VAH 200 User Manual

Contents

VAH 200 User Manual

1. Product Introduction

AIRUS USB Phone (VAH 200) is a wireless Skype™ phone, which allows you to make and receive Skype calls from at a handset without being confined to a PC. The Skype services provided on the PC are now moved to the LCD Disply-equipped handset. The regular PC-to-PC Skype calls, SkypeOut™ calls, Skype-In™ calls, and features including Contact list browsing, miss-call lists, call histories, Hold, Profile viewing, are provided. Beside, the echo-eliminating technology improves the voice quality. VAH 200 also can be used as the handset when talking through MSN Messenger™ and Yahoo Messenger™. Once correctly installed, you are able to use this phone anywhere in a home or office like a mobile phone, as long as it is within the proximity of 30 meters from the PC, which runs Skype.

1.1   Features
- Good immunity to other 2.4GHz RF interference
- Bluetooth 1.1 compliant with Adaptive Frequency Hopping
- 25-30 meters from PC
- Friendly call handling and operation by LCD display and function keys
- Stylish mobile handset design, comfortable to use and carry
- Concurrent Contact list, Missing call list, and Call history as in PC
- Support Skype Versions 1.03, 1.04, 2.0 and 2.5 Beta
- Earphone support
- Implement Echo-elimination technology for quality sound
- Built-in Li-Ion battery for up to 5 hours talking time and 2 days standby time.
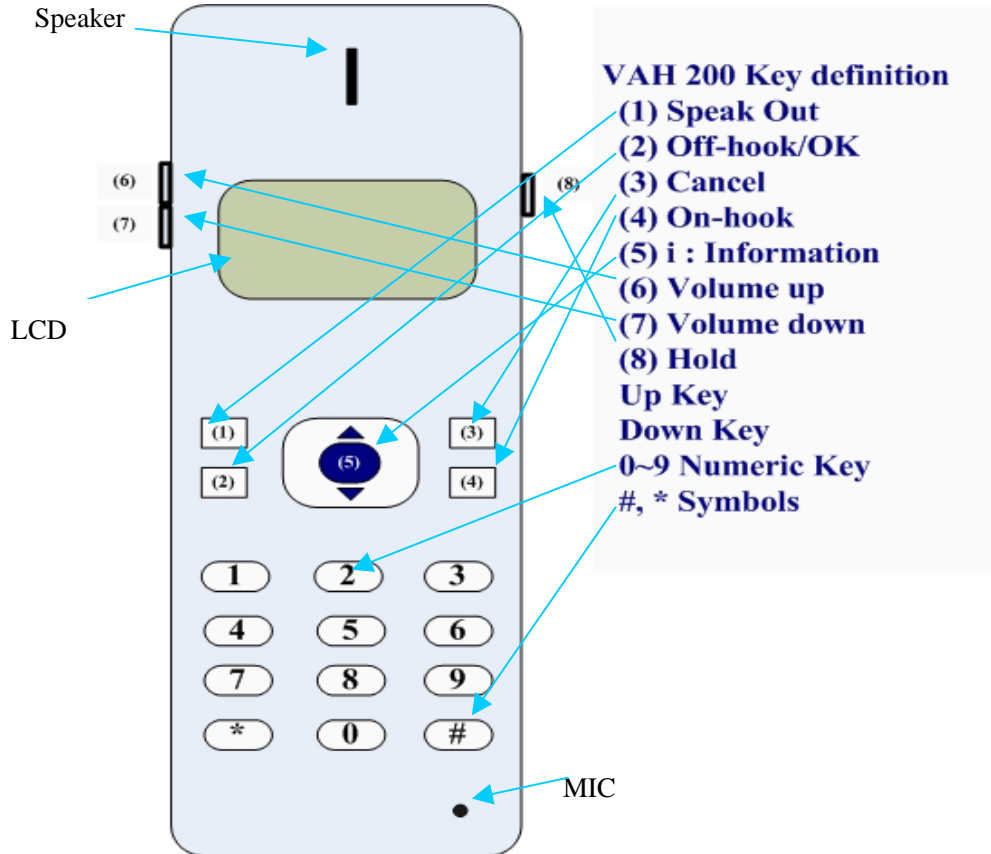- 5 types of hold music and 10 types of ringers

