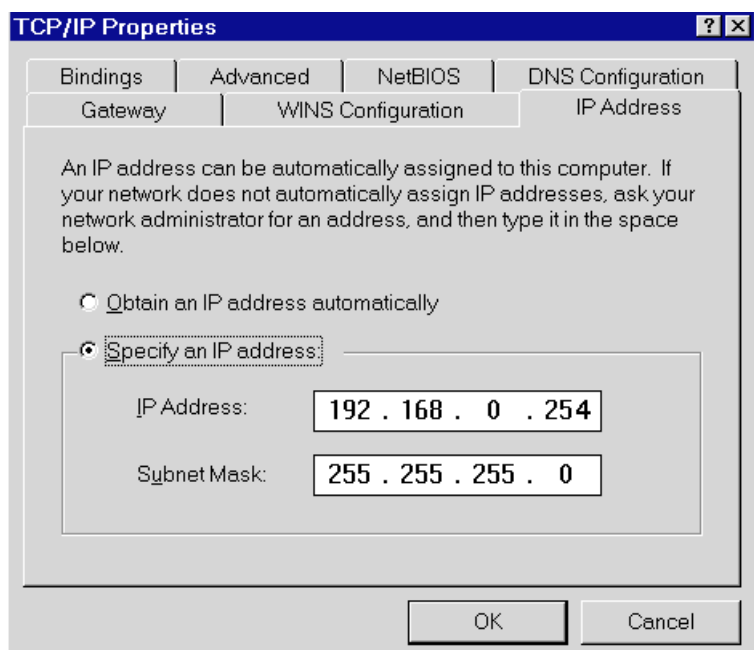


Figure 2: TCP/IP Properties - IP Address Tab

4. Select the radio button "Specify an IP Address"
5. Set the *IP Address* to an unused value in the range 192.168.0.2 to 192.168.0.254, and set the *Network Mask* to 255.255.255.0
These values are compatible with the Level One ISDN Router's default *IP Address* of 192.168.0.1 and *Network Mask* (Subnet mask) of 255.255.255.0
6. Restart (reboot) your PC.

3. Connect to the Level One ISDN Router

1. Start your Web Browser.
2. In the *Address* field, enter the following:
`http://192.168.0.1`
3. If a password has been set for the Level One ISDN Router, you will be prompted for the password, as shown below. (If no password has been set, you will not see this dialog box.)

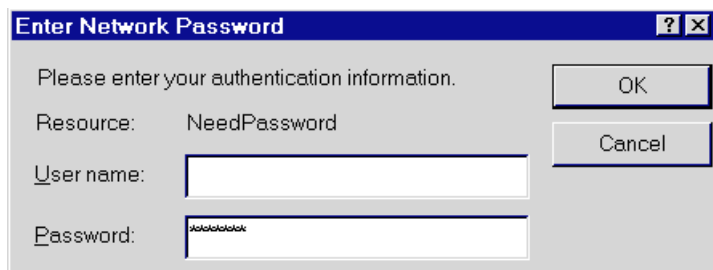


Figure 3: Password Dialog

Leave the "User Name" blank, and enter the password you assigned to the Level One ISDN Router.

4. You should then see the *Setup* screen.

If you can't connect, check the following:

- The Level One ISDN Router is properly installed, LAN connections are OK, and it is powered ON.
- Ensure that your PC and the Level One ISDN Router are on the same network segment. (If you don't have a router, this must be the case.)
- Ensure that your PC is using an IP Address within the range 192.168.0.2 to 192.168.0.254 and thus compatible with the Level One ISDN Router's default IP Address of 192.168.0.1. Also, check that the *Network Mask* is set to 255.255.255.0

Setup Screen

Set-up Status

— Internet Access —

Account (User) Name jlbrowning

Account Password: ***** Verify: *****

IP Address from ISP ☒ Dynamic

☐ Fixed 0 0 0 0

DNS IP Address 0 0 0 0

Telephone 80021015

— ISDN —

Country: AUSTRALIA For USA, the SPID is required:

 SPID (1st B Channel)

 SPID (2nd B Channel)

— LAN —

Device IP Address 192 168 0 1

Network Mask 255 255 255 0

Save Cancel

Figure 4: Setup Screen

Data - Setup Screen

Internet Account Details (from ISP)	
Account (User) Name	Enter the account name provided by your ISP (Internet Service Provider). This name will be used to log in to the ISP's server.
Account Password	Enter the current password for the above account.
Verify	Re-enter the password to ensure it is correct.
IP Address from ISP	<i>Dynamic</i> is the most common; an IP Address is assigned when you connect. If <i>Fixed</i> , enter the IP address assigned by your ISP.
DNS IP Address	The DNS (Domain Name Server) translates names (e.g. microsoft.com) to IP Addresses. Use the DNS IP address supplied or recommended by your ISP.
Telephone	The telephone number to connect to your ISP.
ISDN Details (from Telephone Company)	
Country	Select your country from the drop-down list. Note that there are 5 entries for the USA. If in the USA, select the entry to match the "Switch Type" used by your telephone company.
SPID (1st B Channel)	If you live in the USA, enter the SPID (Service Profile Identifier) provided by your phone company. The most common format for the SPID is 10 digits (area code + local number) for the phone number, followed by 4 digits for the device ID. e.g. 555-555-1234-0101 Where 555-555-1234 is the phone number, and 0101 is the device ID. However, there is wide variation in SPID formats, and you must use the method advised by your phone company. If your telephone company did not provide this information, leave this blank.
SPID (2nd B Channel)	Enter the SPID for the 2 nd B Channel. (See above)
LAN Settings	
IP Address Network Mask	These settings depend on your LAN environment: If you use the built-in DHCP server (recommended): <ul style="list-style-type: none"> Usually, no changes are required on this screen. However, all devices on your LAN must either be a DHCP Client OR use a compatible IP Address and Network mask. If your LAN already has a DHCP server: <ul style="list-style-type: none"> If not already done, set DIP switch 2 ON to

