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because communication is critical

Quick Installation & Configuration Guide

ITSV-2

IP Touch Station with Video

The ITSV-2 is a product developed for Zenitel Norway AS and is primarily used as part of a Zenitel IP Intercom solution. The ITSV-2 is not pre-configured to support or carry emergency calls to any type of hospital, law enforcement agency, medical care unit ("Emergency Service(s)") or any other kind of Emergency Service. You must make additional arrangements to access Emergency Services. It is your responsibility to purchase SIP-compliant Internet telephone service, properly configure the ITSV-2 to use that service, and periodically test your configuration to confirm that it works as you expect. If you do not do so, it is your responsibility to purchase traditional wireless or landline telephone services to access Emergency Services.

Zenitel Norway does not provide connections to emergency services via the ITSV-2. Neither Zenitel Norway nor its officers, employees or affiliates may be held liable for any claim, damage, or loss. You hereby waive any and all such claims or causes of action arising from or relating to your inability to use the ITSV-2 to contact emergency services, and your failure to make additional arrangements to access emergency services in accordance with the immediately preceding paragraph.

Precautions

Warning: Please DO NOT power cycle the ITSV-2 during system boot-up or firmware upgrade. You may corrupt firmware images and cause the unit to malfunction.

Warning: Use only the power adapter included in the ITSV-2 package.
Using an alternative non-qualified power adapter may possibly damage the unit.

Package Contents
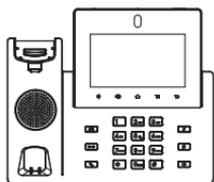
ITSV-2 Main Case   1x Handset   1x Phone Stand   1x Quick Guide
1x GPL License
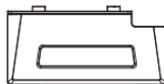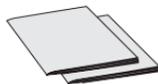
1x Phone Cord   1x Ethernet Cable   1x 12V Power Adapter

Overview

- ITSV-2 IP Touch Station with Video (Item Number: 1490002010)

The ITSV-2 features a 5-inch 1080x720 capacitive touch screen, tiltable camera, HDMI output, dual microphones, support for 720p HD video, and runs Android 7.0. The ITSV-2 delivers HD audio & video, leading edge SIP intercom features and integration with IC-EDGE and ICX-AlphaCom IP Intercom Platforms developed by Zenitel. ITSV-2 redefines the desktop communication experience with a raised level of innovation and integration of state-of-the-art real-time video conferencing, and personalized rich media presentation & delivery.

ITSV-2 Setup

Phone Stand

Wall Mount

Slots for wall mount spacers and phone stand
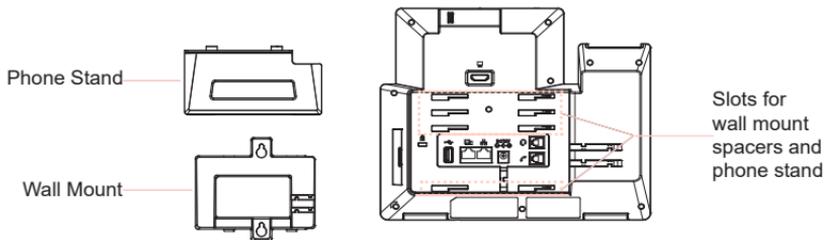
Installing the ITSV-2 Stand

- Attach the stand spacers to the slots on the back of the unit as shown below.
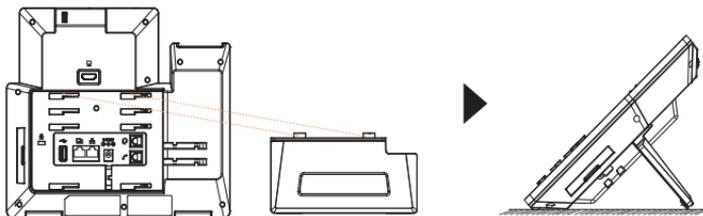
Installing the Wall Mount (sold separately)