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1.2   Packing Contents

VAH 200 Wireless Skype handset x1

VAH 200 USB dongle x 1

Installation CD x 1 (API Software and user manual)

USB Cable x 1

1.3 Hardware and Button Introduction

Speaker

LCD

VAH 200 Key definition
(1) Speak Out
(2) Off-hook/OK
(3) Cancel
(4) On-hook
(5) i : Information
(6) Volume up
(7) Volume down
(8) Hold
Up Key
Down Key
0~9 Numeric Key
#, * Symbols

MIC

1	Speaker	Speaker	
2	LCD Screen	Display information of Skype	
3	Scroll Up/Down	Select list of contact list, missed call list, called list	
4	Hold	Hold the Skype call	
5	Speak Out	Hand free use	
6	Off-hook/OK	Off-hook	make or answer a call (Power on)
		Enter	sub-menu entering
		Confirm	for option setting
7	Info	Skype friends Profile like Cell phone number …etc	
8	Digits Keys	Skype out dialer button	
9	Volume Up/Down	Adjust Volume Up and Down	
10	On-Hook	Hang up a call (Power off)	
		Escape sub-menu	
11	Cancel	Press & hold to delete all dialed numbers	
		Press to delete one dialed number	
12	Microphone	Microphone	

13	Phone Jack	Connect top Earphone
14	Mini USB	MiniUSB Jack to connect to PC USB for power recharge

1.4 LCD Description
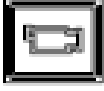
USER Name
15:32:15
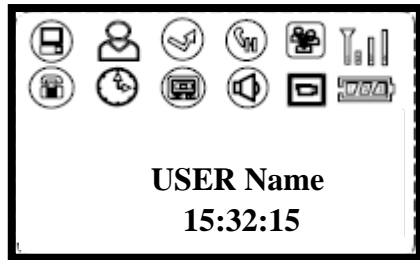
Device Status Icon

Online	Show Call List User Online status
Voice Mail	Voice mail indicator(reserved for future)
▊▊▊	RF signal strength indication
🔋	Battery meter

Device Function Icon

Icon	Meaning	What users can do
👤	Shows Contact List Username/Alias	1. Press "**Scroll Up/Down"** to select whom to contact 2. Press "**Info**" key to display the Contact's profile 3. Press "**Off-Hook**" key to make a call to the cotact
↗	Shows Missed call list User name/Alias	1. Press "**Scroll Up/Down"** to select whom to contact 2. Press "**Info**" key to display the Contact's profile 3. Press "**Off-Hook**" key to make a call to the cotact

	Shows Call List Username/Alias	1. Press "**Scroll Up/Down"** to select whom to contact 2. Press "**Info**" key to display the Contact's profile 3. Pr\ess "**Off-Hook**" key to make a call to the cotact
	Handset Setting	1. Volume setting: 8 levels 2. Display Name setting: Uasername/Alias 3. Key Tone Setting: Key Tone On/Off 4. Ring Setting: 10 melofies + PC Ring Tone 5. Music on Hold setting: 10 melodies + Mute

2. Installation

2.1 Installing Skype Software

If Skype is not yet installed on your computer, please download the latest version of the software from http://www.skype.com

Double-click the installation file you downloaded and then follow the on-screen prompts to complete the installation.

If you have any installation problem about Skype, please refer to Q&A on Skype Website.

2.2 Installing the API Software

(1)Install the Utility CD into your CD-ROM drive; Double Click My Computer on the desktop, then choose CD-ROM drive.
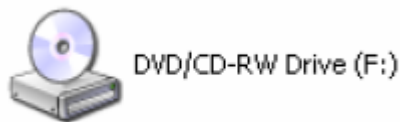
(2)Click the "setup" program to start the installation.

