# vtech

# EHS101 EHS102

EHS Box

for use with VH6210/VH6211/ VH6220/VH6221 Wireless Headset

# Installation Guide

This Installation Guide provides you with the basic instructions on connecting your VH6210/VH6211/VH6220/VH6221 Wireless Headset to many of the most popular IP phones, through the EHS101/EHS102 EHS (Electronic Hook Switch) box.

EHS enables you to answer or end calls on your connected IP phone with the call button on your VH6210/VH6211/VH6220/ VH6221 headset. A limited set of EHS connection instructions are described in abbreviated form.

For detailed instructions on EHS connection setup at each of the IP phones, refer to the user's manual of your IP phone model of the respective series and brands, where the EHS101/EHS102 EHS box is connected.

#### **Customer Service**

For customer service, visit our website at businessphones.vtech.com or call 1 (800) 595-9511. In Canada, call 1 (800) 267-7377.

# Compatibility

Our EHS101/EHS102 EHS boxes are compatible with the following IP phones.

#### For EHS101:

Alcatel	IP Touch 8-Series 4028/4038/4068 IP Phones; IP Touch 9-Series 4029/4039 IP Phones
Avaya	96x0 Series IP Phones; J139/J169/J179 IP Phones; 14xx/16xx/94xx/95xx/96x1 Series IP Phones
Cisco	8941/8945/8965 IP Phones
Fanvil	X4/X5 IP Phones
Grandstream	GXP16xx/21xx Series IP Phones
NEC	DT820 IP Phone
Shoretel	IP 212k/230/230g/265/560/560g/565/565g IP Phones; IP 480G/485 IP Phones

#### For EHS102:

Digium	D40/D60 IP Phones
Cisco	7942G/7945G/7962G/7965G/7975G/7821/ 7841/7861/6945/8811/8841/8845/8851/ 8861/8865 IP Phones;
Panasonic	KX-NT131/136/553/556 IP Phones; KX-DT543/546 IP Phones; HDV220/230 IP Phones
Polycom	SoundPoint IP 335/320/321/330/331/430/450/ 670/650/560/550 IP Phones; VVX 300/310/400/410/500/600/1500 IP Phones
Yealink*	T48S/T48G/T46S/T46G/T42S/T42G/T41S/ T41P/T40G/T40P/T29G/T27G/T27P IP Phones

You need to purchase Yealink's EHS36 Wireless Headset Adapter

# What's in the box

# EHS101

# EHS101 EHS Box Cable 1A Cable 1B n) Cable 1C Cable 1D Dongle 1E

# EHS102



# Alcatel IP Phones

# Alcatel IP Touch, 8-Series 4028/4038/4068 or 9-Series 4029/4039 IP Phones

- VH6221 headset base
- 2. Connect Cable 1C to EHS101 EHS box.
- 4. Connect Cable 1C to telephone wall jack.





# Avava IP phones

To headset base

To headset base's

EHS jack (red dot

OPHONE iack (blue dot)

# Avaya J139/J169/J179/14xx/16xx/94xx/95xx/96x1 Series IP Phones

1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base

EHS101 EHS Box

- 2. Connect Cable 1A to EHS101 EHS box.
- 3. Connect Cable 1A to your Avaya IP phone.

# **Digium IP Phones**

for connection.

# Digium D40/D60 IP Phones

- 1. Connect EHS102 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base.
- 2. Connect Cable 2B to EHS102 EHS box.
- 3. Connect Cable 2B to your Digium IP phone.
- 4. Connect the Headset audio cable, as provided in VH6210/ VH6211/VH6220/VH6221 package, to the headset base.
- 5. Connect the Headset audio cable to the Digium IP phone.

EHS102 EHS Box

# **Cisco IP Phones**

#### Cisco 7942G/7945G/7962G/7965G/7975G/7821/ 7841/7861/6945/8811/8841/8845/8851/8861/8865 IP Phones

- 1. Connect EHS102 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base
- 2. Connect Cable 2A to EHS102 EHS box.
- 3. Connect Cable 2A to your Cisco IP phone.
- 4. Connect the Headset audio cable, as provided in VH6210/ VH6211/VH6220/VH6221 package, to the headset base.
- 5. Connect the Headset audio cable to the Cisco IP phone.





EHS102 EHS Box To headset base's EHS jack (red dot) To headset base's EHS jack (red dot) To headset por 2 3 on the Avava I 2 o EHS102's jack To headset base's **PHONE jack** (blue dot) 8 To headset base's \$ OPHONE jack (blue dot) 2 To EHS101's (h) To **EHS102**'s 3 To EHS port on the Digium RJ9 jack 4 4 🖉 To EHS por B IP phone B on the Cisco < 6 6 IP phone To Digium IP phone's To Cisco IP phone's headset audio port headset audio port Cable 1A Cable 2A Headset audio cable Headset audio cable Cable 2B (from VH6210/VH6211/VH6220/ (from VH6210/VH6211/VH6220/ VH6221 package) VH6221 package)

1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/

- 3. Connect Cable 1C to your Alcatel IP phone.

# Avava IP phones

# Avaya 96x0 Series IP Phones

- 1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base
- 2. Connect Cable 1A to EHS101 EHS box.
- 3. Connect Cable 1A to your Avaya IP phone.
- 4. Connect Cable 1D to EHS101 EHS box.
- 5. Place the auxiliary ring detector to the center of the Avaya IP phone's speaker.