1. Attach the wall mount spacers to the slots on the back of the unit.
2. Attach the unit to the wall via the wall mount hole.
3. Pull out the tab from the handset cradle (see figure below).
4. Rotate the tab and plug it back into the slot with the extension up to hold the handset while the unit is mounted on the wall.
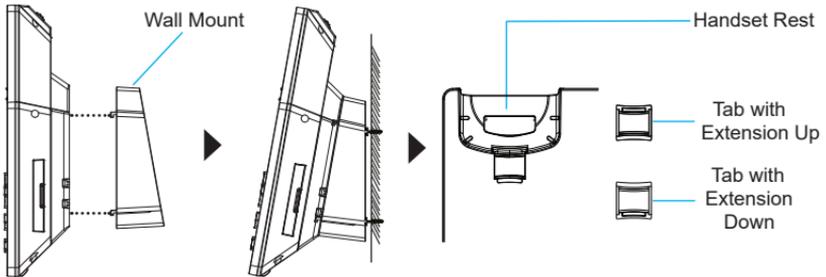

Connecting the ITSV-2

1. Connect the handset and main unit case with the phone cord.
2. Connect the LAN Port of the unit to the RJ45 socket of a hub/switch or a router (LAN side of the router) using the Ethernet cable.
3. Connect the 12V DC output plug to the power jack on the unit and plug the power adapter into an electrical outlet. If a PoE switch is used in step 2, this step can be skipped.
4. The LCD will display booting up or firmware upgrading information. Before continuing, please wait for the main screen display to appear.
5. Using the web configuration interface or the menu of the touch screen, you can further configure network connection using static IP, DHCP, etc.
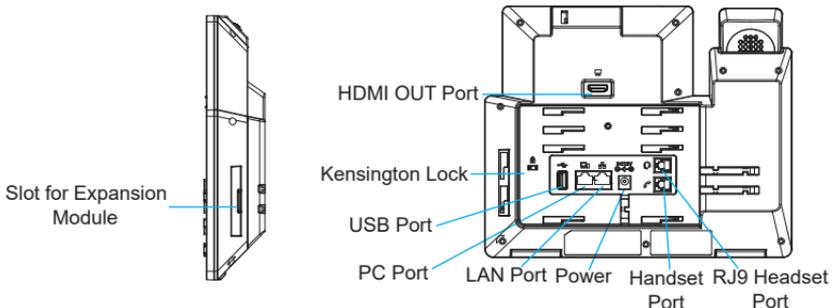
Tips for Using the ITSV-2 Keys

- Message Waiting Indicator
- HOME
- VOLUME UP
- VOLUME DOWN
- MENU
- BACK
- Conference
- Transfer
- Send
- Mute
- Headset
- Speaker
- Standard Keypad
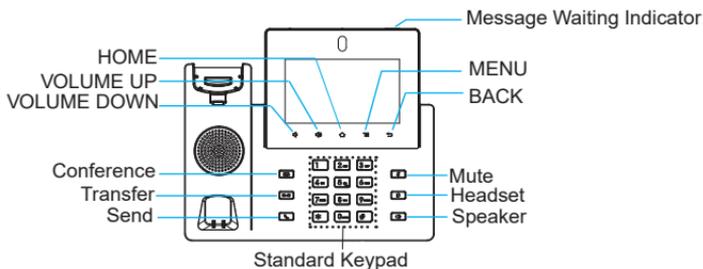
- ● VOLUME: Press the UP or DOWN keys to adjust the volume on the ITSV-2.
- ● HOME: Press the HOME key to return to the default idle screen. Press and hold the HOME key for 2 seconds to take a screenshot.
- ● MENU: Press the MENU key to access the unit's display settings, edit widgets and thread manager. Press and hold the MENU key for 2 seconds to enter the managing application interface directly.
- ● BACK: Press the BACK key to go back to the previous menu.

ITSV-2 Configuration

- • For further information on the configuration for ICX-AlphaCom, SIP, and IC-EDGE, please see Zenitel Wiki

Configuring the ITSV-2 Using Touch Screen

1. Make sure the unit is properly powered up, in idle screen mode and connected to the network.
2. Select **Settings** > **Advanced** > **Account settings**. Tap on one of the Accounts to configure **Account name**, **SIP server** (ICX-AlphaCom or IC-EDGE), **SIP user ID** (Extension Number), **SIP authentication ID** (if required) and **SIP authentication password** (if required).

   Note: *For changes to take immediate effect, it may be necessary to temporarily disable the account. Do this by setting **Account activation** to **OFF** and tapping **OK**. Then re-enable your account by setting **Account activation** to **ON** and tapping **OK**.*
3. Follow the LCD menu options to configure other settings on the unit. For example, to configure static IP on the ITSV-2, set up static IP address via menu **Settings** > **Network** > **Ethernet settings**.
4. If you want to see your accounts on your home screen, press the **Home** button. Press the **Menu** button, and select **Widgets**. Several account display widgets will appear. Select and drag the widget to the home screen.

