



— DPH-120S

IP Telephone for Home & Business

The DPH-120S is a versatile IP Telephone that lets you make phone calls using the Internet or any IP 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 normal long-distance and international phone calls. Designed as a full-feature speakerphone set that operates like other ordinary telephones, this IP Telephone can be readily installed at your home or office.

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-120S 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-120S has a built-in Ethernet interface to connect to a DSL or cable modem, or a router supporting DSL or cable modem connection. Once connected, you are logged on to the Internet and are ready to make and receive calls anytime.

Connection to IP Network

The DPH-120S can also be used with LANs with Ethernet and IP protocol support. Voice is transmitted on the same line with data, and telephone charges are eliminated altogether.

Guaranteed Voice Quality

The DPH-120S incorporates QoS functions to ensure that voice received on the IP Telephone is almost the same as that received on the ordinary phone. To allow for a smooth voice reception, 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-120S provides an extra RJ-45 connector that connects to your PC's Ethernet interface. 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-120S 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 and an address book.

* 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 Internet through LAN or directly to DSL or cable modem
- Second connection to PC
- 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
- Adjustable speaker/ringer volume control

DPH-120S

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 LAN with Internet connection
- 1 RJ-45 auto-sensing 10/100Mbps to PC

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: mute, transfer, redial, hold, 3-way conference, voice mail
- 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

210 (L) x 208 (W) x 38 (H) mm

Weight

635grams

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-120S

IP Telephone, SIP protocol

D-Link®

Specifications subject to change without prior notice.
D-Link is a registered trademark of D-Link Corporation/D-Link System, Inc. All other trademarks belong to their proprietors.

U.S.A

TEL: 1-800-326-1688
TEL: 1-905-8295033

FAX: 1-866-743-4905
FAX: 1-905-8295223

Canada

Europe (U. K.)

TEL: 44-20-8731-5555

FAX: 44-20-8731-5511

Germany

TEL: 49-6196-77990

FAX: 49-6196-7799300

France

TEL: 33-1-30238688

FAX: 33-1-30238689

Netherlands

TEL: 31-10-282-1445

FAX: 31-10-282-1331

Belgium

TEL: 32(0)2-517-7111

FAX: 32(0)2-517-6500

Italy

TEL: 39-02-2900-0676

FAX: 39-02-2900-1723

Sweden

TEL: 46-(0)8564-61900

FAX: 46-(0)8564-61901

Denmark

TEL: 45-43-969040

FAX: 45-43-424347

Norway

TEL: 47-23-897189

FAX: 47-22-309085

Finland

TEL: 358-9-2707 5080

FAX: 358-9-2707-5081

Spain

TEL: 34-93-4090770

FAX: 34-93-4910795

Portugal

TEL: 351-21-8688493

Czech Republic

TEL: 420-(603)-276-589

Switzerland

TEL: 41-(0)-1-832-11-00

FAX: 41(0)-1-832-11-01

Greece

TEL: 30-210-9914 512

FAX: 30-210-9916902

Luxembourg

TEL: 32-(0)2-517-7111

FAX: 32-(0)2-517-6500

Poland

TEL: 48-(0)-22-583-92-75

FAX: 48-(0)-22-583-92-76

Hungary

TEL: 36-(0)-1-461-30-00

FAX: 36-(0)-1-461-30-09

Singapore

TEL: 65-6774-6233

FAX: 65-6774-6322

Australia

TEL: 61-2-8899-1800

FAX: 61-2-8899-1868

India

TEL: 91-022-26526696

FAX: 91-022-26528914

Middle East (Dubai)

TEL: 971-4-3916480

FAX: 971-4-3908881

Turkey

TEL: 90-212-289-56-59

FAX: 90-212-289-76-06

Egypt

TEL: 202-414-4295

FAX: 202-415-6704

Israel

TEL: 972-9-9715700

FAX: 972-9-9715601

LatinAmerica

TEL: 56-2-232-3185

FAX: 56-2-232-0923

Brazil

TEL: 55-11-550-39320

FAX: 55-11-550-39322

South Africa

TEL: 27-12-665-2165

FAX: 27-12-665-2186

Russia

TEL: 7-095-744-0099

FAX: 7-095-744-0099 #350

China

TEL: 86-10-58635800

FAX: 86-10-58635799

Taiwan

TEL: 886-2-2910-2626

FAX: 886-2-2910-1515

Headquarters

TEL: 886-2-2916-1600

FAX: 886-2-2914-6299