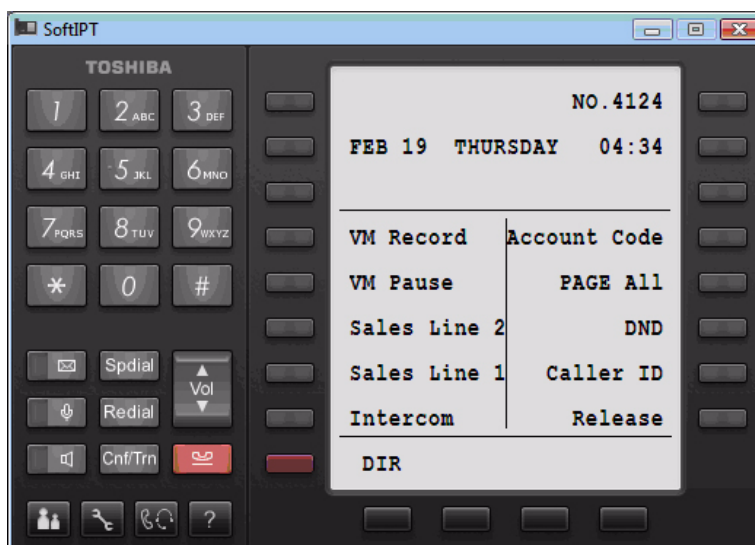


Announcing the New SoftIPT 3.0 Application

The Toshiba SoftIPT™ 3.0 on PC is a software telephone client that runs on wired or wireless Internet-connected laptops, tablets and desktop PCs with all versions of the Microsoft® Windows Vista™ and Microsoft Windows® XP operating systems. Version 3.0 adds a new look similar to 5000-series telephones and has some very useful enhancements. Note that version 3.0 software is only for PCs and not PDAs. SoftIPT on a PC integrates the power of the PC with most of the features available on an IP5000-series telephone. You can use most of the features described in the IP5000-series Telephone User Guide or Strata CIX IPT/DKT Telephone User Guide. Refer to above mentioned guides for instructions on using features which are not described here.

The main SoftIPT GUI is shown below in idle state. New SoftIPT 3.0 screen.



New features in PC SoftIPT Version 3.0

- Large LCD appearance (similar to IP5131-SDL)
- Self-labeling feature keys
- User control over the feature button labels (see your system administrator for instructions)
- Shift key toggles the LCD screen between flexible keys 1~10 and flexible keys 11~20

Shift Key Operation

Press the Shift key at any time to alternate between display of feature keys 1~10 and feature keys 11~20.

Shift to Answer calls

If the LCD screen is set to view keys 11~20 and a call comes in on key 1, the phone will ring and Caller ID information displays on the top of the screen - press the Shift key to view keys 1~10 and answer the call.

Competitive Advantages

SoftIPT 3.0 takes advantage of PCs using an Intel processor and Windows Vista by offering an echo canceller for the platform. PCs that use the Intel processor are also able to take advantage of the G729a codec. This codec takes less bandwidth than the G711 codec and allows more simultaneous phone calls in the same amount of bandwidth as G711. SoftIPT 3.0 incorporates all of the new features introduced in SoftIPT 2.2, which includes full support for IP User Mobility. With IP User Mobility, the user can configure the SoftIPT for manual login mode thus allowing multiple users to share the SoftIPT without reconfiguration. A user can log into his personal extension even if the extension number is currently being used on another SoftIPT or IP desk telephone.

Outlook users now have the ability to use multiple Outlook profiles. SoftIPT 3.0 still has the option for running in the background. PC users can continue to perform daily work operation and have the SoftIPT reside in the system tray. From the voice of the customer, we have implemented support for a primary and secondary IP address. When SoftIPT starts up, it automatically connects to the primary IPU address. If the attempt is unsuccessful, the SoftIPT will automatically try the second IPU address that is configured.

