



—— DPH-140S

## IP Telephone for Home & Business

The D-Link DPH-140S IP Telephone is an inexpensive, standard-compliant telephone that lets you easily make phone calls on your broadband Internet or enterprise network. Voice is packed into IP format packets for transmission, so phone calls bypass the PSTN normally used for voice communication. This IP Telephone significantly reduces your phone charge by using the services provided by Internet Service Providers (ISP). Its biggest benefit is the elimination of the high cost for long-distance and international phone calls. Designed as a full-feature speakerphone set, this IP Telephone can be readily plugged to your home and office network.

### Long-distance Phone Charge Saving

With this Internet telephone, expensive long-distance and international phone calls over the ordinary telephone can be avoided altogether. You make and receive voice calls over the same line that you use to connect to the Internet, and pay the same Internet connection charge, plus a service charge to your Service Provider.

### Simple Operation

The DPH-140S is compatible with most IP telephony service providers. It operates just like any ordinary telephone. All destination numbers must be registered with your Internet Telephony Service Provider or Proxy Server. You dial your server's code, then your destination number; the Internet Telephony Service Provider or Proxy Server will map your number with the destination.

### Broadband Connection

The DPH-140S has a built-in Ethernet interface to connect to a DSL or cable modem, or a router supporting DSL or cable modem connection. You simply plug the Ethernet connector to the modem or router, and the IP Telephone is connected. Once connected, you are logged on to the Internet and are ready to make and receive calls anytime 24 hours a day.

### Connection to IP Network

The DPH-140S can also be used with LANs with Ethernet and IP protocol routing support. Voice is transmitted on the same line with data, and telephone charges are eliminated altogether.

### Guaranteed Voice Quality

The DPH-140S incorporates QoS functions to deliver clear, high-quality voice communication in a variety of network conditions. With QoS, voice packets get a higher priority over data packets on the network packet stream. Other capabilities include acoustic echo cancellation, voice activity detection/comfort noise generation (when there is a prolonged silence), and adaptive jitter buffer.

### Simultaneous Voice/Data Communication

Voice and data travels at the same time on the same network line. The DPH-140S provides an extra RJ-45 connector that connects to your PC's Ethernet interface or to your home/office network (via a Fast Ethernet switch or hub). This allows you to talk on the IP Telephone while browsing web sites, send e-mail, transfer files and do other network tasks. \*

### Full-feature Phone

The DPH-140S is a speakerphone. It has a large LCD to display dial-out and call-in numbers. It also has redial, mute, transfer, voice mail, 3-way conference, call waiting, call forwarding and hold functions, plus a menu key, an address book and 10 memory function keys.

\* Voice quality may be affected if large file transfer occurs at the same time.

### Key Features

- IP Telephone for broadband Internet or IP networks
- SIP protocol support
- Connects to DSL or cable modem or router
- Second connection to PC or LAN
- IP address assignment using PPPoE, DHCP or static configuration
- Voice activity detection/comfort noise generation
- Adaptive jitter buffer
- Acoustic echo cancellation
- DTMF tone generation
- Easy-to-use setup/programming interface
- Remote software update support
- 2 x 16 LCD display
- 10 memory function keys
- Adjustable speaker/ringer volume control

# DPH-140S

## Technical Specifications

## IP Telephony

### General

#### WAN Connection Support

Through 10/100BASE-TX Ethernet port

#### Internet Support

- IP, TCP, UDP, ARP, HTTP protocols
- DHCP client
- DNS

#### VoIP Protocol Support

SIP

#### Audio Code

- G.7.11u-law/a-law
- G.723.1
- G.729a/b

#### Echo Cancellation

AEC (Acoustic Echo Cancellation) G.168

#### Ethernet

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation

#### Number of Ethernet Ports

- 1 RJ-45 auto-sensing 10/100Mbps to DSL/cable modem or router
- 1 RJ-45 auto-sensing 10/100Mbps to PC or LAN

### Phone Set

#### Function Support

- Redial
- Menu
- Mute
- Transfer
- Hold
- Voice mail
- 3-way conference
- Speaker
- Address book (200 records)
- Special dial (10 records)
- Review address records
- Speaker/ringer volume adjust

#### Tone

- DTMF
- Ring tone (4 selectable ring tones)
- Ring back tone
- Dial tone
- Busy tone

#### Key Pad

- 0 to 9 keys, \* key, # key
- Function keys: voice mail key, 3-way conference key, 10 memory speed dial keys, mute/func. key, transfer key, redial key, hold key, speaker on/off key, operator key
- Others: speed dial setting, phone book, menu, OK, cancel and navigation keys

#### Network Assignment

- PPPoE
- DHCP
- Static IP

#### Firmware Upgrade

- TFTP
- Auto/manual provisioning system

#### Configuration Support

- Keypad & LCD
- Web browser
- Auto/manual provisioning system

### Physical & Environmental

#### LED Indicators

- Line status
- Incoming call
- Speaker status

#### Power Input

5V DC 2A AC power adapter

#### Power Consumption

5 watts (max.)

#### Dimensions

218 (L) x 167 (W) x 53 (H) mm

#### Weight

791 grams

#### Operating Temperature

0° to 40 °C

#### Storage Temperature

-20° to 60 °C

#### Operating Humidity

20% to 80% non-condensing

#### EMI

- FCC Class B
- CE Class B

#### Safety

CB (IEC60950)



## Ordering Information

DPH-140S

IP Telephone, SIP protocol

# D-Link®

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