Configuring the ITSV-2 Using Web Browser

1. Ensure your ITSV-2 is properly powered up and connected to the Internet.
2. To find the IP address of the ITSV-2, use the touch screen and tap **Settings** > **Status** > **Network status** > **IPv4 address**
3. Enter the IP address of the ITSV-2 into your browser.
4. Log in by entering the default username / password: **admin** / **alphaadmin**

Note:
After logging in for the very first time, you will be prompted to change the password.

5. To register an account on the ITSV-2:
   - Select **Account** > **Account 1/2/3/4/5/6...** > **General Settings**
6. Set **Account Name**, **SIP Server** (ICX-AlphaCom or IC-EDGE), **SIP User ID** (Directory Number), **SIP Authentication ID** (if required) and **SIP Authentication Password** (if required).
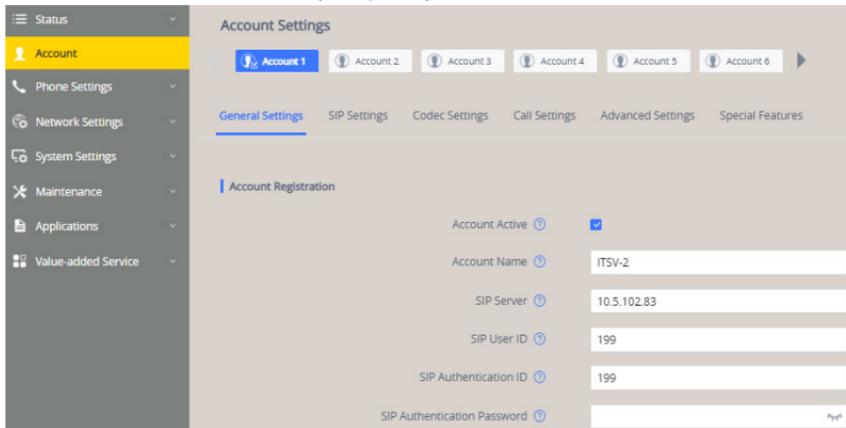
Note: *For changes to take immediate effect, it may be necessary to temporarily disable the account. First uncheck the box for* **Account Active**, *then click* **Save** *and* **Apply** *(button appears in yellow bar at top of browser). Once this is done, re-enable the account by checking the box for* **Account Active** *followed by* **Save** *and* **Apply** *again.*

The following sections describes how the ITSV-2 is configured to work together with the TCIV+ Video Intercoms TCIV-2+/TCIV-3+/TCIV-5+/TCIV-6+.

ICX-AlphaCom Configuration

- Log into the ITSV-2 by entering default username / password: **admin** / **alphaadmin**

ICX-AlphaCom ITSV-2 Account Setup

- Select **Account** > **Account 1** > **General Settings**

- Enter values the **Account Registration** parameters
    Account Active: Check **Yes** box
    SIP Server: IP address of **ICX-AlphaCom** (see **Main Settings** in TCIV+)
    SIP User ID: Directory Number of **ITSV-2**
    SIP Authentication ID: Same as SIP User ID

ICX-AlphaCom ITSV-2 Codec Settings

- Check in AlphaPro under **Users & Stations** the codec that has been selected for SIP phones (normally **G722**)
- Select **Account 1** > **Codec Settings**


- Under **Preferred Audio Codec** remove all codecs from the **Selected** list except the one defined in AlphaPro, i.e. **G722**

- Under **Preferred Video Codec** select **H264**

ICX-AlphaCom ITSV-2 Video Configuration

The video is streamed in H.264 format over RTSP protocol from the TCIV+ camera to the ITSV-2. The TCIV+ camera must have a static IP address.