Hardware/Software Requirements

- Strata CIX40/100/200/670/1200
- CIX R5.20 MT021 or higher
- MIPU/GIPU8/LIPU
- Windows XP, Windows Vista
- Wired or wireless (802.11) connection over the IP network
- Customer-supplied access point

Considerations

To get the best use from your SoftIPT, consider the following tips.

- Use a headset with an attached microphone to provide good call quality and privacy.
- Use Microsoft Outlook to create contacts. SoftIPT does not work with Outlook Express.
- SoftIPT does not recognize numbers that you copy and paste onto the screen.
- If you minimize the SoftIPT, incoming calls “pop up” the SoftIPT to the foreground. If you want the SoftIPT to “pop up” for incoming calls, always minimize it after each call.
- Configure the Strata CIX for G.711/G.729A CODEC at 20, 30, 40, or 80msec. for the SoftIPT.

Installing the SoftIPT

If you are installing on an Intel based platform, install the Intel IPP® (Integrated Performance Primitives) before installing SoftIPT in order to use echo canceller. The Intel IPP is not a requirement for the SoftIPT.

1. Install Intel IPP

- Double click on Intel_IPP.exe. Intel IPP - InstallShield Wizard runs (See [Figure 1](#)).
- The window shown in the [Figure 2](#) will display and then disappear. The Intel IPP has been successfully installed.

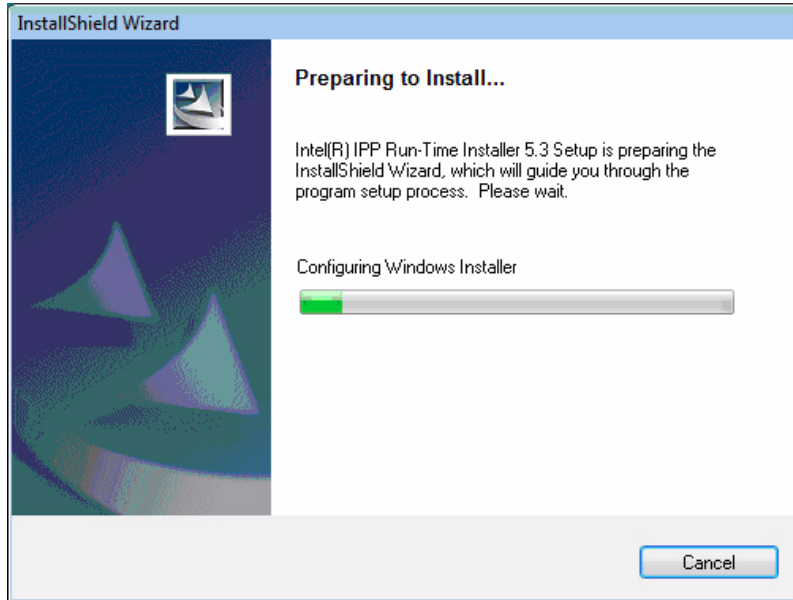


Figure 1 Intel IPP Preparing the InstallShield Wizard

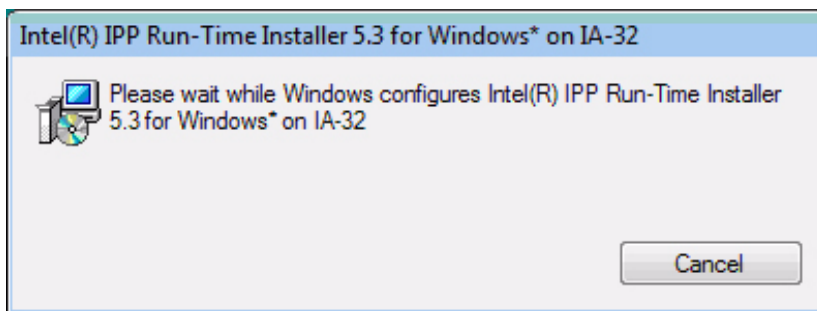


Figure 2 Windows Configuring Intel IPP Run-Time Installer

2. Install SoftIPT

- Double click on SoftIPT-PCInstaller.exe. The SoftIPT - InstallShield Wizard runs.
- Click Finish to exit the Wizard. Your SoftIPT has been installed.

