



**USB VoIP Gateway  
SKD-200  
User's Manual**

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The is a class B device, In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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## Revision

User's Manual for PLANET USB VoIP Gateway

Model: SKD-200

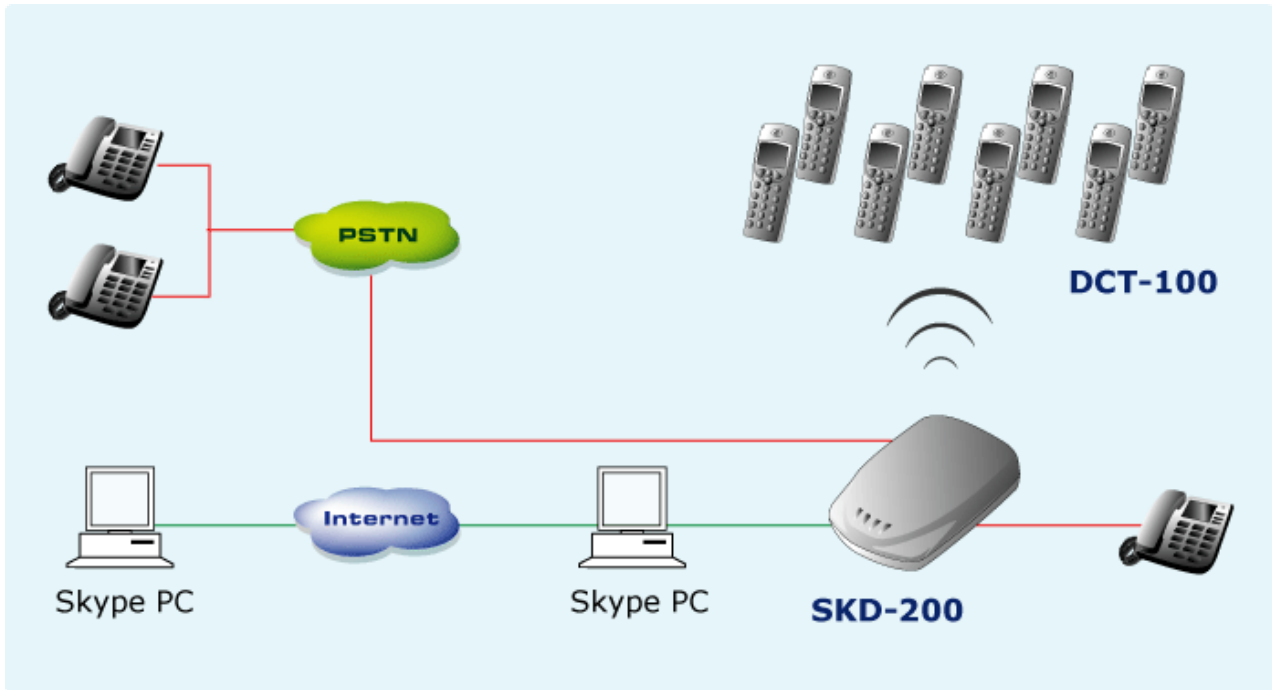
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# Chapter 1 Introduction

Thank you for choosing SKD-200 USB VoIP Gateway, this product can be used as like as normal PSTN phone plus Skype phone feature. It bundles with a DECT handset to register to SKD-200 for making Skype/PSTN anywhere. SKD-200 can support computer / laptop to make Skype VoIP calls around the world; also make SkypeOut call for lower phone billed.



## SKD-200 Features

- Free Internet Call from Skype to Skype
- Switch to browse the Skype contact list on DECT handset
- Selective call between Skype/ PSTN
- USB1.1 compatible
- Support USB power or external power

## DECT Features

- DECT & GAP Compatible
- Base can register up to 8 Handsets
- Intercom call during external call, Call transfer between • handsets , three-way telephone meeting
- CID 50 locations
- Redial memory: 3 locations, 20 digits
- Adjustable ringer volume & melody
- 100 hours standby time, 10 hours talk time

- Hands-Free, Mute function
- Call duration time meter
- Transmitted distance: up to 50~200m indoor / up to 300m outdoor

