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AEi COMMUNICATIONS VX-3X08-BU Series Single or Dual-Line SIP Base and WiFi Cordless Extension Phones User Guide

Contents

AEi COMMUNICATIONS VX-3X08-BU Series Single or Dual-Line SIP Base and WiFi Cordless Extension Phones

Product Information

The VX-3X08-BU(S), VX-3108-BU(S), and VX-3208-BU(S) are full-feature telephones that provide voice communication. These phones come with various features and accessories to enhance the user experience.

Package Contents

- VX-3108-BU(S) or VX-3208-BU(S) Wi-Fi Handset phone
- Charging Stand
- Battery
- AC/DC Adaptor
- User Guide (This document)

Product Description

The phone has a front view with the following components:

- Name Display screen
- SELECT SERVICES key
- Right / Left key
- LINE 1 / LINE 2 / LINE END key
- Alphanumerical keys
- Function keys

The phone also includes additional features such as HOLD, MUTE, VOLUME control, MESSAGE, GUEST SERVICES, and EMERGENCY keys. These keys provide various functionalities like call management, volume adjustment, accessing voice messages, contacting guest services, and making emergency calls. The phone comes with a charging stand that has a USB Charger port for connecting to mobile equipment charging cable.

Battery Installation
To install the battery, follow the steps below:

1. Refer to the illustration provided in the user manual.
2. Insert the handset and battery as shown in the illustration.

Web Configuration
To set up the VX-3×08 handset from web configuration manually, follow the steps below:

1. Boot the handset to the AP mode by removing the phone battery, pressing and holding the red button, and then reinstalling the battery.
2. The VX-3208 handset will start up and display its AP mode SSID, Password, and AP IP address.
3. Use your laptop to connect to the VX-3208 AP.
4. Open a web browser and go to **http://192.168.4.1:8000**.
5. Enter the username/password as admin/1234 to log in.

System Information
After logging in, the system information will be displayed as follows:

WIFI
Setup the Wi-Fi SSID, Password, and IP type.

- WIFI SSID: The WIFI SSID
- WIFI PASSWORD: The WIFI Password
- WIFI IP Type: The default is DHCP.

VoIP
Setup the SIP account for VoIP communication.

- Switch: Check Enable to enable SIP registration or Disable to disable the SIP account temporarily.
- Display Name: The name of the phone or the location of the phone on the remote party.
- User Name: User name of the SIP account, also known as user ID or extension number.
- Authentication Name: SIP authentication name.
- Password: Password of the SIP account.
- Register Domain: FQDN, SIP domain name, or IP address of the SIP server.
- Register IP: IP address of the SIP Server. If the listening port is different from 5060, add the port at the end of the address.
- Register Backup Domain: IP address of the secondary SIP server.

Overview
This phone is a full-feature telephone that provides voice communication. Read this user guide carefully to learn how to operate this product and take advantage of its features.

Package Contents
When unpacking the device, ensure all the following items are present and undamaged. If anything appears to be missing or broken, contact your dealer for a replacement.

1. VX-3108-BU(S) or VX-3208-BU(S) Wi-Fi Handset phone

2. Charging Stand

3. Battery

4. AC/DC Adaptor

5. User Guide (This document)

Product Description

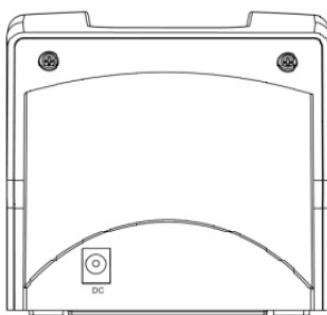The following contains important information to help you familiarize with the functions of the phone.
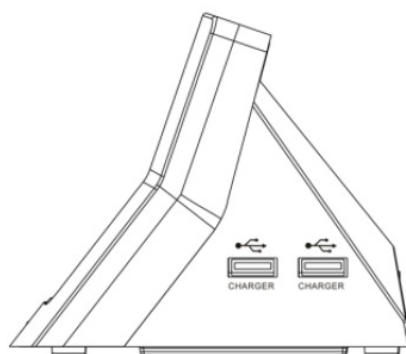
Front View

Name	Description
Display screen	Display calls and status information.
SELECT SERVICES key	Press to enter scrollable guest services
Right / Left key	Press to select guest service.
LINE 1 / LINE 2 / LINE	Line key(S) to make a call or answer a call.
END key	Press to end the phone call.
Alphanumerical keys	Press these keys to enter phone numbers.
Function keys	

