Soft Phone
Quick Start Guide

Version: 1.0

Firmware Version: V1.0.0

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1. Introduction

Soft Phone delivering telephony capabilities to any PC provides ultimate mobility to employees and customers even on the road. Users can just dial the same number to reach their account manager / service representation even they are traveling.

Soft Phone offers the functionality of ZRTP which is enabled in default to enhance the security of communication. **Both ends with Soft Phone installed or devices with ZRTP feature** can have the secure communication due to the voice data encrypted.
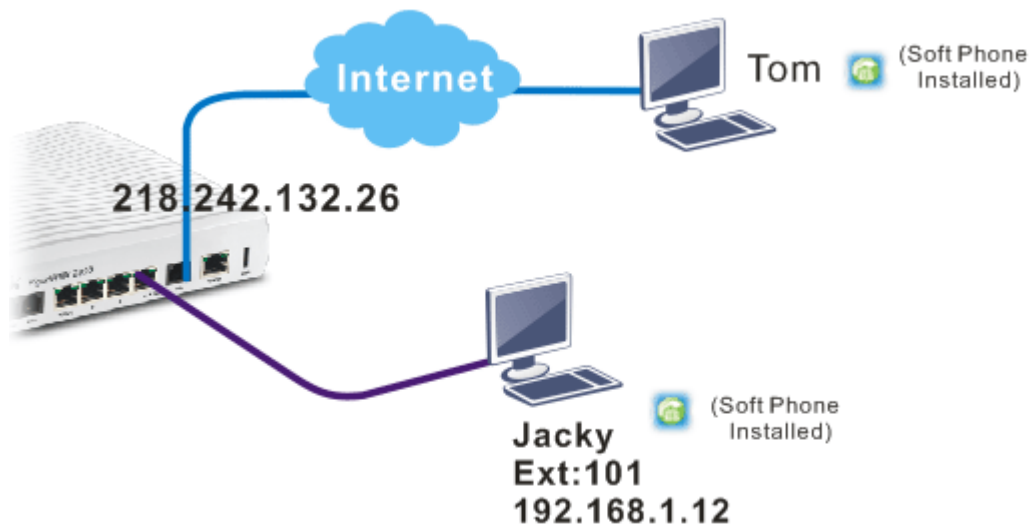
2. Installation

Before using it, please follow the steps below to install Soft Phone onto your computer.

1. Run the DrayTek Soft Phone program, e.g., Setup by double clicking the installation icon.

2. When the following setup wizard appears, please click **Next**.

3. Choose **"I accept the agreement"** and click **Next**.
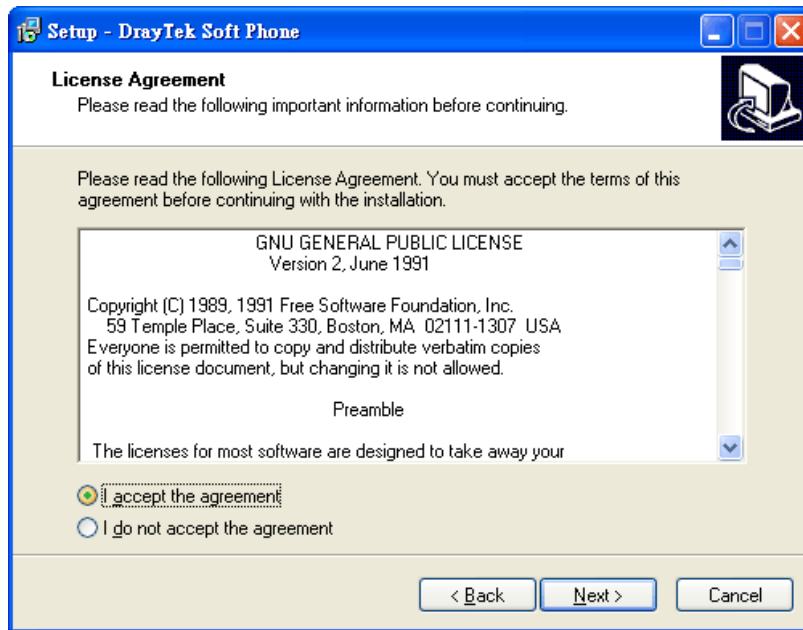
4. If you want to change destination location, simply click Browse to choose another place. Then, click **Next**.
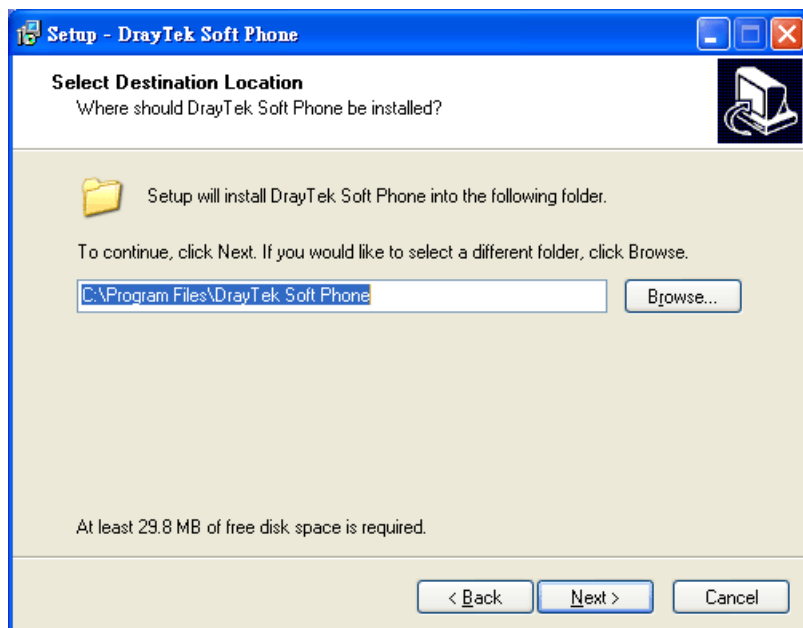
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5. Click **Next**.