## **Package contents**

- SKD-200 Base x 1
- Adaptor for SKD-200, 5V DC x 1
- DECT handset x 1
- Charger for DECT handset x 1
- Adaptor for DECT handset, 9V DC x 1
- USB cable x 1
- Telephone line (RJ-11) x 1
- AAA Rechargeable batteries x 3
- Belt clip x 1
- Quick Guide
- Installation CD-ROM

## **System requirements**

### **Minimum System Requirements :**

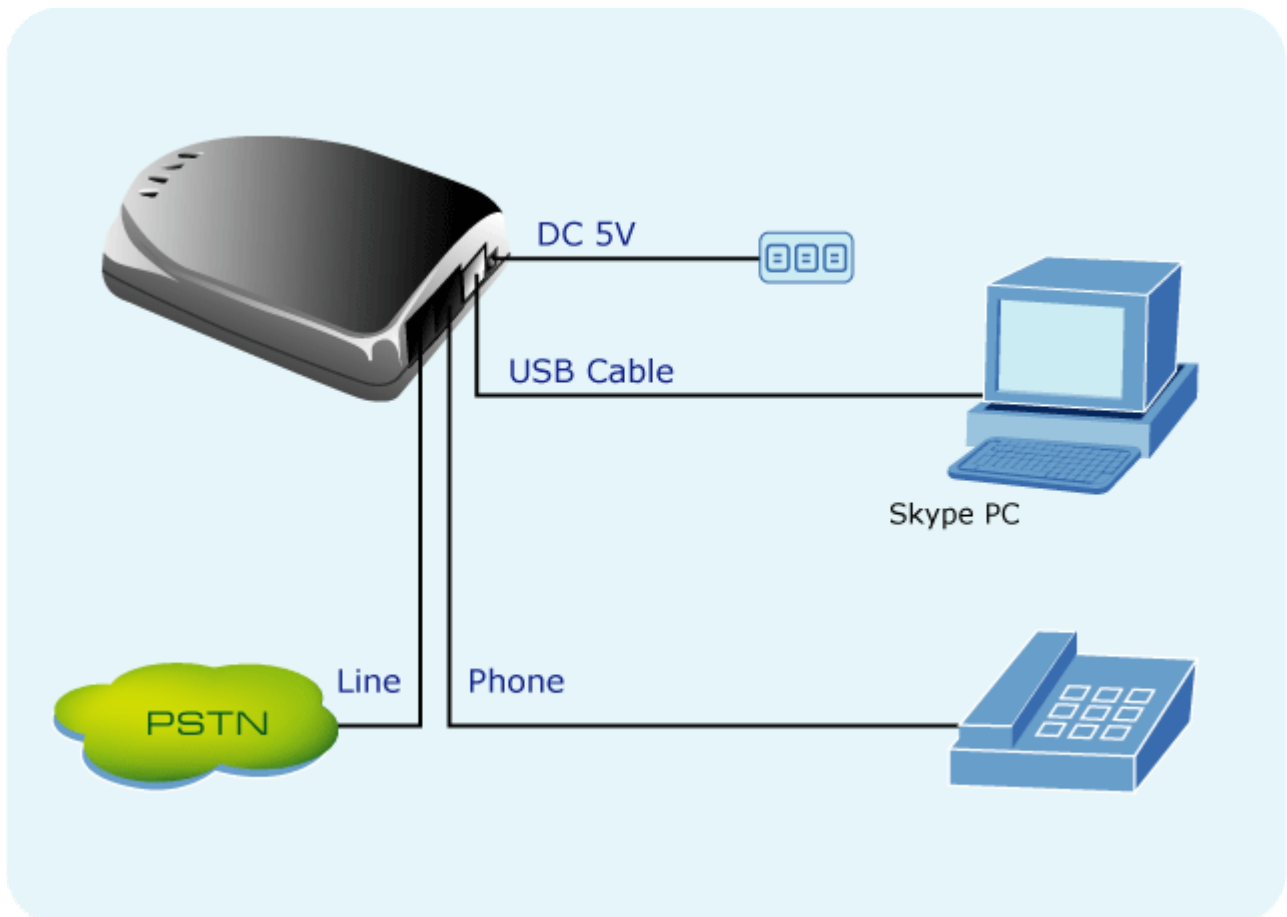
- Microsoft Windows 2000/ XP/2003 server
- 400MHz CPU
- 128MB RAM
- 15MB free Disk Space
- CD-ROM drive
- Internet connection (any broadband: :ADSL or Cable )
- Standard telephone landline subscription (PSTN)