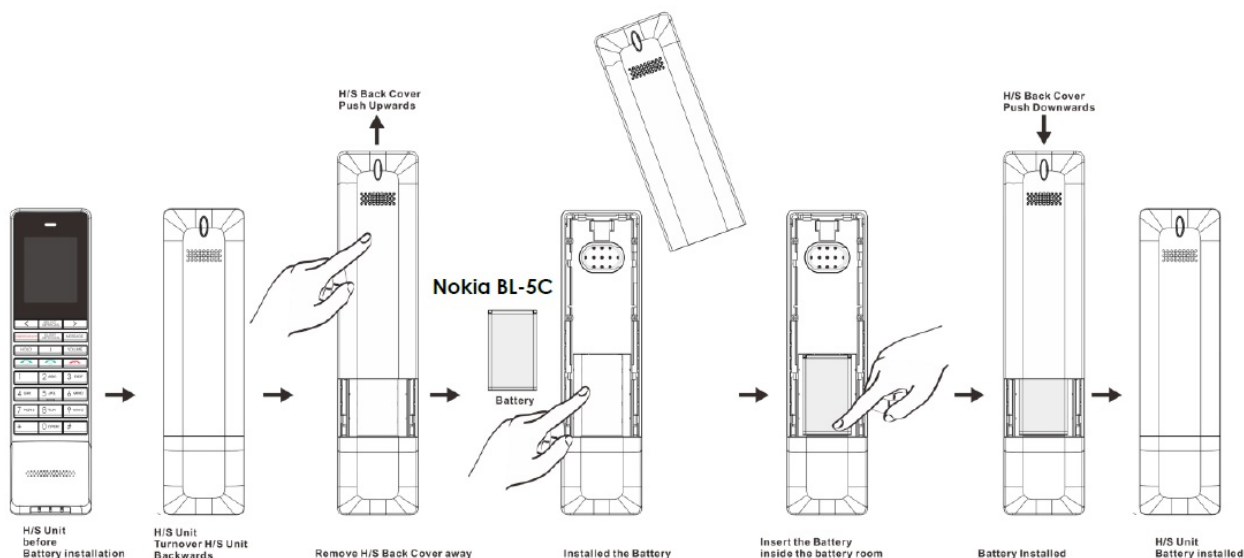| Name	Description
HOLD (2 line only)	Press to put an active call on hold.
MUTE (single line only)	Press to mute MIC.
i	Press to access dialing instructions.
VOLUME	Press to increase or decrease the volume of the ringer tone, handset, or the volume of the current call.
MESSAGE	Press to listen to voice messages.
GUEST SERVICES	Press to contact guest services.
EMERGENCY	Press to make an emergency call.

Charging stand rear view

Charging stand-side view

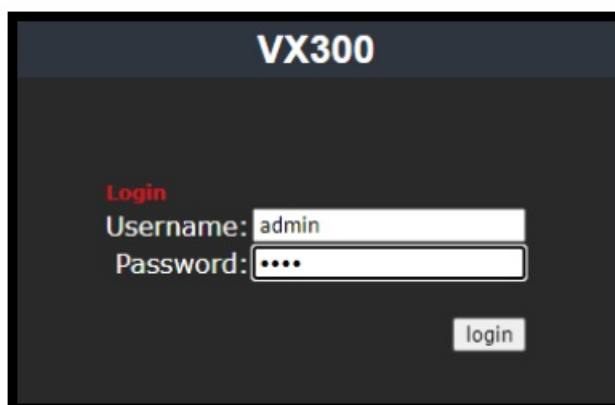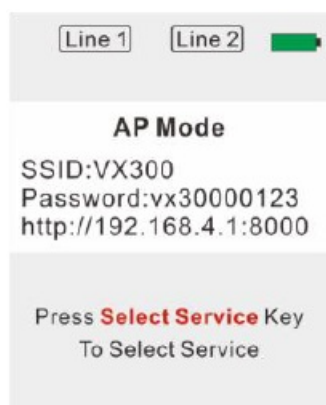| Name	Description
USB Charger port	Connects to mobile equipment charging cable.

Battery Installation
The following illustration shows how to install the handset and battery.

Web Configuration

Web Login

To set up the VX-3×08 handset from web configuration manually, boot the handset to the AP mode. Please remove the phone battery, press and hold the red button, and then reinstall the battery. The VX-3208 handset will start up and display its AP mode SSID, Password, and AP IP address. Please use your laptop to connect the VX-3208 AP and then connect the phone at **http://192.168.4.1:8000** via a web browser by using username/password as admin/1234.

After logging in, the system information shows as below.

WIFI

Set up the Wi-Fi SSID, Password and IP type.

WIFI Setup

WIFI SSID :	FAE
WIFI PASSWORD:	1234567890
WIFI IP Type:	DHCP

Submit

WIFI SSID
The WIFI SSID

WIFI PASSWORD
The WIFI Password

WIFI IP Type
The default is DHCP.