	<p>disable the DHCP server in the Level One ISDN Router.</p> <ul style="list-style-type: none"> • Assign the Level One ISDN Router an unused <i>IP Address</i> within the address range used on your LAN. (Do not use an IP Address allocated by the DHCP Server; doing so will cause an IP Address conflict.) • The <i>Network Mask</i> must be the same as the value used by the DHCP server. <p>If your LAN uses static (fixed) IP Addresses:</p> <ul style="list-style-type: none"> • Give the Level One ISDN Router a unique <i>IP Address</i> chosen from the address range used by PCs on your LAN. • The Level One ISDN Router's <i>Network Mask</i> must be the same value as PCs on your LAN.
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Once setup is complete:

- Restart the Level One ISDN Router by disconnecting and reconnecting the power.
- Configure each PC, including the one used for this setup procedure.
- You can then use the Status screen to check on the Level One ISDN Router and ISDN connection status.

Status Screen

The *Status* screen can be used to review the connection status of the Level One ISDN Router. An example screen is shown below.

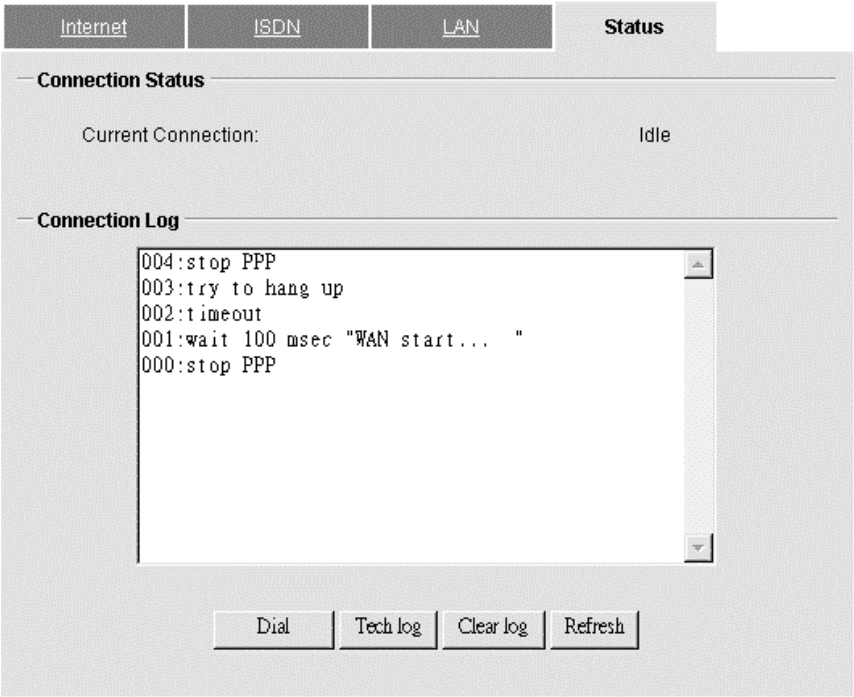


Figure 7: Status Screen

Connection Status

Current Connection	<p>This indicates whether the Level One ISDN Router is Idle, or being used for Internet Access, LAN-to-LAN connection, or Dial-in. If a connection exists, the following data is shown:</p> <ul style="list-style-type: none">• Name: For Internet access, the account name is displayed. For Dial-in, the name of the dial-in user is displayed. For LAN-to-LAN, the name of the remote device is displayed.• IP Address The IP Address used by this device, allocated by the remote device. This address is provided by the ISP on connection. (Or by the remote Level One ISDN Router, if using LAN-to-LAN.
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Connection Log

This shows status to the PPP link over the ISDN line. Common messages are shown in the following table.

Message	Description
Dialing	Dialing the ISP
Try to establish physical connection.	The device is trying to connect with the ISP.

Busy error	The number dialed was busy.
Physical line is connected	Physical connection to ISP has been established.
Start PPP	A PPP connection is now being established.
PPP up fail	The PPP connection could not be established.
PPP up successfully	The PPP connection was established successfully.
Stop PPP	The PPP connection was terminated. This will occur at the end of a session, or an error condition.
Idle timer expires	The "Idle time-out" has been triggered. (There was no data sent or received for the duration of the "Idle time" period.)

Buttons

- **Dial/Hang Up** - Dial your ISP or hang up, depending on whether or not a connection exists.
- **Tech Log** - Display ISDN messages, instead of connection messages. This is only to assist technical support staff.
- **Clear Log** - Delete existing data in the log. This makes new data easier to read.
- **Refresh** - Update the Log.