6. Click **Next**, again.

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7. Now, click **Install** to execute the installation procedure.

8. When the following screen appears, click **Finish**.

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3. Registration

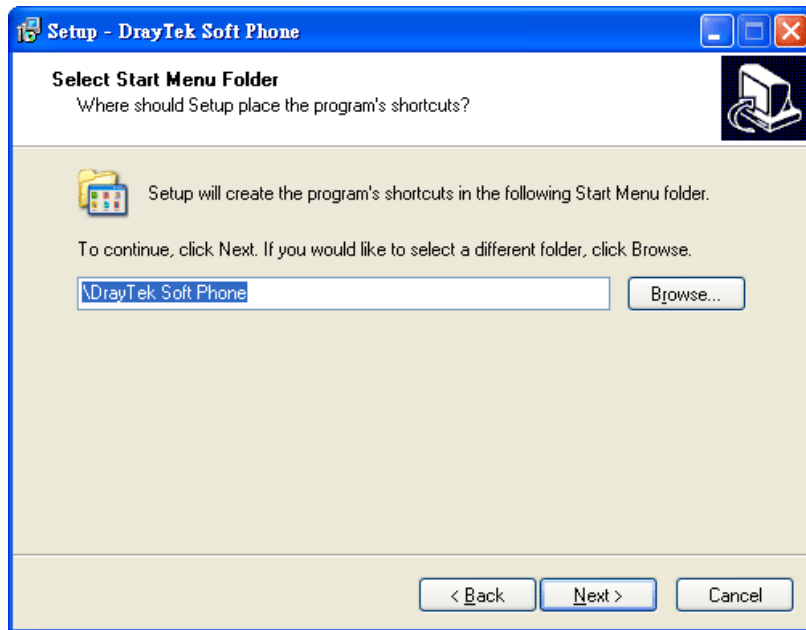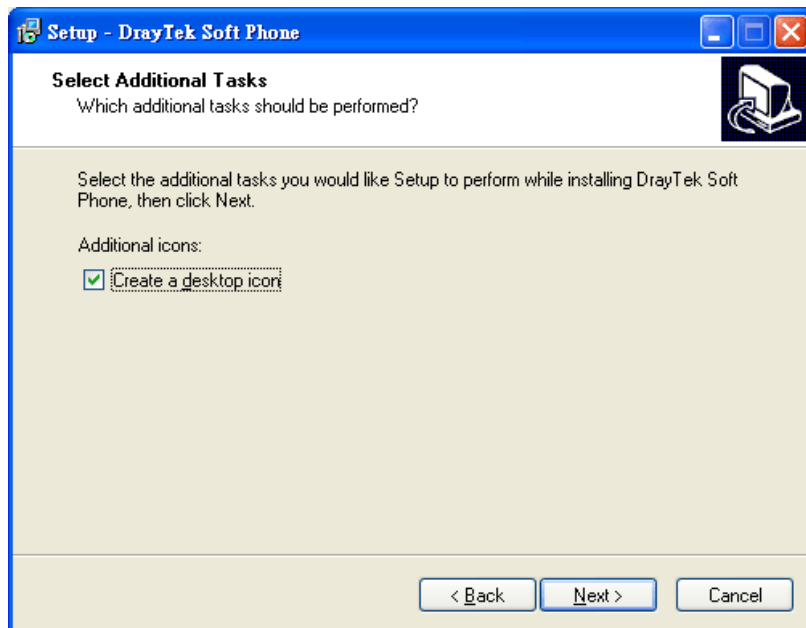To use the soft phone via network, you have to register a SIP account from DrayTek VigorIPPBX 2820 or VigorIPPBX 3510 first. Below shows an example of registration for your reference.

Register Extensions to Vigor router

DrayTek VigorIPPBX 2820 supports Software based SIP phones. Here we will introduce how to use Soft Phone to register extension(s) to VigorIPPBX 2820. Refer to the following graphic.
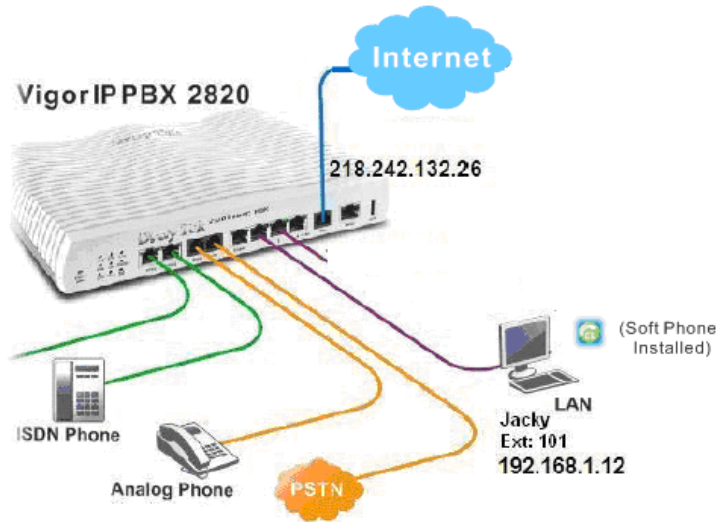
- VigorIPPBX 2820 acts as an SIP server with WAN IP: 218.242.132.26 and LAN IP: 192.168.1.1.

- Jacky uses the Soft Phone registered to VigorIPPBX 2820 via LAN.