VoIP
Setup the SIP account

VoIP Setup

Status
WIFI
VoIP
Speed Dial
System

Switch :	Enable
Display name :	1361
User name :	1361
Authentication Name :	1361
Password :	1361
Register Domain :	192.168.168.249
Register IP :	192.168.168.249:5060
Register Backup Domain :	
Register Backup IP :	
First Codec :	G.711 U
Second Codec :	G.711 A
Frame Size :	20 ms
2833 PayLoad :	101
SIP Local Port :	5060
RTP Port :	42000
Expire :	300
MWI :	Disable
DNS SRV :	Disable
Keep Alive :	Disable
DTMF Type :	RFC 2833
Caller ID :	Disable

Submit

Switch
Check "Enable" to enable SIP registration or "Disable" to disable the SIP account temporarily.

Display Name
Display Name is the name of the phone or the location of the phone on the remote party.

User name
User name of the SIP account, also known as user ID or extension number.

Authentication Name
Authentication Name is for SIP authentication.

Password
The password of the SIP account

Register Domain
FQDN, SIP domain name or IP address of the SIP server
For example, voip.aeicommunications.com or 172.8.12.11

Register IP
IP address of the SIP Server
If the listening port of the SIP Server is different from 5060, please add the port to at end of the address. Ex 172.8.12.11:5061

Register Backup Domain
IP address of the secondary SIP server
For example, 172.8.12.12

Register Backup IP
IP address of the secondary SIP Server
For example, 172.8.12.12

Codec Priority
Select the 2 codec priority.

Frame Size

- Frame size for G711u and G711a.
- G711 ranges from 20ms and 40ms.
- 2833 Payload: (Default, 101)
- DTMF RFC2833 Payload Type, ranging from 96 ~ 127

SIP Local Port: (Default, 5060)
SIP Local port

RTP Port Base: (Default, 42000)
The port of RTP starts

Expire: (Default, 600)
SIP registration expiration time (seconds); select from 60, 120, 300 and 600

MWI: (Default, Disable)
Enable to subscribe message waiting for information.

DNSSRV: (Default, Disable)
Enable DNSSRV query

Keep Alive: (Default, Disable)
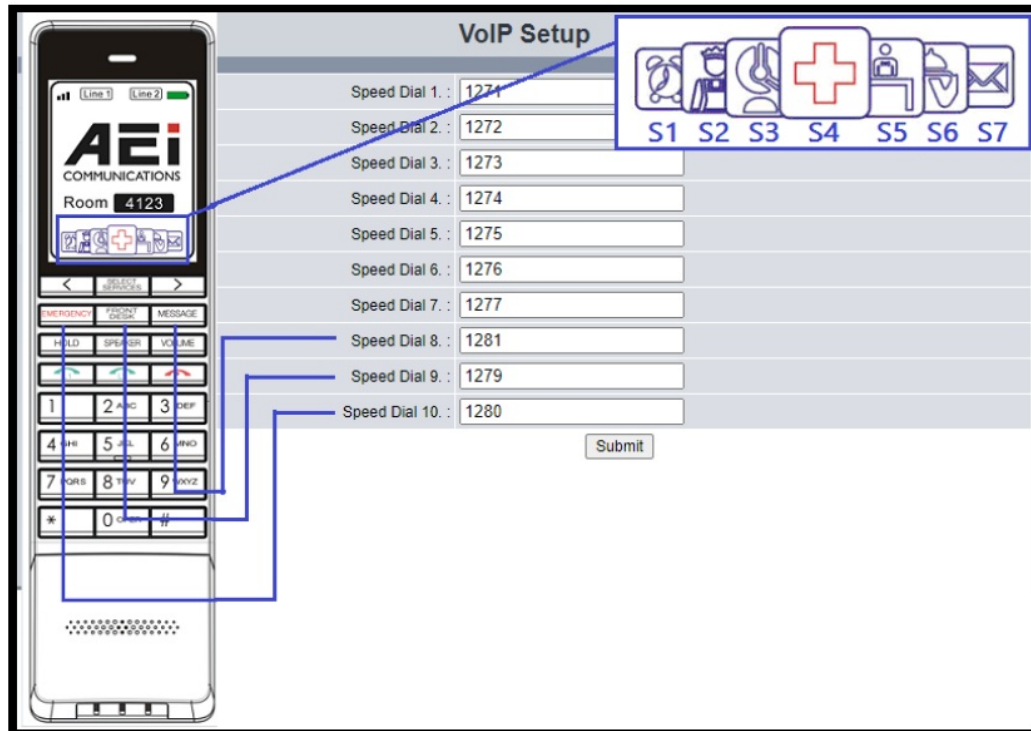Send keep alive package to keep the SIP registration from being blocked

DTMF Type: (Default, RFC 2833)
DTMF for transmitting digits, * and #; select from RFC2833, SIP Info and In Band

Caller ID: (Default, Disable)
Display the caller id of an incoming call

Speed Dial

- SPEED DIAL 1 ~ 7: 7 scrollable service keys.
- SPEED DIAL 8 ~ 10: the physical hard service keys from left to right respectively.

