

QUICK INSTALL GUIDE

DIV-140

VERSION 1.0



D-Link®

BROADBAND

System Requirements

- Computers with Windows®, Macintosh®, or Linux-based operating systems and an installed Ethernet Adapter
- Internet Explorer version 6.0 or Netscape Navigator 7.0 or higher (for configuration)

Package Contents

- D-Link DIV-140 VoIP Gateway
- Power Adapter
- CAT5 Ethernet Cable
- RJ-45 to DB-9 Cable
- Four (4) RJ-11 Cables
- CD-ROM with Installation Guide, User Manual, and Special Offers

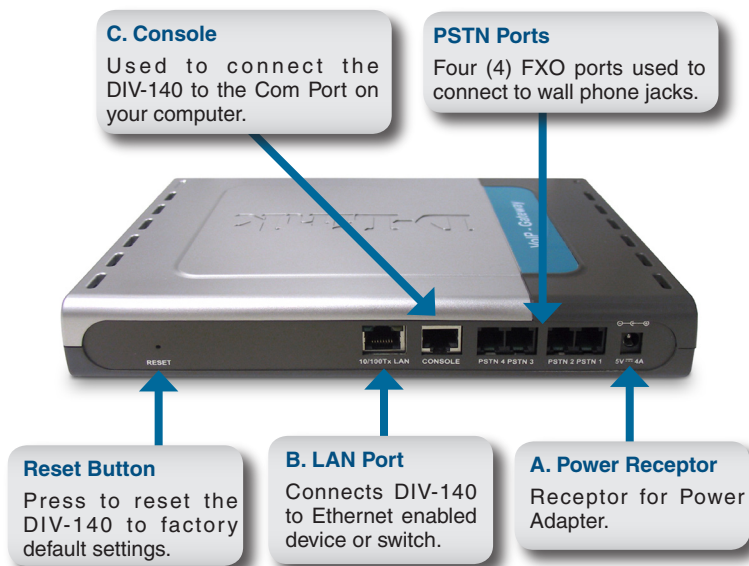


Note: Using a power supply with a different voltage than the one included with the DIV-140 may damage the unit and will void the warranty for this product.

If any of the above items are missing, please contact your reseller.

Connecting the DIV-140 to your network

- A. Connect the power adapter to the receptor on the rear panel of the DIV-140 and then plug the other end of the power adapter to a wall outlet or power strip. The power LED will turn ON to indicate proper operation.
- B. Connect the LAN interface to the hub or switch connected to your internal network using a CAT5 Ethernet cable. The LAN LED on the front of the device should illuminate when a connection is made.
- C. Connect the RJ-45 to DB-9 Console Cable from the Console port on the DIV-140 to the Com Port on the computer that will be used to configure the DIV-140.

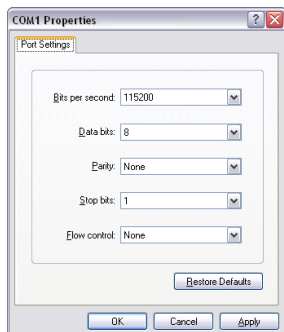


Configuring the DIV-140

A computer on your LAN must be assigned an IP address and subnet mask in the same range as the DIV-140. By default, the DIV-140 is assigned an IP address of **10.0.0.1** with a subnet mask of **255.0.0.0**. It can be configured in two ways, through the web interface or command line interface (CLI).

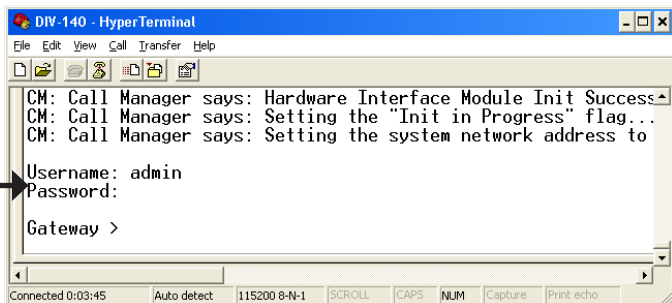
With the console cable connected from the Console port of the DIV-140 to the Com port of your PC, launch the HyperTerminal program:

The terminal settings should be **115200 8-N-1-N**.



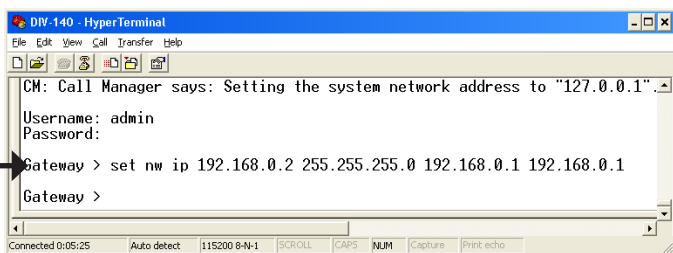
Power on the DIV-140, after the device boots up, login when prompted:

Enter **admin** for the Username and **password** for the Password.