Setup the extensions on VigorIPPBX 2820

1. Enter the **IP PBX >> Extension Profile** setup page and configure the relevant extension profile.

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2. After finishing the settings, you may have the following table.

IP PBX >> Extension

Internal Phone Extension

Index	Ext.	Name	Email Address	Outgoing Call	Status
1.	101	Jacky		SIP1	v
2.	---	---		SIP1	v
3.	---	---		SIP1	v
4.	---	---		SIP1 ISDN2-TE	v
5.	---	---		SIP1	v
6.	---	---		SIP1 SIP2 SIP3 SIP4 SIP5 SIP6 ISDN2-TE	x
7.	---	---		SIP1 SIP2 SIP3 SIP4 SIP5 SIP6 ISDN2-TE	x

Setup the VoIP clients to register extensions

Jacky is using Soft Phone, a VoIP softphone, for registering his extension 101 to VigorIPPBX 2820.

Start the **Soft Phone**. Click the **Setting>>SIP** tab from the **DrayTek Soft Phone** dialog. Click **Add** to open the following dialog. Type the information for Jacky.

Configure SIP account

Configure a SIP account

SIP Proxy address:	192.168.1.1
Registration duration (sec):	3600
Username:	Jacky
Password:	●●●●

OK   Cancel

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4. Using Soft Phone

After finish the Soft Phone, the software will be popped up automatically.

Configuring SIP Account

After registering an account from an SIP proxy server, please keep the application information which will be used for Soft Phone.

Before making a phone call through Soft Phone, configure the SIP account will be required.

1. Click the **Setting>>SIP** tab from the **DrayTek Soft Phone** dialog.
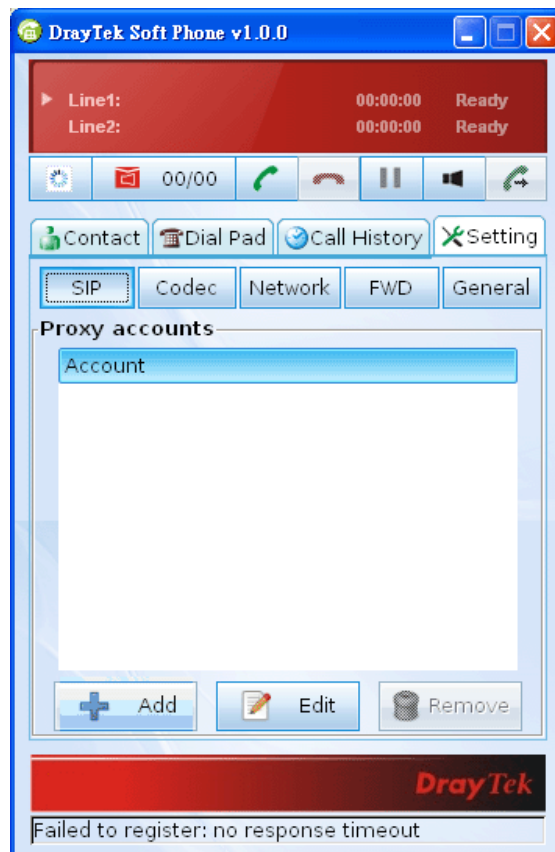
2. Click **Add** to open the following dialog. Type the information that you obtained from the ISP.

3. Click **OK** to save the configuration and exit the dialog.
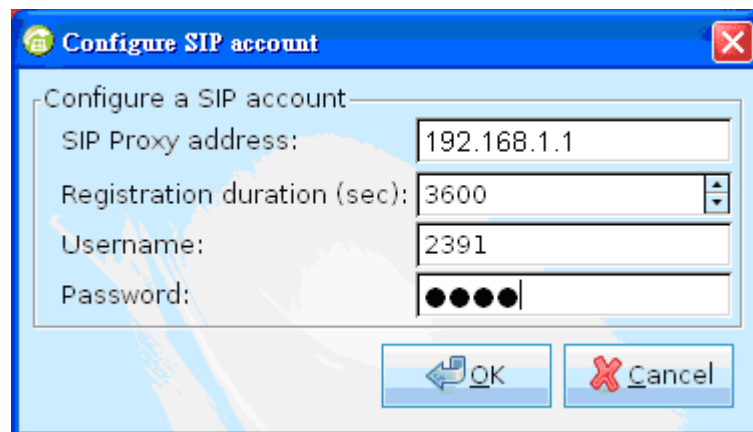
4. When the registration is successful, a message stated with registration successfully will be shown on the bottom of the dialog.
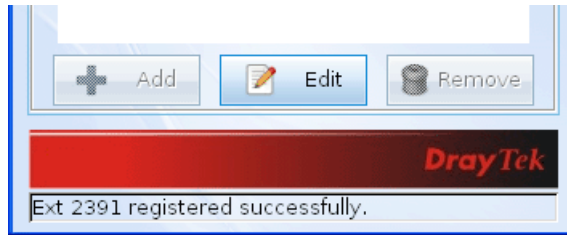
How to dial out via Soft Phone