(3)Follow the pop-up window and click "next"

(4)Continue next window and Click "Next". Or if you want to change the driver folder, click "browse", and designate the folder you want, and then click "Next".

(5)Click Finish button to complete installation.

(6) Now the driver installation is completed. Please take a look at the small icon located at the Window System Tray, which is at the right-bottom corner of desktop screen. The icon indicates the status of the AIRUS USB Skyphone.
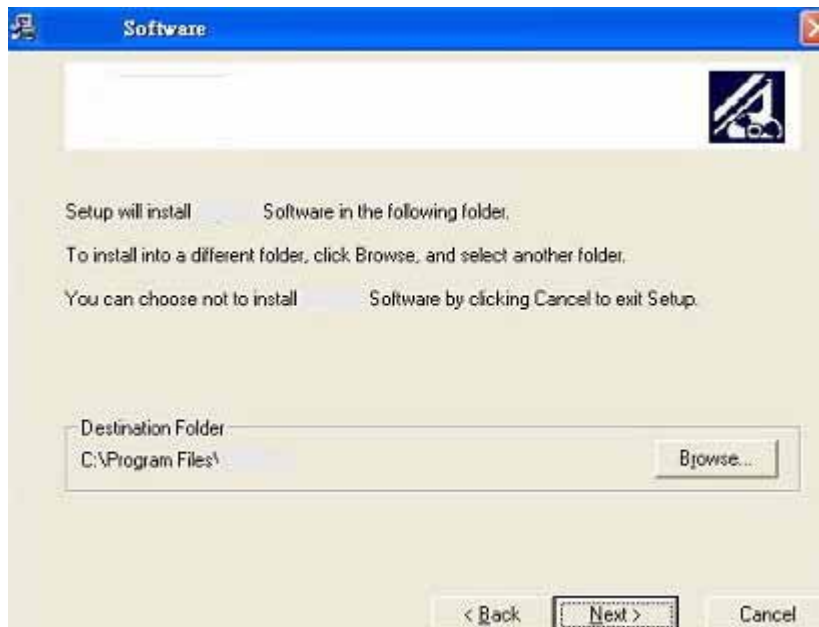
	SkypePhone On line
	USB Dongle is not connected
	Skype not talk to SkyWin driver
	Skype Not Installed on PC

For example, if your USB dongle is not yet inserted into USB port, the above second icon will appear. Please continue with next step.

2.3 **Hardware Installation**

First, you may want to select a USB port on your PC. Make sure there is no metallic stuffs surrounding the USB port at close proximity. This may hinder RF signal from transmitting. Then insert the AIRUS Skype USB dongle into USB port. After a few seconds, you will see the blue LED on the USB Dongle flashing

at frequency of 2-3 seconds. Meanwhile, the following pop-up window will appear on your PC screen. You may select either "Allow this program to use Skype", or "Allow this program to use Skype, but ask again in the future".   And then click "OK".

If you select "Allow this program to use Skype", you will not see this pop-up screen appear again next time when you re-install the driver.