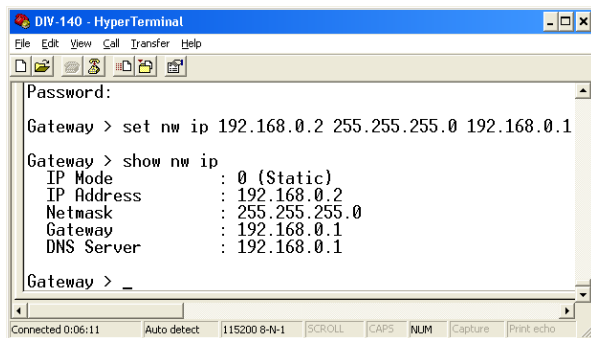


It may be necessary to change the IP address of the DIV-140 to match your local network. To change the IP address of the DIV-140, use the following commands and procedure below:

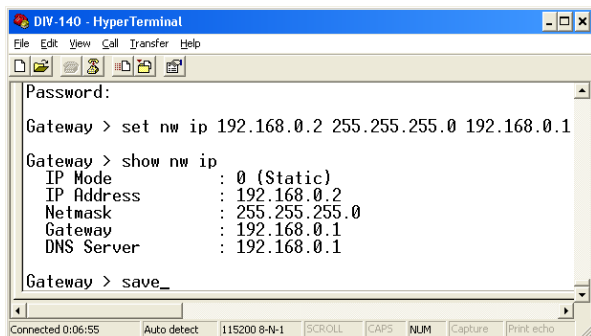
At the Gateway prompt, enter the command, “**set nw ip [IP address] [subnet mask] [gateway address] [DNS address]**” and press Enter.



Verify the IP settings by entering the command, “**show nw ip**” and pressing Enter. The IP settings will display:

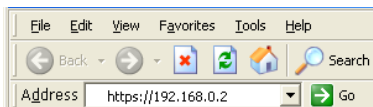


Save the IP settings by using the “**save**” command. Press Enter, and the DIV-140 will save the settings and reboot:



After setting the IP address, you can configure the DIV-140 from the web configuration using a computer on your LAN. Open a web browser and browse to the IP address of the DIV-140 using https.

Ex. <https://192.168.0.2>



A Security Alert window will appear:

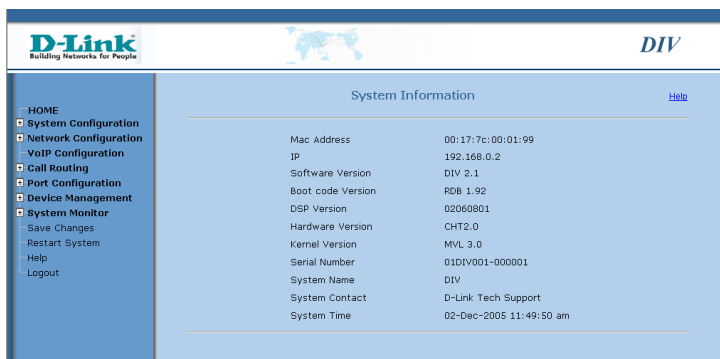


Click Yes

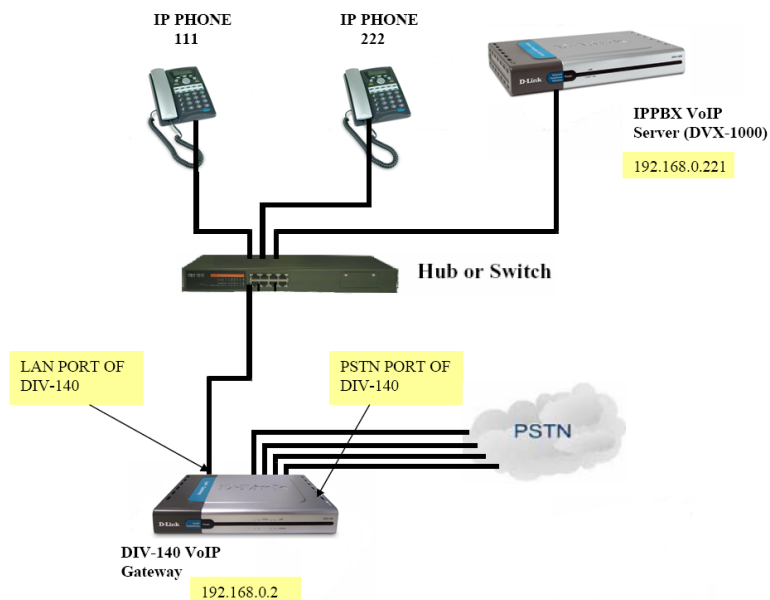
A login box will appear. Enter the user name and password. The default user name is **admin**, and the default password is **password**.