# **Cisco IP Phones**

#### Cisco 8941/8945/8965 IP Phones

1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base.

- 2. Connect Cable 1B to EHS101 EHS box.
- 3. Connect Cable 1B to your Cisco IP phone.



# Fanvil IP phones

# Fanvil X4/X5 IP Phones

- 1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base.
- 2. Connect Cable 1A to EHS101 EHS box.
- 3. Connect Cable 1A to your Fanvil IP phone.



# Grandstream IP phones

#### Grandstream GXP16xx/21xx Series IP Phones

1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base

EHS101 EHS Box

A

3

Q.

Cable 1A

Ø

2

To **EHS101**'s

RJ9 jack

To headset port or

the Grandstream

phone

2. Connect Cable 1A to EHS101 EHS box.

To headset base's

OPHONE jack

To headset b

EHS iack

(red dot)

(blue dot)

3. Connect Cable 1A to your Grandstream IP phone.

# NEC IP phones

#### NEC DT820 IP Phone

To headset base

To headset base's

**OPHONE** iack

(blue dot)

EHS jack

(red dot)

To FHS101's

Dongle 1E

RJ45 iack

1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base

EHS101 EHS Box

2

To **EHS101**'s

RJ9 jack

3 To headset port on

0.

Cable 1A

he NEC IP phone

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- 2. Connect Cable 1A to EHS101 EHS box.
- 3. Connect Cable 1A to your NEC IP phone.
- 4. Connect Dongle 1E to EHS101 EHS box.

# Panasonic IP phones

#### Panasonic KX-NT131/136/553/556 or KX-DT543/546 IP Phones

- 1. Connect EHS102 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base.
- 2. Connect Cable 2C to EHS102 EHS box.
- 3. Connect Cable 2C to your Panasonic IP phone.
- 4. Connect the Corded phone connection cable, as provided in VH6210/VH6211/VH6220/VH6221 package, to the headset base
- 5. Connect the Corded phone connection cable to the Panasonic IP phone.
- 6. Connect your Panasonic IP phone's corded handset cable to the jack socket on the Corded phone connection cable



# Shoretel IP phones

#### Shoretel IP 212k/230/230g/265/560/560g/565/565g **IP** Phones

- 1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base.
- 2. Connect Cable 1A to EHS101 EHS box.
- 3. Connect Cable 1A to your Shoretel IP phone.
- 4. Connect Dongle 1E to EHS101 EHS box.
- 5. Connect Cable 1D to EHS101 EHS box.
- 6. Place the auxiliary ring detector of Cable 1D to the center of the Shoretel IP phone's speaker.



# Shoretel IP phones

#### Shoretel IP 480G/485 IP Phones

- 1. Connect EHS101 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base.
- 2. Connect Cable 1A to EHS101 EHS box.
- 3. Connect Cable 1A to your Shoretel IP phone.
- 4. Connect Dongle 1E to your Shoretel IP phone.

# EHS101 EHS Box



# Yealink IP phones

#### Yealink T48S/T48G/T46S/T46G/T42S/T42G/T41S/ T41P/T40G/T40P/T29G/T27G/T27P IP Phones

# B NOTE:

(blue dot)

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- · You need to purchase Yealink's EHS36 Wireless Headset Adapter for connection.
- 1. Connect EHS102 EHS box to your VH6210/VH6211/VH6220/VH6221 headset base
- 2. Connect Cable 2C to EHS102 EHS box.
- 3. Connect Cable 2C to the Yealink EHS36 adapter (purchased separately).
- 4. Connect the Headset audio cable, as provided in VH6210/ VH6211/VH6220/VH6221 package, to the headset base.
- 5. Connect the Headset audio cable to the Yealink EHS36 adapter (purchased separately).
- 6. Connect the EHS36 adapter to the Yealink IP phone.



#### Power supply

#### Rated power

# Panasonic IP phones

# Panasonic HDV220/230 IP Phones

- VH6221 headset base.
- 2. Connect Cable 2C to EHS102 EHS box.

4. Connect the Headset audio cable, as provided in VH6210/ VH6211/VH6220/VH6221 package, to the headset base 5. Connect the Headset audio cable to the Panasonic IP

phone

1. Connect EHS102 EHS box to your VH6210/VH6211/VH6220/

3. Connect Cable 2C to your Panasonic IP phone.

# Polycom IP phones

#### Polycom SoundPoint IP 335/320/321/330/331/430/ 450/670/650/560/550 or VVX 300/310/400/410/500/600/1500 IP Phones

- 1. Connect EHS102 EHS box to your VH6210/VH6211/VH6220/ VH6221 headset base
- 2. Connect Cable 2B to EHS102 EHS box.
- 3. Connect Cable 2B to your Polycom IP phone
- 4. Connect the Headset audio cable, as provided in VH6210/ VH6211/VH6220/VH6221 package, to the headset base.

**Technical Specifications** 

From headset set on RJ12

6VDC 50mA

This device complies with IC standard.

CONFORMS TO UL STD. 60950-1 CERTIFIED TO CSA STD. C22.2 #60950-1



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