1. Make sure your computer has been installed a microphone and headphones.

2. Open **Setting>>SIP** to make sure the SIP account has registered successfully.

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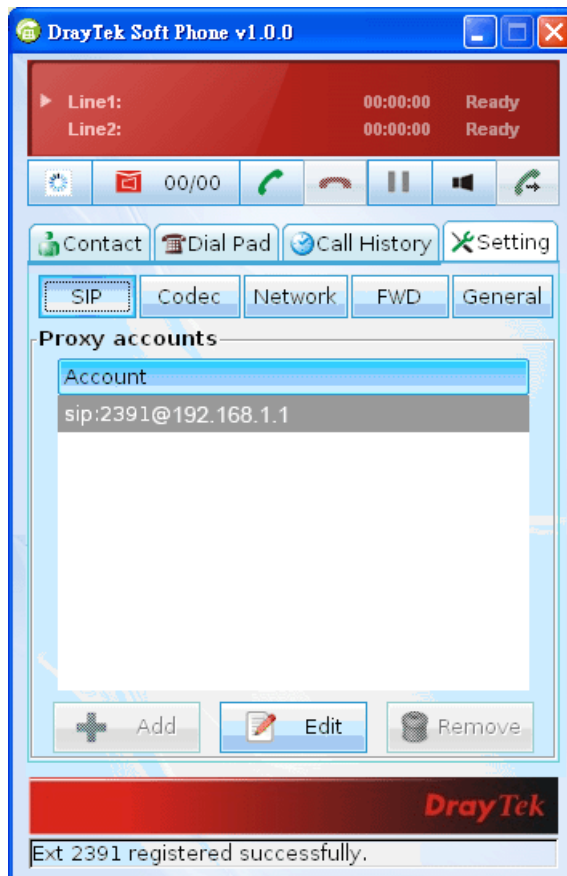3. Click the **Contact >>Dial Pad** tab from the **DrayTek Soft Phone** dialog. Type the phone number that you want to contact in the blank are of Dial Pad.
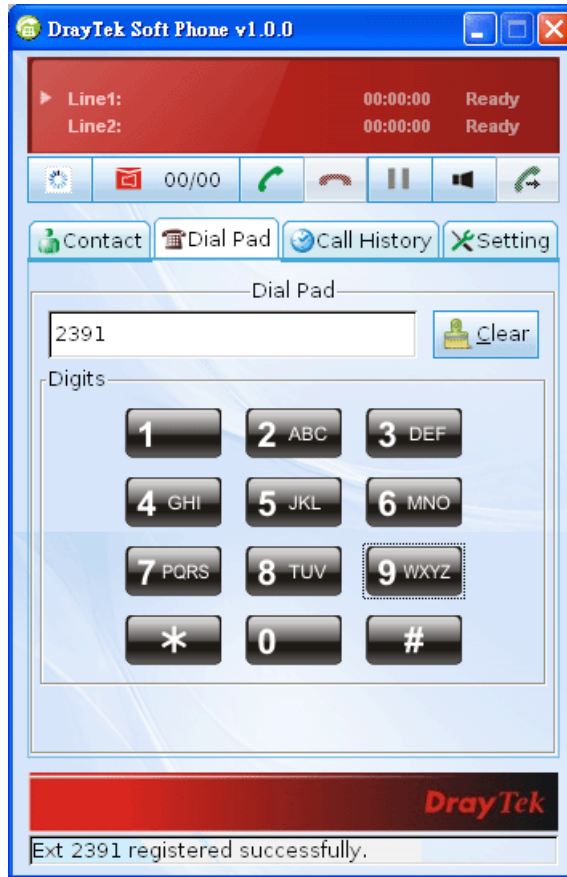
4. Click the **Start call** button from the **DrayTek Soft Phone** dialog.

5. When the remote end picks up the phone, both you can talk at that time.

How to create the Phone Book

1. Click the **Contact >>Phone Book** tab from the **DrayTek Soft Phone** dialog.

2. Right click the mouse key to display the **Add** button.
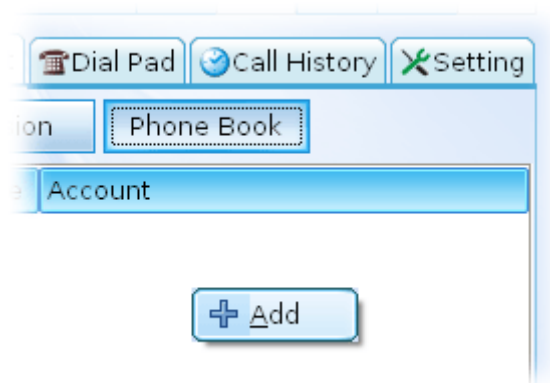
Click **Add** to open the following dialog.
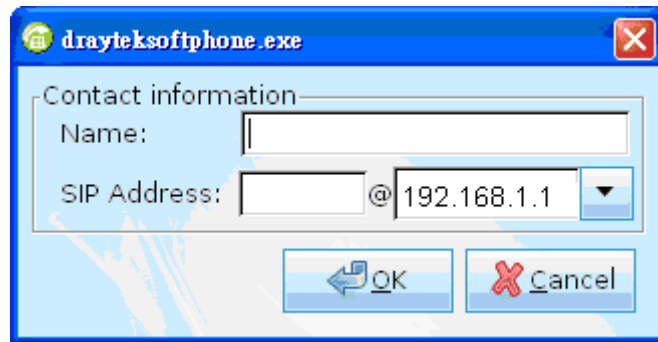
3. Type the name and SIP Address in the corresponding fields. When you finish the settings, please click **OK** to save them and exit the dialog. The new added will be displayed on the **DrayTek Soft Phone** dialog.

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Note: To make a quick call on **Phone Book**, simply choose the one (e.g., mark) you want to dial out and right click your mouse button. A popped up selections will appear. Chose **Call mark**.