### **Recommended System Requirements**

- Microsoft Windows 2000/ XP/2003 server
- 1GHz CPU
- 256MB RAM
- 30MB free Disk Space
- CD-ROM drive
- Internet connection (any broadband: ADSL or Cable)
- Standard telephone landline subscription (PSTN)

## 2.1 Hardware Details

### SKD-200 Hardware



### LED Display

LED Indicators	Descriptions
<b>Ready</b>	LED will light when SKD-200 utility and hardware is installed properly
<b>VoIP</b>	LED will light when Skype VoIP is talking
<b>PSTN</b>	LED will light when PSTN line is in use
<b>Power</b>	LED will light when USB or Adapter power is on




## Port Connection

Port	Descriptions
<b>Line</b>	For connecting to PSTN line
<b>Phone</b>	For connecting to a phone set
<b>USB</b>	For connecting to a computer or laptop
<b>DC5V</b>	Adapter 5V in (For enhance the power when USB hub is used)

## DECT Introduction



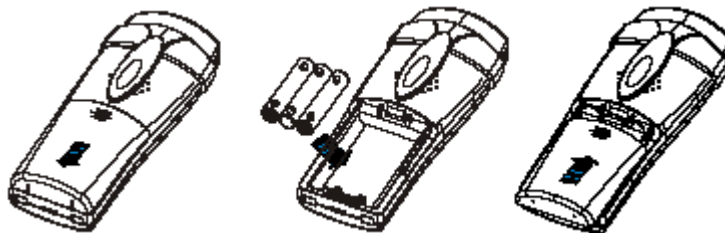
Overview of DECT handset DCT-100

	Descriptions
<b>INT</b>	Intercom conversation mode
	Adjust the volume level during the conversation and menu selection on the LCD display
	Last Number Redial
	Hang on / up telephone or pressing until to enable the speaker.
<b>C</b>	Cancel and Clear
<b>R</b>	Power on / off
<b>Number 0 –9 and #</b>	The function is as the same as the general phone set
<b>* #</b>	Enter Skype mode

## DECT Handset Installation

The three rechargeable Ni-MH batteries (AAA size) come with your phone. Install the batteries before using your phone.

1. Slide the battery cover in the direction of the arrow and pull it out.
2. Remove old batteries, if any, and insert new batteries as indicated, matching correct polarity (+, -).
3. Replace the battery cover, slide the cover up until it snaps shut.



### Note

- This phone won't work by itself. It should be registered to the main base unit inside the SKD-200
- Before initial using, it should be charged for 24 hours.



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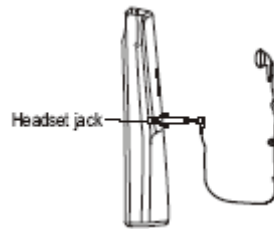
## ↳ Note

- Reversing the orientation may damage the handset.
  - The battery needs to be replaced if it does not recover its full storage capacity after recharging.
  - When replacing batteries, always use good quality Ni-MH re-chargeable AAA size batteries.
  - Never use other batteries or conventional alkaline batteries.
- 

## Using Headset (optional)

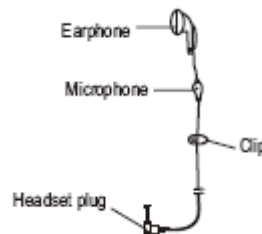
The headset jack is located in the middle right side of the handset and is 2.5mm standard plug.

Simply plug the headset into the jack and the headset will be activated.



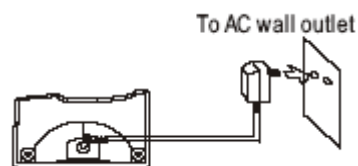
### Note:

When the headset is plugged into the headset jack, the microphone on the handset will be deactivated.



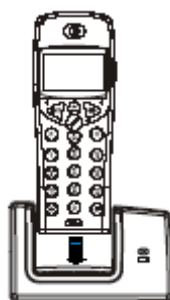
## Charger

Connect the modular end of the power adapter to the power jack of the charger, and plug the other end into a standard AC wall outlet.



## Charging Handset

Before initial operation, YOU SHOULD FULLY CHARGE THE HANDSET for 24 hours. To charge the handset, just place it on the charger. When charging, the handset is automatically turned on and the battery icon on the display will blink.