2.4 Setting Audio and Sound Device
Open Skype window, click **Tools   Options   Sound Devices**. In the items " Audio In" and "Audio Out", please select "**USB AUDIO DEVICE"**, then click **Save**.
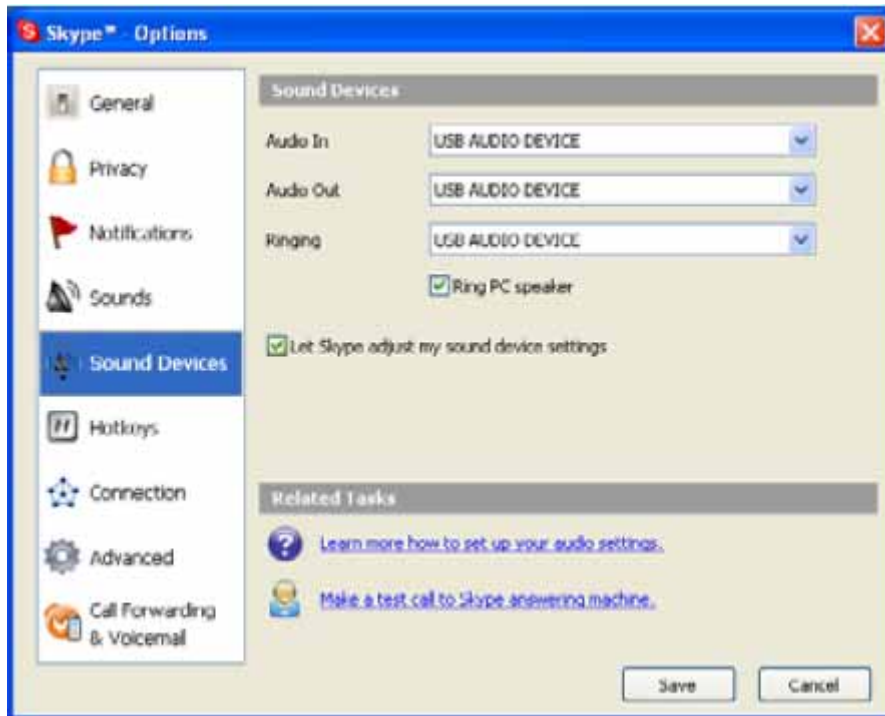
This will make sure that PC will not mix the Skype Phone with other Sound devices

3. Function Instruction

3.1 Power Up

By pressing the "Off-Hook" button for a couple of seconds, the handset will power up, showing all the icons, and clock.

3.2 Power Down

By pressing the "On-Hook" button for a couple of seconds, the handset will power down.

3.3 Basic Operation and Option

In clock mode. Pressing "**Off-Hook**" will display the Skype table. Users may press the "**On-hook**" to quit.

Pressing "**Up**" or "**Down**" arrow to browse the Skype table. Pressing the "**Off-hook**" button to enter the table; Users mat exit the table by pressing "**On-hook**" button. The following table describes the Contents in the Skype table.

CONTACT			Contact list
MISS LIST			Missed Calls
CALL LIST			Calls list

	VOL SET	0~7	8 level volume adjustment
	HOLD SET	HOLD MUTE	Mute
		HOLD 01~05	5 hold melodies
	RING SET	RING 01~10	10 types of ringers
OPTION		RING PC	Remain PC default
	KEY TONE	TONE OFF	Turn off key tone
		TONE ON	Turn on key tone
	NAME SET	USERNAME	Users'account
		ALIAS	Nickname
	RING VOL	0~5	The volume of ring

3.4 Calling a Skype User

While the Contact, Miss list, or Call list in the Skype table.

You may press "**Up**" and "**Down**" key to scroll the list. Then press Dial "**Off-Hook**" to dial for target user via Skype.

If you want to cancel the dialing, you may press "**On-Hook**".

3.5 Calling a Phone Number (SkypeOut)

Before starting to use this function, please make sure you have paid for the service.

Further information about Skype Out, Please go to web

http://www.skype.com/

Dial the phone number by pressing the Digit keypads.

Press the "**Off-Hook**" to call the number.

Please note that all the telephone number dialed in SkypeOut service shall be pre-fixed by "00" and destination "Country Code". Namely, the digit strings shall contain the following

00 + Country Code + Area code + phone number

3.6 Answer a Call

When the USB Phone is ringing on an incoming call, Press "**Off-Hook**" to answer the call.

3.7 Adjust Volume

Use "**Volume Up**"/"**Volume Down**" button to control the volume while calling to other.
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3.8 Assign Speed-Dial

Open Skype window, right-click the user name on the contact list and select Assign Speed-Dial.