How to create the Extension List

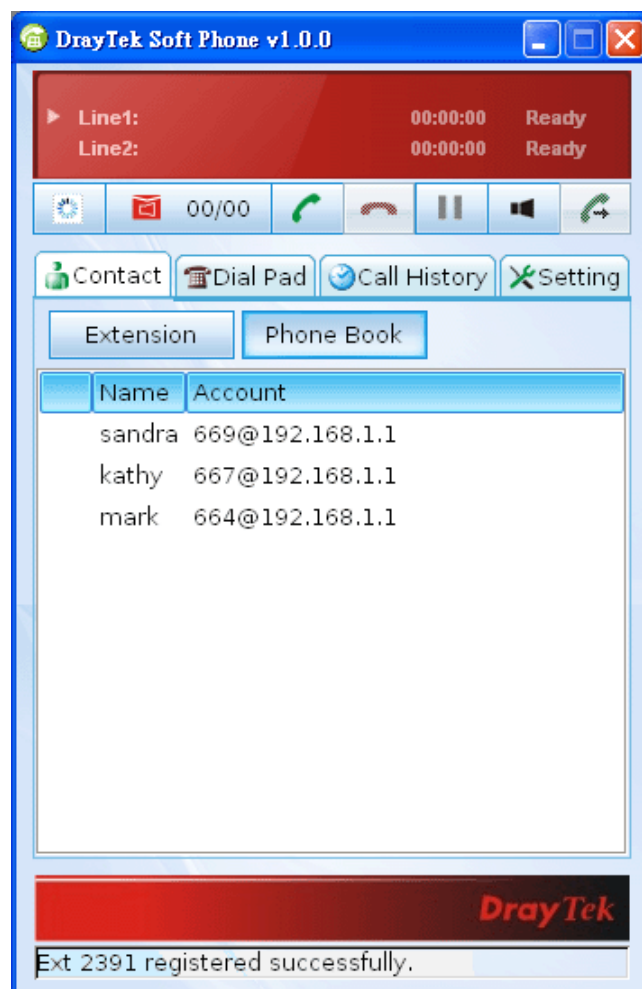1. Click the **Contact >>Extension** tab from the DrayTek Soft Phone dialog.

2. Right click the mouse key to display the **Add** button.
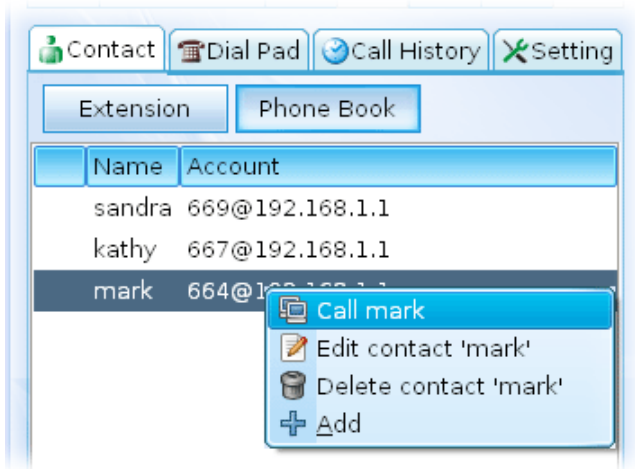

3. Click **Add** to open the following dialog.
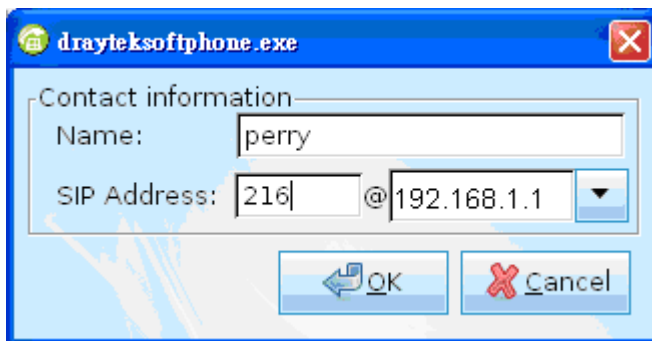
4. Type the name and SIP Address in the corresponding fields. When you finish the settings, please click **OK** to save them and exit the dialog. The new added will be displayed on the **DrayTek Soft Phone** dialog.
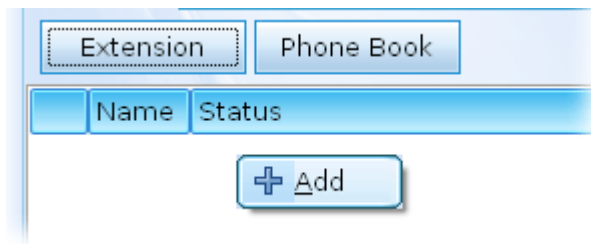
Note: To make a quick call on **Extension**, simply choose the one (e.g., perry) you want to dial out and right click your mouse button. A popped up selections will appear.