## 2.2 DECT Screen Display



This area displays in-use information such as the caller's number, menus, call duration, etc.

In standby mode, the display will show the signal strength icon, battery status icon, handset and base number.

<p> Signal strength icon: This icon is always displayed when your phone is on, and shows the current signal strength. More bars indicate more signal strength.</p>	<p> Mute icon: This icon indicates that the phone is in mute conversation mode.</p>
<p> Lock icon: This icon indicates that the key lock function is activated.</p>	<p> Line icon: The icon is displayed when the line is engaged. L1 means PSTN line is engaged. L2 means Skype VoIP line is engaged. L3 means Intercom is engaged.</p>
<p> In use icon: This icon indicates that the phone is in use mode.</p>	<p> Intercom icon This icon indicates that the phone is in the intercom conversation mode.</p>
<p> Speakerphone icon: This icon indicates that the phone is in speakerphone mode.</p>	<p> Operation icon This icon indicates that the phone is in the operation mode.</p>
<p> Caller ID icon This icon indicates that there is a new call. To view the call, access the Caller ID menu.</p>	<p> Hot call This icon indicates that the hot call function is activated.</p>
<p> Battery status icon This icon is displayed at all times when your phone is on, and shows the level of your battery charge. The more bars, the greater the charge. During charging, the icon will flash.</p>	

## 2.3 SKD-200 utility setup



Step1:  
Run Setup



Step2:  
Select a language and press  
ok



Step3:  
Setup wizard appears and  
press Next



Step4:  
License Agreement and  
press I Agree



Step5:  
Finish setup and Run  
SKS-200 utility



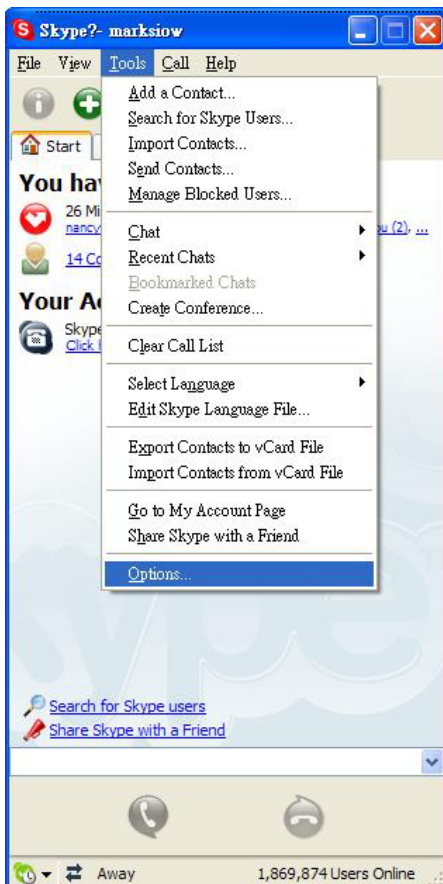
Step6:  
Fist time to run SKD-200, the  
Skype will show the  
message, please choose  
Allow this program to use  
Skype



**Step7:**

The SKD-200 utility will check whether the status (Skype and Hardware) is ok or not.

Note: Make sure the SKD-200 device is connected and Skype is online on this computer or notebook.



**Step8:**

First time running SKD-200, please also check the sound devices on Skype

Go to tools→options



Step9:

In Sound Devices please  
make sure:

Audio In → USB device

Audio out →USB device

Ringing →USB device

# Chapter 3 DCT-100 handset operation

## 3.1 Icon Status





▲ The Hardware and Skype are running properly.







▲ The Hardware or Skype are not ready.

## 3.2 Basic Function

- Turn Handset On/Off**
1. To turn the handset on when the display is off, press and hold the **R** button.
  2. To turn the handset off, press and hold the **R** button until "Good-Bye" displays. Then the display will turn off.

- Download Skype contact list or phone book to DECT Handset**
1. Pick up the handset and press the  button.
  2. Dial \* # to enter skype mode
  3. Dial number 1 to switch phone book step by step, and press # to make a call
  4. Dial number 0 to switch contact list step by step , and press # to make a call
  5. Dial 2~9 to switch contact list (account name) form A~Z letters step by step , and press # to make a call
  6. To end the call, either press the  button or replace the handset on the charger.