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Set speed dial number, example "11" and press "**Off-Hook**"

Press number "11" on VAH 200, this number will be shown on the LCD screen, then press **"Off-Hook"** on VAH 200 to call out.

4. API Program Instruction

Right-click the VAH 200 icon in the System Tray, there are two items on the list.

About
Exit

4.1 About

The window shows the information of USB Phone API.

4.2 Exit

To quit the API program.

5. Battery Power Recharge

Connect the USB cable's Mini-USB male end into the handset. And connect the other end into a PC's USB port. The Handset will start to charge the power. It will take 3-4 hours to fully charge the handset.

6. Other IM Software Setting

6.1 MSN Messenger

Open MSN Messenger window, Click Tools   Audio and Video Setup….Follow the installation wizard, select to USB AUDIO DEVICE as audio device and test.
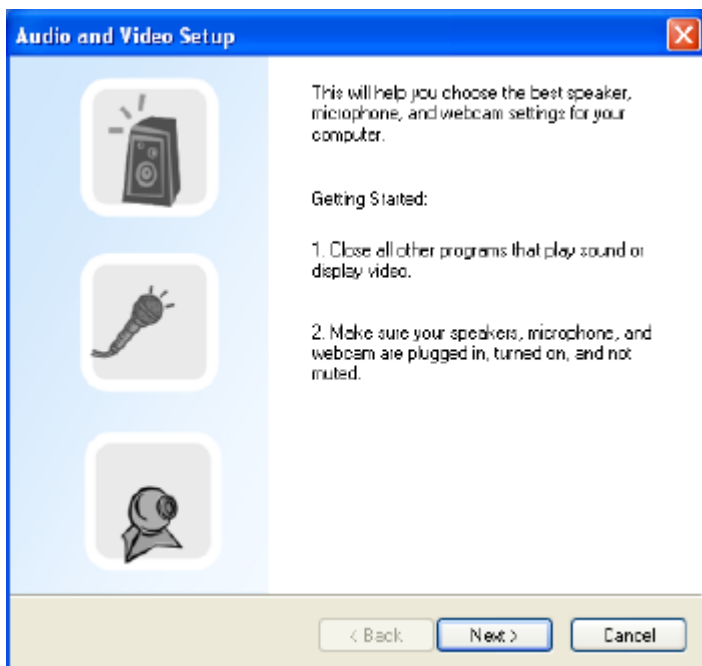
6.2 Yahoo Messenger

Open Yahoo Messenger, Click Action   Call Setup….Follow the installation wizard, select to USB AUDIO DEVICE as audio device and test.

7. FAQ

Q1. Skype is installed and works well without the VAH 200. But it has no response when I first install the VAH 200 and press any key of the handset does not help.

Answer. 1. Make sure the Dongle is plugged into a USB port of PC

2. Make sure the Handset is powered up

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Q2. The Dongle has been plugged into a USB port of a PC. But the blue LED keeps on flashing

Answer: Make sure you have powered up the handset. If the handset has been powered up, but the LCD on the Dongle still keep on flashing, the handset and Dongle are not communicating. Make sure there is no other dongle the Handset is trying or has pair up with. Then powered up the handset again.

Q3. The handset has been synchronized with the Dongle(with LCD steady), but the clock on the handset ticks from 00:00:00, not at the same time of date as of PC's.

Answer: Check the VAH 200 icon on the System tray. If "USB Dongle not connected", re-insert the dongle again. If it is "Skype does not talk to VAH 200 driver", you may un-install the driver, and install again, following the steps in this manual. If "Skype not installed on the PC", you shall install it.

Q4. How to un-install the SkyWin driver?

Answer: go to PC's "Console"(Start->Setting->Console), select "Add or

Remove program", then click "VAH 200". And click the program removal.

Q4. When you try to browse through the Contact list, the LCD display shows "Contacts". But you cannot go any further to the detailed list.