Installing SoftIPT from a USB Drive

Insert the external USB drive and run Setup as usual.

When installing directly from some USB drives, a dialog box that reads “Please insert Disk 1” may appear. If this appears, click Cancel in the dialog box, then copy the SoftIPT folder from the external USB drive to your local hard drive and then run Setup.

Upgrading SoftIPT

1. Close SoftIPT if you are using it and make sure that it is no longer in the system tray.
2. Double click on *SoftIPT-PCInstaller.exe*. The SoftIPT - InstallShield Wizard runs.
3. Click Finish to exit the Wizard. Your SoftIPT is upgraded.

To change the SoftIPT icon from an icon of a previous version

Note Use the following procedure only if the SoftIPT icon does not change to the new icon.

1. Right-click on the desktop shortcut file of SoftIPT3.0.
2. Click Properties.
3. Click the Change Icon button. A Change Icon dialog box opens.
4. Double-Click the new icon.
5. Click OK.

Uninstalling SoftIPT

Remove SoftIPT just the same as general PC applications (Start > Settings > Control Panel > Add or Remove Programs).

Configuring SoftIPT 3.0

Step 1: Configure the SoftIPT

- After you have installed SoftIPT, double-click the SoftIPT icon on the desktop. The SoftIPT Configuration window opens.

Important! See the illustration below. You will need to enter items A-E to configure SoftIPT. Check with your Telephone System Administrator to make sure that you have this information. After entering this information, print the screen for future reference.

The screenshot shows the 'SoftIPT Configurations' window. On the left, five labels with arrows point to specific fields in the window:

- A. SoftIPT extension number** points to the 'Phone NO.' field, which contains '4124'.
- B. Local call dialing prefix** points to the 'For local calls, dial:' field, which contains '9'.
- C. Long distance dialing prefix** points to the 'For long-distance calls, dial:' field, which contains '91'.
- D. IP address of IPU** points to the 'Primary IPU IP Address' field, which contains '192 . 168 . 64 . 200'.
- E. Network adapter used by SoftIPT** points to the 'Network' list, which has 'VMware Accelerated AMD PCNet Adapter' selected.

Other visible fields and options include: 'Node', 'Password', 'Connected IPU IP Address' (192 . 168 . 64 . 200), 'Secondary IPU IP Address', 'IPU' section with 'Manual' and 'Broadcast' radio buttons, 'Automatic start-up' (unchecked), 'Auto-Login on start-up' (checked), 'Popup window' (checked), 'Use default Microsoft Outlook profile' (checked), 'Allow SoftIPT to run in the background' (unchecked), 'Speaker Key' (F2), and 'TOSHIBA PC SoftIPT Version:03.00.0001'.

Figure 3 SoftIPT Configurations

- In the SoftIPT Configuration window, enter the following:

Fields	Description
Phone No.	This is the SoftIPT extension.
Password	Password for IP user mobility
Node	The node ID where the MIPU resides. By default, leave blank.
Outgoing prefix	When a call is made using the SoftIPT directory, SoftIPT automatically attaches the outgoing prefix for local calls, or long-distance prefix for long-distance calls, respectively. See "Using the Directory" on page 10 for details.
Long distance prefix	