System

Server
The IP address information of the server, for example, 192.168.1.54. The phone will retrieve the .cfg file.

Provision File
The name (room number) of the provision file in the root folder of the server.

- Ex.1234: 1234.cfg

- Empty MAC.cfg

- Upgrade Protocol: (Default, TFTP)

  Select the firmware upgrade protocol, TFTP or HTTP.

- Firmware

  The file name of the firmware in the root folder of the server

- Partition

  The file name of the UI package in the root folder of the server

- Reboot

  Click "Reboot" to restart the phone.

- Default

  Click "Default" to reset the phone to factory default

Quick commands

Enable AP mode
Remove the battery. Press and hold the red button, and then reinstall the battery

Set the TFTP Provision Server IP
Ex. 192.168.5.2 6861*192*168*5*2# Green-key (Line 1)

Update phone setting (provisioning) via room number: Ex. Room number 888 6862*888# Green-key (Line 1)

Update phone setting (provisioning) via MAC
6862*# Green-key (Line 1)

Engineering setup menu
6863*

Reboot Init Sync
To sync the phone settings (WIFI SSID, WIFI password, provision server) from other configured phones
Step 1: Configure the 1st phone from the web interface: WIFI setting, provision server, and make sure the 1st phone is able to connect to the WIFI AP and download a configuration file.

Step 2: Remove the battery of 1st phone, press and hold the red button, and then reinstall the battery. The 1st phone will boot to AP mode and display the AP mode SSID, Password, and IP address.
Step3: Press **6863*# and select Init Sync on the 2nd phone. The 2nd phone will auto-connect to the 1st phone and sync the WIFI SSID, WIFI password, and provision server from the 1st phone.
Step4: Reboot the 2nd phone. The 2nd phone with connect to the WIFI AP and download the provision file.

- SystemInfo

  To display the MAC information and WIFI status.

- ProvisionInfo

  To display the provision information.

- SIPInfo

  To display the SIP account information.

- Factory Rest

  To reset the phone to factory default.

- Firmware Upgrade

  To upgrade the phone firmware.

- Parturition Upgrade

    To upgrade the phone User Interface.

- Pair Mode

    To connect the VX handset to other AEI Wi-Fi master phones.

- Debug Mode

    To enable debug mode when the phone cannot register to PABX

Operations

Answering a Call
An incoming call is indicated by a ringing tone and a flashing indicator at the top of the handset. You can answer the call by doing the followings: Press the LINE (LINE1/LINE2) key on the handset to answer the call.

Making a Call
Press the LINE key will see all dialing descriptions for this phone set. You can make the call by doing one of the following:

- Enter the telephone number with the alphanumerical keypad.
- After entering the number you want to call, press the # key to force dialing or wait for 4 seconds before the number is dialed automatically.
- Using the service function keys on the handset

- Use the pre-assigned service function to configure the most commonly dialed numbers.

To call a number using speed service dialing, follow the steps below:

- Press the SELECT SERVICES key and use the right/left key to select the service.
- Press the SELECT SERVICES key again to precede the service dial.
- Charging the Handset Battery
- Install the battery into the handset.
- Place the handset onto the base unit and the base unit will start to charge the handset automatically.
- This icon will show on your display during charging progress.

Checking Voice Messages
If the message waiting indicator at the top of the handset lights up in red, it indicates that there are one or more new messages in the voicemail box. Press the MESSAGE key on the phone to retrieve voice messages. (An external ITSP or PBX must support the voice message feature. And you need to set a voice message code before using the voice mail feature.)

Support

For further technological support, please email to **support@aeicommunication.com**.

Record of Revision

Date	ver.	Description
2022/6/14	1.0	First issue
2022/9/14	1.1	Update for firmware v0.04

Documents / Resources

AEi VX-3X08-BU(S) VX-3108-BU(S), VX-3208-BU(S) User Guide v1.1	**AEi COMMUNICATIONS VX-3X08-BU Series Single or Dual-Line SIP Base and WiFi Cordless Extension Phones** [pdf] User Guide VX-3108-BU S, VX-3208-BU S, VX-3X08-BU, VX-3X08-BU Series, Single or Dual-Line SIP Base and WiFi Cordless Extension Phones, VX-3X08-BU Series Single or Dual-Line SIP Base and WiFi Cordless Extension Phones

References

- **Web Server's Default Page**