5. Panel Explanation

This section provides the explanation for the control panel of Soft Phone.
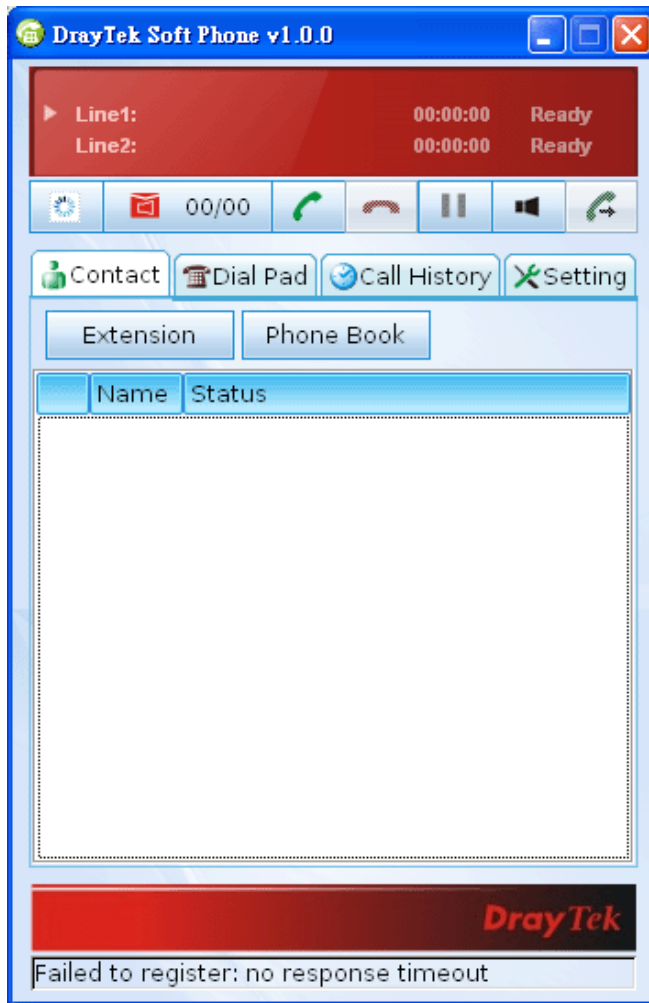
Status Bar
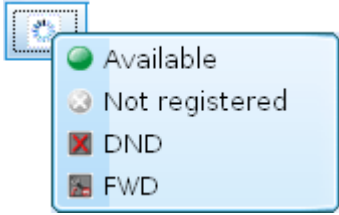
Display current status for each line.

Icons

On the top of the panel, there are several icons used to dial out, cut off, leave message to the peer and so on.

Status ———

Voice Message ———

Start Call ———

Terminate Call ———

Hold/Switch ———

Sound Volume ———

Transfer ———
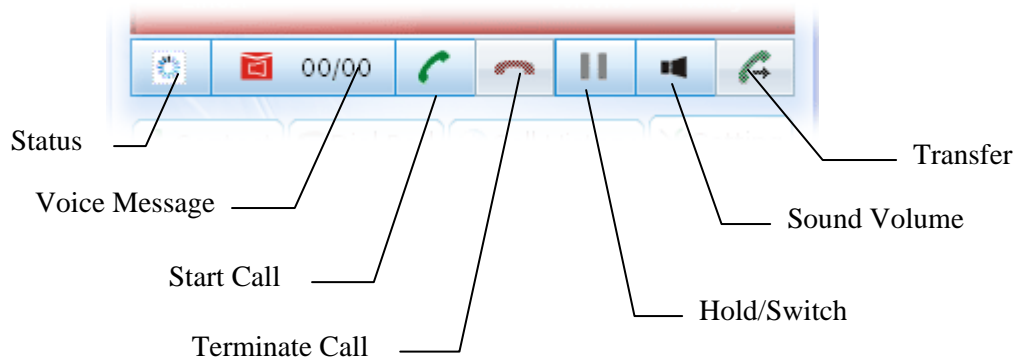
Status	Click it to check and change current status.
Voice message	Click it to listen the voice message from other people.
Start Call	Click it to dial out.
Terminate Call	Click it to terminate current phone call.
Hold/Switch	Click it to hold on current call for a few minutes. Next time, click it again to pick it up.
Sound Volume	Click it adjust the volume of voice sound.
Transfer	Click it to transfer current call to another one.

Contact

The Contact tab includes Dial Pad (for typing phone number), Extension (for displaying the status of remote end you want to contact), and Phone Book (for storing the account / phone numbers you can dial).
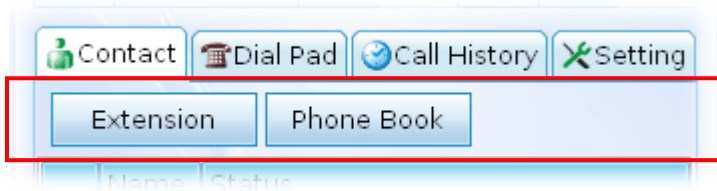
Extension

With the function of busy lamp field (BLF), Extension page can offer current status of the account you added. If Not registered is shown in Status, it means you cannot contact with that extension through Vigor Soft Phone.

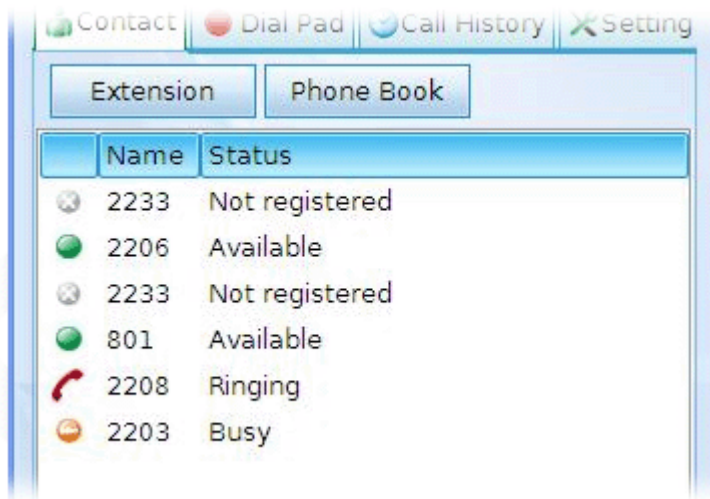| Name	Display the extension number of the clients.
Status	Display the connection status for the clients.
	Not registered – such account has not registered to VigorIPPBX yet. Therefore, it cannot dial to anybody.
	Available – such account has registered to VigorIPPBX already and is ready for dialing out.
	Ringing – such account has registered to VigorIPPBX already and is trying to dial out.
	Busy – such account has registered to VigorIPPBX already and is communicating with remote end.