Answer: Make sure the Skyphone is ready (the VAH 200 icon on the System tray is "Skyphone online". If yes, wait several seconds will help. Occasionally the wireless transmission may become slow due to traffic congestion. If otherwise, please refer Q3..

Q5. While using Skype or Messanger software, the voice is coming from PC instead of from handset

Answer: Make sure you have configured the Phone as USB Audio Devices. Refer **2.4 Setting Audio and Sound Device** and **3.57Adjust Volume.** In addition, please also refer to **6.1 MSN Messenger setting i**n MSN Messenger,

Q6. There is no voice coming out when play music?

Answer. Please go to PC's **Control Panel** → **Sound and Audio Devices**, set the default device of **Sound playback** and **Sound Recording** to PC sound card, it shown as below:
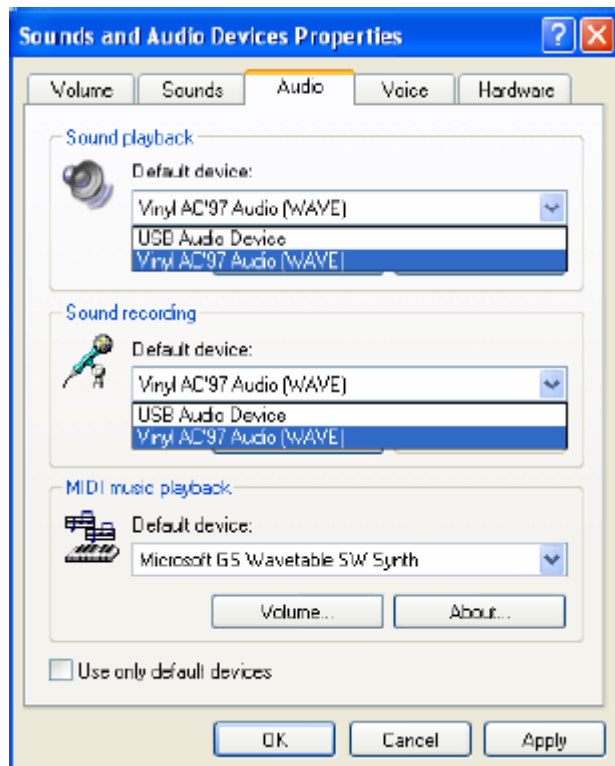
Q7. The other end cannot hear my voice when in Skype calls.

 Answer: Check if your Handset is muted.

8. Specification

Support OS	Window 2000 / XP
Interface	USB 1.1
Audio Frequence	100 Hz to 15KHz
Signal / Noise Description	90 dB
Power Requirement	USB Powering
Current Consumption	Active mode: 170 mA Silent Mode: 45 mA Standby mode: 9 mA Inactive: 0.3mA
Wireless Technology	Bluetooth 1.1 with AFH
RF Frequency	2.4-2.4835GHz
Transmit power	16 dBm
Receive Sensitivity	-80dBm
Max. number of Contact list, Miss list, Call record	Unlimited, as on PC
Phone call types	PC-to-PC(Skype), PC-to Phone(Skype Out)
Other IM/Internet phone support	Yahoo! Messanger, M/S MSN
Function Keys	M(Information), Power on/off , Clear, Hold, Off-hook, On-Hook, Volume Up, Volume Down, Up, Down
Audio devices	Ringer: Buzzer Microphone Speaker
EarPhone support	Phone jack
System Reset	Reset button
Battery	Rechageable Li-Ion 700 mhA
Battery Indicator	Low power, Charging, and capacity icon on LCD
RF Signal indicator	RSSI with 4 level icon on LCD
LCD	10 Icons and 128 x 32 dot-matrix mono LCD
Operate Temperature	0 to 40
Storage Temperature	-10 to 60
Operate Humidity	< 90 %
Storage Humidity	< 95%
Dimension	125 x 45 x 15mm
Weight	75 (Handset with Battery)