After logging in, the System Information page will appear:



The following figure displays the setup for making VoIP to PSTN calls using the DIV-140:



The configuration settings on the DIV-140 are as follows:

After logging into the DIV-140, browse to the **System Configuration > Device** page:

Verify the Country is set to the correct region and click **Apply**:

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Device Configuration [Help](#)

HOME
☒ **System Configuration**
 Device
 Audio
 Call
☒ **Network Configuration**
 VoIP Configuration
 Call Routing
 Port Configuration
 Device Management
☒ **System Monitor**
 Save Changes
 Restart System
 Help
 Logout

Country: USA

Access Key Configuration

Feature Code: *

Speed Dial: 4

Auto Log Off Time: 10 (In mins)

Apply **Cancel**

Browse to the **Network Configuration > General** page:

Verify the IP Configuration settings are correct, and click **Apply**:

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Network Configuration [Help](#)

HOME
☒ **System Configuration**
 Device
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 Call
☒ **Network Configuration**
 General
 NAT Traversal
 Media
☒ **VoIP Configuration**
 Call Routing
 Port Configuration
 Device Management
☒ **System Monitor**
 Save Changes
 Restart System
 Help
 Logout

IP Configuration

IP Mode: ☒ Static IP ☐ DHCP ☐ PPPoE

IP address: 192.168.0.2

Net Mask: 255.255.255.0

Gateway: 192.168.0.1

DNS Server

Primary: 192.168.0.1

Secondary: 10.0.0.1

PPPoE

Username: USER

Password: *****

Browse to the **Network Configuration > General** page:

Enter the **VoIP Server IP PBX** IP address or domain name and Server Port. The server port is **5060** by default. Click **Apply**:

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HOME
System Configuration
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Network Configuration
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 NAT Traversal
 Media
VoIP Configuration
 Call Routing
 Port Configuration
 Device Management
 System Monitor
 Save Changes

SIP Configuration [Help](#)

Server Settings

Primary Server

Server Address
Server Port

Secondary Server

Server Address
Server Port
Registration Timeout (in seconds)
Uri Scheme
Transport

Browse to the **Port Configuration > General** page:

The DIV-140 has four (4) PSTN ports numbered 1-4. Select port 1 and configure the **Phone Number** and **Display Name** as 2001. Click **Apply**:

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VoIP Configuration
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 Port Configuration
 Device Management
 System Monitor
 Save Changes

Port Configuration [Help](#)

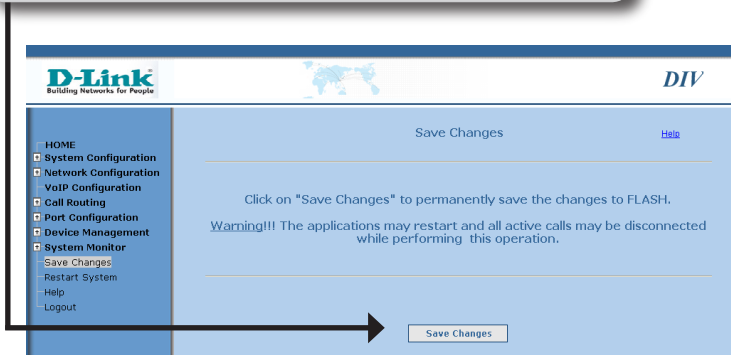
Port Number Port Type

Authentication Parameters

Phone Number
Display Name
Authentication User ID
Authentication Password
User Parameter

Configure PSTN ports 2-4 similarly, assigning them Phone Number and Display Names of 2002, 2003 and 2004 respectively:

Browse to the Save Changes page and click Save Changes:



The DIV-140 will reboot.

The VoIP server (IPPBX) needs to be configured as follows:

The PSTN Ports (2001-2004) must be added as gateways on the IPPBX. The gateways should be added to the route used by the users of the IPPBX.

When the DIV-140 reboots, it will register with the IPPBX.

Connect PSTN to port 1 of the DIV-140.

To make a VoIP call from **111** to a PSTN phone **437**:

- Pick up the VoIP phone (111) handset and dial **2001#**. This will cause the VoIP Gateway FXO port 2001 to ring twice before going offhook.
- After 2001 goes offhook, you will be connected to the local PBX and will get the PBX dialtone. Dial the PBX extension number **437**.
- The PBX phone 437 will ring. When the user at 437 picks up the phone, the call is established.

Technical Support

D-Link's website contains the latest user documentation and software updates for D-Link products.

U.S. and Canadian customers can contact D-Link Technical Support through our website or by phone.

United States

Telephone

(877) 354-6555

World Wide Web

<http://support.dlink.com>

Canada

Telephone

(800) 361-5265

World Wide Web

<http://support.dlink.ca>



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