Phone Book

To make a quick dial for each time, simply add the one(s) that you will contact into the Phone Book. Such book allows you to make a direct call for selected name by using the right mouse button.
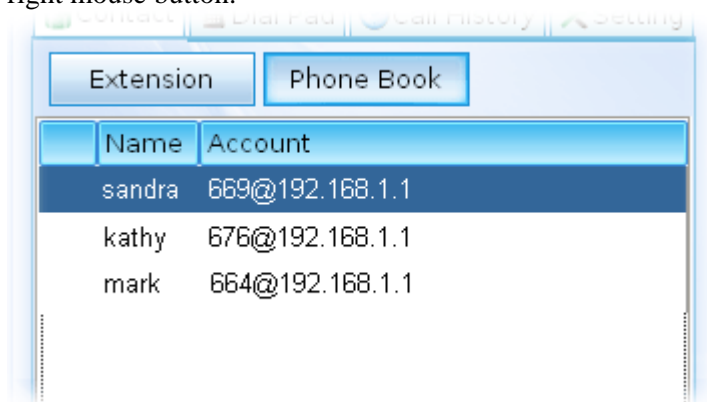
In the pop up menu, you can call the selected one directly, edit the one, delete the one or add another one easily.
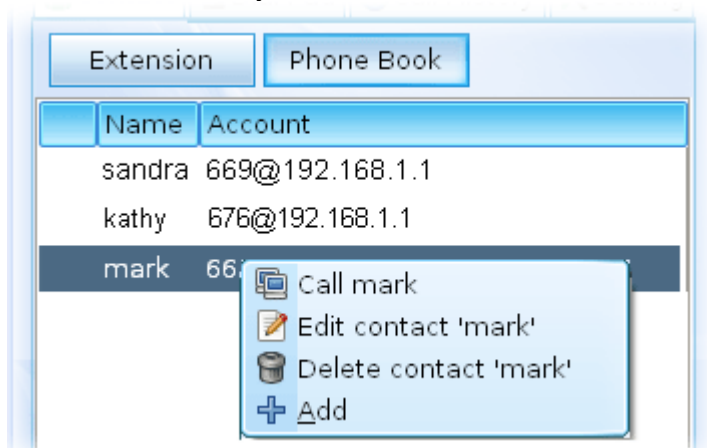
Dial Pad

Such page simulates the telephone keypad for you to enter the number in the field of Dial Pad. Except the phone number, account name, full SIP account are allowed to be entered in this field.
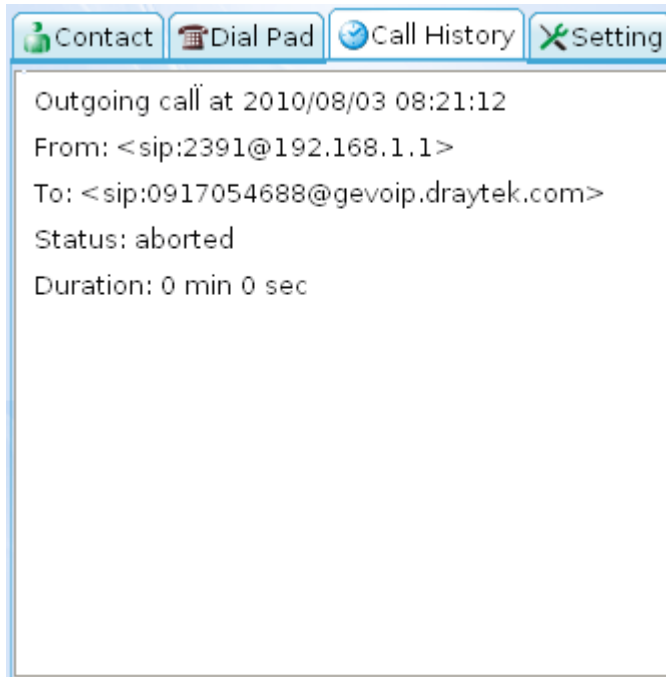
Call History

This page provides a history for all the phone calls by Vigor Soft Phone.

Setting

Such tab allows you to configure SIP settings, check Codec information, change the Network connection, specify phone call forwarding, and configure speaker, ring sound and so on.
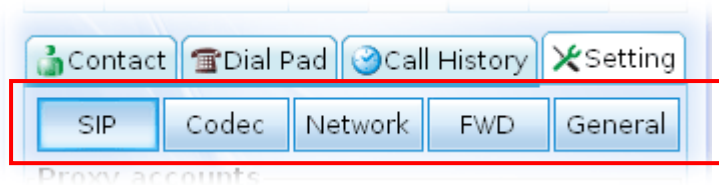
SIP

Set an SIP account is the first thing you have to do for using Soft Phone. Please type the required information that you applied from the proxy sever. You can change the server whenever you want. However, only one server is available for each time.

Please use **Add** to specify the account server for the first time. Next time, please click **Edit** to change the server information whenever you want.
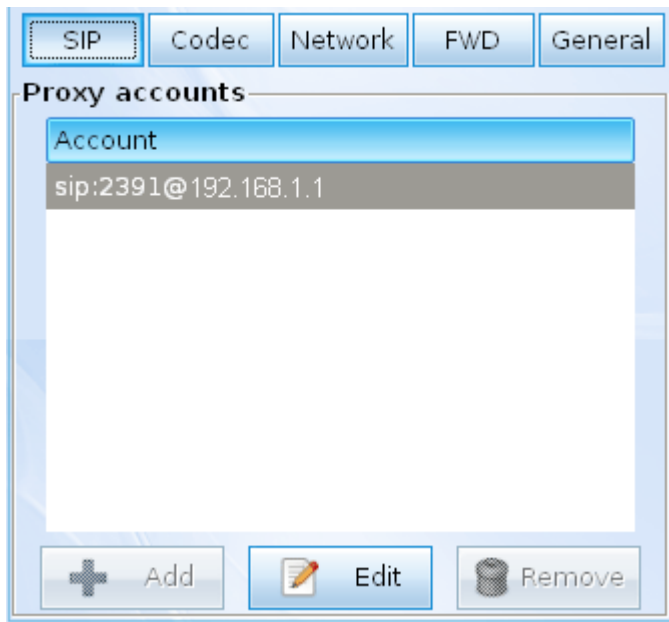
Add	Click this button to add a proxy account.
Edit	Click this button to edit of modify the selected account.
Remove	Click this button to remove the selected account.