- Select **Account 1** > **Call Settings**

General Settings	SIP Settings	Codec Settings	Call Settings	Advanced Settings	Special Features

Call Features		
Enable Video Call ⓘ	Default	⌄
Start Video Automatically ⓘ	☑	

- Check the box for **Start Video Automatically**
- Select **Value-added Service** > **Add**

	Value-added Service (1/10)	
🌐 Network Settings ⌄	Service Type ⓘ	Door System ⌄
🖥 System Settings ⌄	Door System Type ⓘ	Vingtor Stentofon ⌄
🛠 Maintenance ⌄	System Number ⓘ	Configure
📄 Applications ⌄	Display Name ⓘ	Camera List 1
🔲 Value-added Service ⌃	Access Password ⓘ	·············· 👁
Value-added Service	System Ringtone ⓘ	DingDong ⌄
		Add Cancel

- **Service Type**: Select **Door System** from the dropdown box
- **Door System Type**: Select **Vingtor Stentofon** from the dropdown box
- **Display Name**: Name of Camera List
- **System Ringtone**: This will be used for calls from any station in the camera list. It is possible to add several camera lists and use a different ringtone for each list.
- Click **Configure** for **System Number** to open the camera list

System Number Config

Please note: only when enable preview function in general settings, will preview function here take effect.

Enable ⓘ	System Number ⓘ	System Address ⓘ	Enable Preview
☑	311	rtsp://admin:alphaadmin@10.9.5.6:554/media	☑
☑	312	rtsp://admin:alphaadmin@10.9.5.6:554/media	☑

- Enter the directory number and camera URL of the TCIV+ station

System Number: **Directory Number of TCIV+ station**

System Address: **rtsp://<user:password>@<TCIV+ IP address>:<port no.>/media?encoder=H264**

Example: **rtsp://admin:alphaadmin@10.9.5.6:554/media?encoder=H264**

Note: For TCIV units, System Address = **rtsp://admin:alphaadmin@10.9.5.6:554/1/RTSP/video**

IC-EDGE Configuration

The ITSV-2 has to be manually added to the Edge Controller.
- Log on to the Edge Controller
- Select **Edge Controller** > **System Configuration** > **Directory**
- Under **Manually Added Devices** click the **+** button to select
  Vingtor-Stentofon Device from the dropdown list

For further information on the configuration of IC-EDGE, please see Zenitel Wiki
- Log into the ITSV-2 by entering default username / password: **admin** / **alphaadmin**

IC-EDGE ITSV-2 Account Setup

- Select **Account** > **Account 2** > **General Settings**
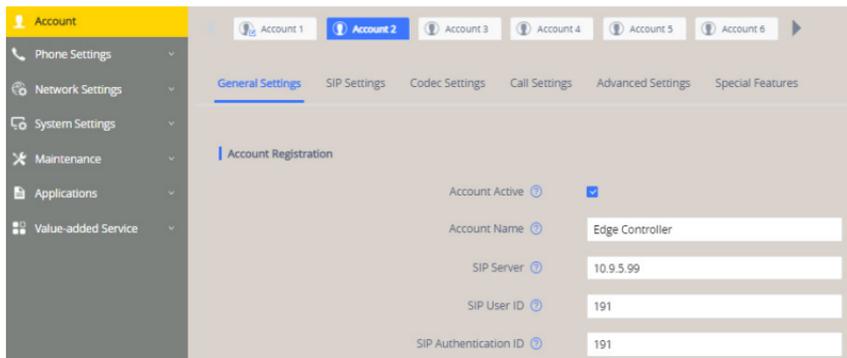
- Enter values for the **Account Registration** parameters
  Account Active: Check **Yes** box
  SIP Server: IP address of intercom station set as **Edge Controller**
  SIP User ID: Directory Number of the **ITSV-2**
  SIP Authentication ID: Same as **SIP User ID**

IC-EDGE ITSV-2 Video Configuration

The video is streamed directly from the TCIV+ camera to the ITSV-2. The TCIV+ camera must have a static IP address.
- Select **Account 1** > **Call Settings**

- Check the box for **Start Video Automatically**

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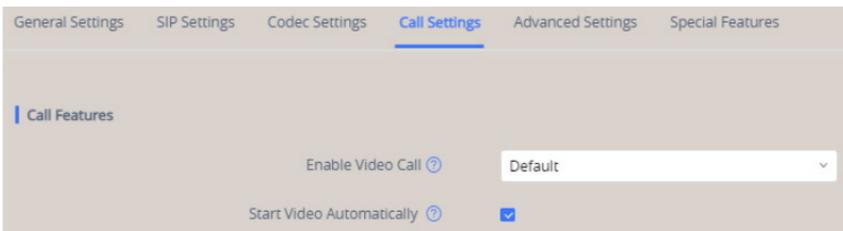
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