Fields	Description
IP address of IPU	SoftIPT tries to connect to the IPU using the following addresses in turn: • Primary IPU IP address • Secondary IPU IP address. Notes If Broadcast is selected, SoftIPT tries to search for the IPU by sending broadcast messages, otherwise, it goes back to the Primary IPU IP address. SoftIPT skips the Primary IPU IP address or the Secondary one if it is not set. In either case, if SoftIPT successfully connects to the IPU, the IPU IP address is shown in the “Connected IPU IP Address” field. See your System Administrator for IPU address. If Broadcast is selected, the broadcast message is sent on the same subnet, which means SoftIPT can connect to the IPU on the same subnet using Broadcast mode without designating the IPU IP address. However, in some PC environments, SoftIPT cannot complete this broadcast registration sequence because the lower network module does not notify SoftIPT, through Windows, of receiving a reply message after sending a broadcast message. Therefore, Toshiba recommends using Manual mode if SoftIPT cannot find the IPU by Broadcast.
Network	If there are multiple network adapters, select the one for SoftIPT.
Automatic startup	Check this box to automatically startup SoftIPT after starting your PC. Note If Automatic startup is unchecked and SoftIPT continues to start up, use the MSCONFIG utility screen > Startup tab and uncheck Toshiba SoftIPT. Consult you System Administrator on using the MSCONFIG utility.
Popup window	The SoftIPT window pops up when receiving a call.
Use Default Microsoft Outlook Profile	As shown below in Using the Directory, SoftIPT can use MS Outlook (not Outlook Express) as its directory. If multiple Outlook profiles are set, you can select one of the profiles when launching SoftIPT if this box is unchecked. See “To check how many Outlook profiles are on your PC:” on page 7 . If you have only one profile as shown in See Figure 5 select “Always use this profile” and check the “Use Default Microsoft Outlook Profile” box as shown in See Figure 3. If you have several profiles and choose one of them, select “Prompt for a profile to be used” (See Figure 5), and uncheck the “Use Default Microsoft Outlook Profile” box (See Figure 3).
Auto-Login on start-up	If you uncheck this box, you can input an extension number every time you log in. See “IP User Mobility” in the CIX General Description and Programming Manual, Volume 1 for details.

Fields	Description
Allow SoftIPT to run in the background	This option dictates what happens when you press the close (X) button in the upper right corner of the SoftIPT main window. • Run in the background if this box is checked. • Exit SoftIPT software if this box is unchecked. Note If the SoftIPT icon is still on the system tray at the bottom right corner of the PC, then SoftIPT is still running in the background, even after pressing the Close (x) button.

3. Click OK.

To check how many Outlook profiles are on your PC:

1. Go to Start > Control Panel > Mail
2. Double-click the Mail icon (see See [Figure 4](#))
3. Click the Show Profiles... button
4. Here are all the profiles setup on your PC (See [Figure 5](#))