Codec

This page offers compression format of voice for you to choose.
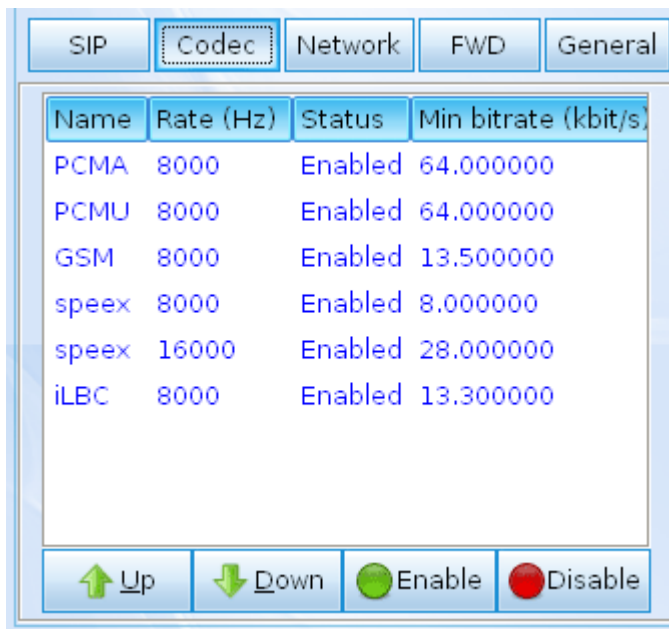
Name	Display the name of the Codec.
Rate	Display the transmission rate for such compression format.
Status	Display the status (enabled or disabled) of such

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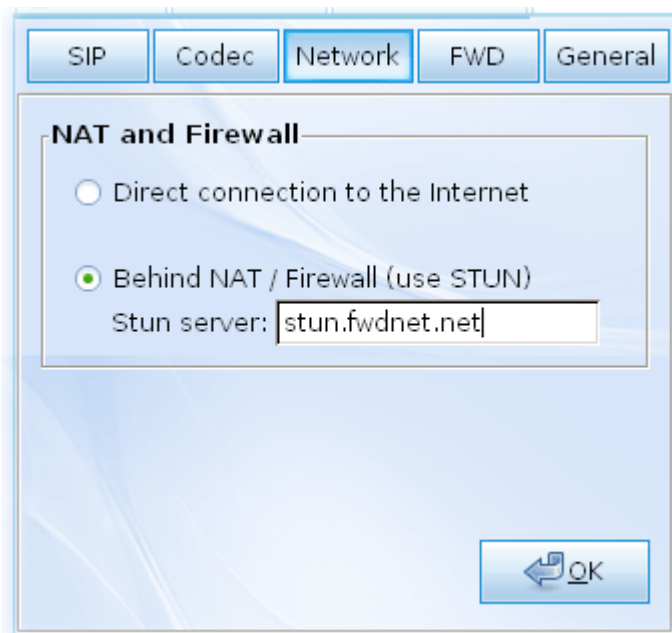|	codec.
Min bitrate	Display the minimal bitrate of the codec.
Up / Down	Move the selected codec up and down.
Enable	Enable the selected codec.
Disable	Disable the selected codec.

Network
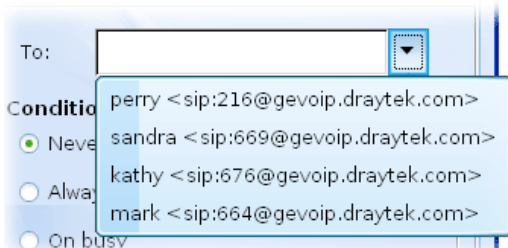
This page can set the network connection for the Soft Phone by directly connecting to Internet or under NAT (STUN server is required to discover WAN IP and port).

Direct connection to the Internet	Choose this button to make a direct connection to the Internet after clicking **OK**.
Behind NAT / Firewall (use STUN)	Choose this button to make the call being processed behind NAT or Firewall. Please specify the IP address of STUN server. Later, click **OK**.

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FWD

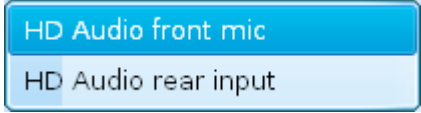This function can forward the incoming phone call to the specified account / extension under different conditions.

To	Use the drop down list to specify the account who you want to forward the phone call.
Never	Choose this item to drop any incoming phone call.
Always	Choose this item to forward the incoming phone call to the account/extension selected above always.
On busy	Choose this item to forward the incoming phone call to the account/extension selected above when the callee is busy.
On no answer for ….. sec	Choose this item to forward the incoming phone call to the account/extension selected above after passing the time specified here without any answer.

General

It allows you to set speaker, ring device, microphone and ring sound for the Soft Phone.

Speaker	Choose the driver applied to your speaker.
Ring device	Choose the ring device for your
Microphone	Choose the driver for your microphone. HD Audio front mic HD Audio rear input
Ring sound	Display the sound file for the phone ringing. You can click **Open File** icon to choose another sound file for your necessity.
Play	Play the music selected in Ring Sound.