- Make a Speed dial**
1. Pick up the handset and press the  button.
  2. Dial \* (speed dial number) # , ex: \*66#
  3. To end the call, either press the  button or replace the handset on the charger.

- Make a SkypeOut call ( without smart country code )**
1. Pick up the handset and press the  button.
  2. Dial \* 00+country code+ area code+ telephone number #
  3. To end the call, either press the  button or replace the handset on the charger.



- Make a SkypeOut call**
1. Input 00+ country code in the SKD-200 utility Country Code column, ex:

**( with smart country code )**



00886 (Taiwan's country code is 886)

2. Pick up the handset and press the  button.
3. Dial \* area code + telephone #
4. To end the call, either press the  button or replace the handset on the charger.





**Make a PSTN Call**

1. Pick up the handset and press the  button.
2. Dial a PSTN phone number.
3. To end the call, either press the  button or replace the handset on the charger.




**Receiving a Call**

1. When a call is coming, press button  to answer it.
2. To end the call, either press the  button or replace the handset on the charger.

**Using Speaker Phone**

1. To turn the speakerphone on, press  and hold the button until the icon  appears on the display.
2. To turn the speakerphone off, press and hold the  button until the icon  disappears on the display.

**Muting the Microphone**

1. To mute the microphone, press the  button while  icon appears.
2. To turn to the normal mode, press  button once more.


**Note:** In the mute mode, the icon will appear  on the display.

**Adjusting Voice Volume**

1. Press  or  button to adjust the volume level.


**Note:** During a call, you can adjust the earpiece volume from level 1 to 9.

**Register Handset**

1. Turn on USB or Adapter power (the base will open to register for 1 minutes)
2. Press  button to go to **HS register**, press INT button to enter.
3. Select the desired DECT base (Base1 for example). Press **INT** key, DCT-100 will display **Searching....** on the LCD screen
4. Wait till a machine hardware ID shows up, ex: 002F5-11708H, then press **INT**
5. When machine prompts for PIN number, inert PIN number 1590 then press INT, then DCT-100 will start to register to base and showing Searching....
6. Once the registration is completed, the DCT-100 will show **HS x, Base y** on the screen. (**x** is the registered handset number and **y** is the registered DECT base.)

**Note:** Registration is available

**Clear Registration**



1. Power off the DCT-100 handset.
2. Press the INT button and R power on button together, and DO NOT release the buttons till the LCD displays "F->clear Subs"
3. Press the  button to clear the handset base settings.
4. Wait till "**Not Sub**" displayed; it is now not registering to any DECT base.

**Transfer Call**


1. During handset 1 (**HS1**) conversation, press the **INT** button and enter the



desired handset number. (in this sample, we press the 2 to transfer the call to HS2)

2. The desired handset 2 (HS2) will ring; press the  button to answer the call.
3. At this moment, press the  button on handset 1 (HS1), the voice call is now transferred to the handset 2 (HS2).
4. If the handset 2 not answer the call, and you'd like to cancel the transfer. On handset 1 (HS1), press the INT button, the call will be re-connected handset 1 (HS1) again.

#### **Conference Call**

1. During handset 1 (HS1) conversation, press the INT button and enter the desired handset number. (in this sample, we press the 2 to transfer the call to HS2)
2. The desired handset 2 (HS2) will ring, press the  button to answer the call.
3. At this moment, press and hold the # key for 3 seconds on HS1, and the desired handset HS2 will be joined in the voice conferencing.

# Appendix A Product Specification

## DCT-100 DECT handset specifications

Frequency	1880 ~ 1895 MHz
Channel	10 Channel
Bandwidth	1.728Mhz
Modulate Mode	GFSK
Output power	10mW, average output per channel
Data transfer	1.152Mbps
Audio decode	ADPCM (32Kbps)
Distance (Depended the environment)	Outdoor Max 300m Indoor Max 50m
Using Time	Standby: 100 hours Talking: 10 hours
Power Supply Required	Base unit: Output 5V/50Hz Handset: Output 9V/50Hz
Environmental condition	Nominal temperature: 0 ~ 40 Relative humidity: 10% ~ 95% Atmospheric pressure: 86KPa ~ 106KPa Environmental noise: 60 dB(A)