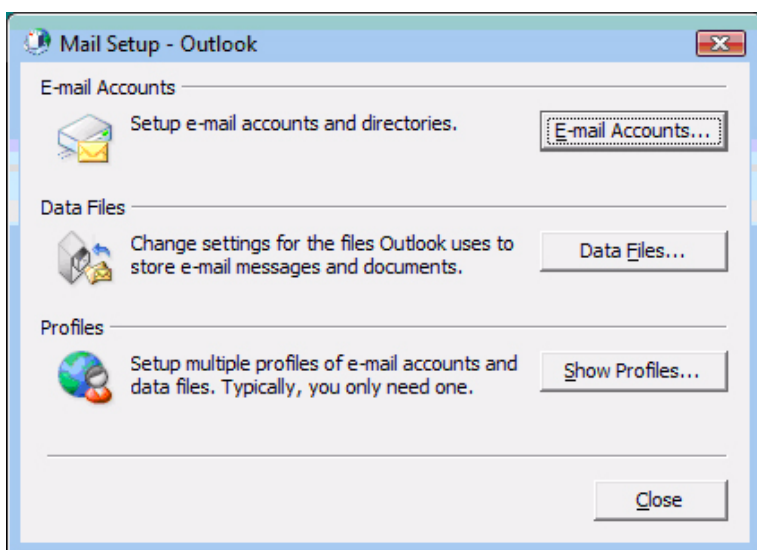


Figure 4 Mail Setup - Outlook

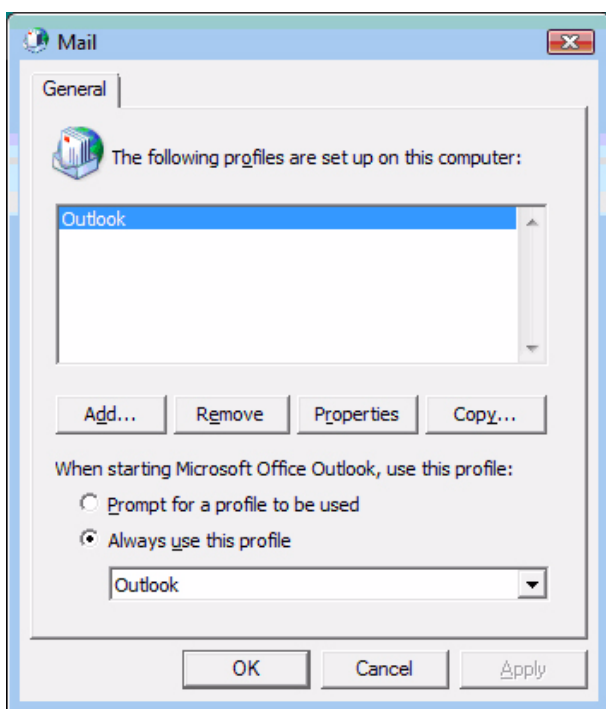


Figure 5 Mail Profiles

Step 2: Adjusting Audio Properties (without USB handset, without Echo Cancellor)

Here is the audio configuration screen if the SoftIPT does not detect a USB handset. In this case, the headset is typically plugged into the microphone/speaker jack of the PC. To open the window shown in [Figure 6](#), click on the Audio Setting button of the SoftIPT. [Figure 6](#) shows no device listed for USB Handset and Using Echo Cancellor unchecked.

Refer to [“Using a USB Handset”](#) or [“Using Echo Cancellor”](#) for adjusting audio properties in other situations.

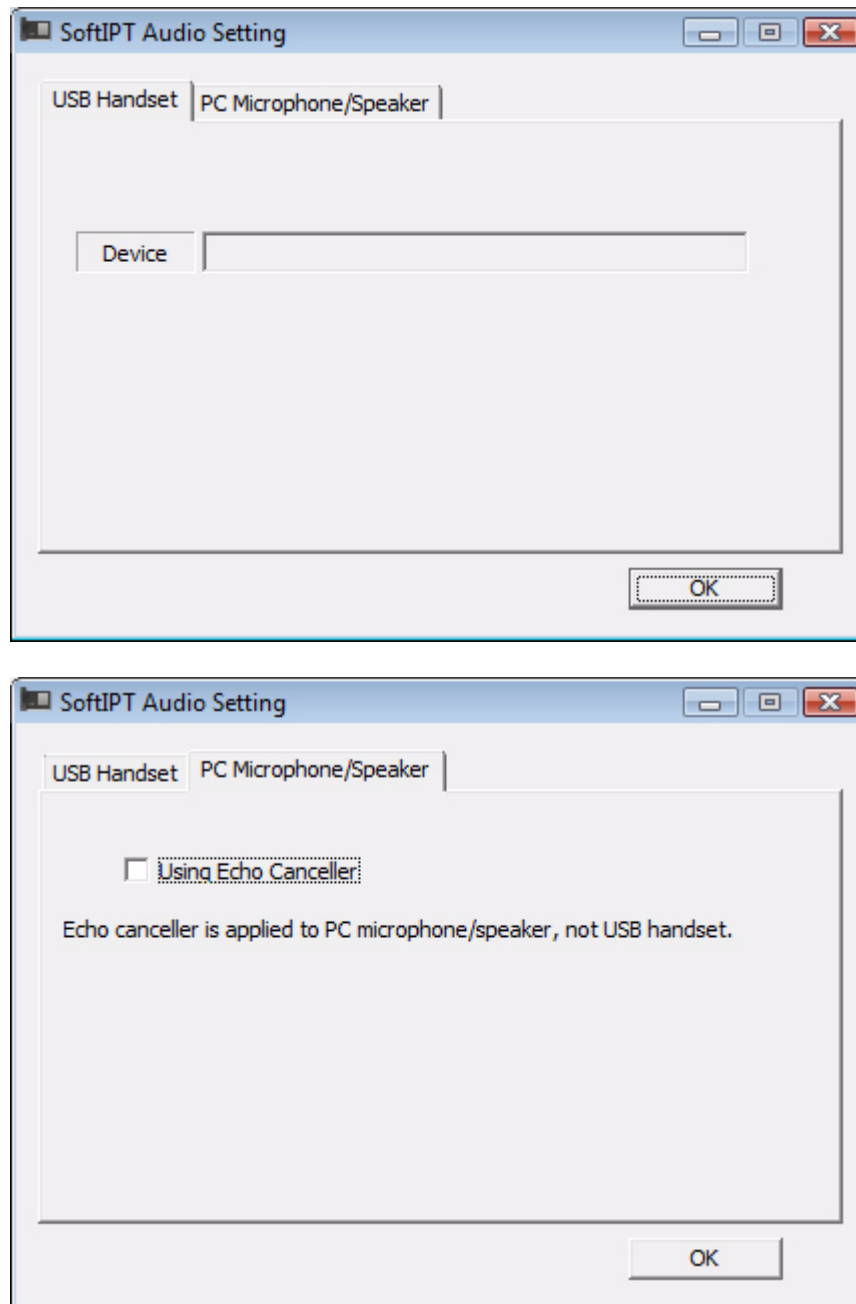


Figure 6 SoftIPT Audio Setting (without Echo Cancellor, without USB handset)

User Instructions

Starting SoftIPT

Double-click the SoftIPT icon on your desktop.

Making a Call (without USB Handset)

To make a call without a USB Handset:

1. Click the Speaker button to get dial tone (if you have Hot Dialing, skip this step - click a button on the dial pad - if you see the digit on your screen, you have Hot Dialing).
2. To dial a phone number, click the on-screen dial pad buttons or input numbers (asterisk key, pound key) from the PC keyboard.
3. Click Speaker button to end the call.



Figure 7 SoftIPT Making a Call

Using the Directory

You can create a directory with Microsoft Outlook (not Outlook Express). To create a directory:

1. Close SoftIPT if you are using it.
2. Open Microsoft Outlook.
3. Double-click the Contacts icon and click the New Contact icon.
4. Type in the contact information, click Save, and Close. Add as many entries as desired. To edit an entry, double click on the name to open.
5. Start SoftIPT.
6. Click the Directory button. The directory displays (see [Figure 8](#)).

Notes:

- SoftIPT displays the directory based on the telephone number type: Business, Home and Mobile in Microsoft Outlook.
- To call using the directory, double-click the name. SoftIPT calls the contact.
- When you call using the SoftIPT directory, SoftIPT recognizes a number more than 9 digits in length as a long-distance call and automatically attaches the long distance prefix if you have configured Long distance prefix in Configuring the SoftIPT on PC in step 1. For example, if you set 91 as the long distance dialing prefix as shown in [Figure 3](#) and then call Mary Gold whose dial number (234) 567-8901 is more than 9 digits ([Figure 8](#)), SoftIPT automatically attaches 91 and dials 912345678901. If you don't want SoftIPT to automatically attach this prefix, leave the *For long-distance calls, dial:* field blank.

Similarly, when you call using the SoftIPT directory, SoftIPT recognizes the dial number whose length is more than 6 but less than 10 as an outgoing call and automatically attaches the outgoing prefix if you configured the *For local calls, dial:* field. For example, if you set 9 as the outgoing prefix as shown in [Figure 3](#), and then call Peter Silver whose dial number (345-6789) length is more than 6 but less than 9 ([Figure 8](#)), SoftIPT automatically attaches 9 and dials 93456789. If you do not want SoftIPT to automatically attach this prefix, leave the field blank.

- To search for a contact by name, input the name in the text box next to *Search by the name* and click Search. You can also search by name and type selecting Business, Home or Mobile in the *Selection of type* field.

The screenshot shows the 'SoftIPT Directory' window. It contains a table with the following data:

Name	Type	Number
David Green	Work	401
Helen White	Work	402
Mary Gold	Mobile	(234) 567-8901
Peter Silver	Home	345-6789

Below the table, there are search controls:

- A text box labeled 'Search by the name' with a 'Search' button.
- A dropdown menu labeled 'Selection of type' set to 'All types' with a 'Clear' button.

At the bottom, there are 'OK' and 'Cancel' buttons.

Figure 8 SoftIPT Directory

Using a USB Handset

The GN Netcom GN 9330 is a USB headset rather than a USB handset in terms of their shape. However it is considered to be a USB handset because you can do off-hook/on-hook operations with it. Therefore, in SoftIPT, we call it a USB Handset. Other USB Handsets like the GN Netcom GN 8120 allow you to do on-hook/off-hook operations by pushing a specific button.

Installing a USB Handset

Please refer to the vendor's documentation and/or website.

After installing a USB handset, click the Audio Setting button of the SoftIPT main window and make sure the USB handset name is displayed. A USB handset which SoftIPT does not support will not display even if it is plugged into the PC. [Figure 9](#) illustrates the case when a GN Netcom GN 9330 is attached and the Audio Setting button clicked.

Important! Completely exit the SoftIPT application before connecting or disconnecting a USB handset. This will avoid erroneous operation.

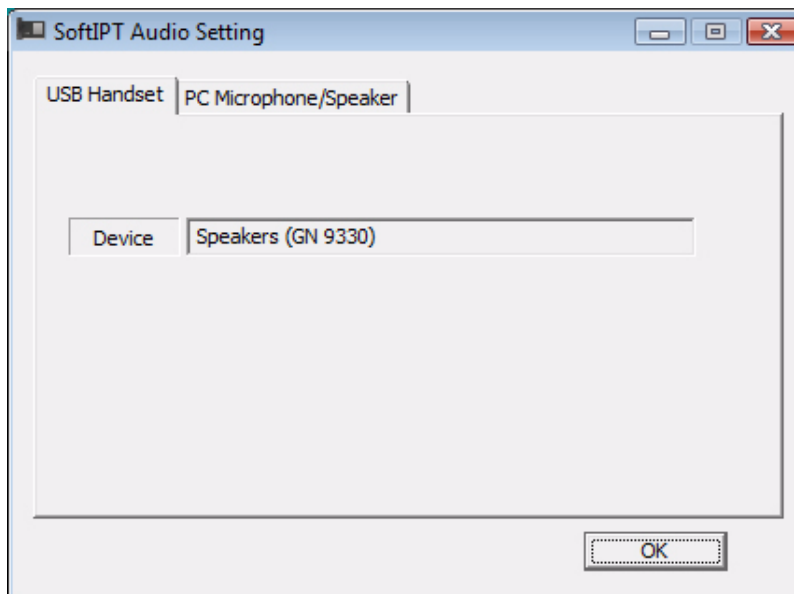


Figure 9 USB Handset - GN Netcom GN 9330)

Making a Call (with USB Handset)

To make a call using a USB handset:

1. Go off-hook (pick up the receiver or press the hookswitch button on the USB Handset) to get dial tone.
2. Dial the phone number - click the on-screen dial pad buttons, input numbers (asterisk key, pound key) from PC keyboard, or use the key pad on the USB handset, if available.
3. To end the call, go on-hook (put down the receiver or press the hookswitch button).

Using Echo Cancellor

If you have a headset plugged into the microphone/speaker jack of the PC, you do not have to always enable echo canceller. We recommend you to enable echo canceller in the event you want to use the PC's embedded microphone/speaker as a speakerphone device and not attach a headset to the microphone/speaker jack of the PC. If the PC does not have an embedded microphone even if it has embedded speaker, you do not have to enable echo canceller because a headset would be plugged into the microphone/speaker jack, see [Figure 10](#).

To use Echo Cancellor, click the Audio Setting of SoftIPT and check the Using Echo Cancellor box as shown below.

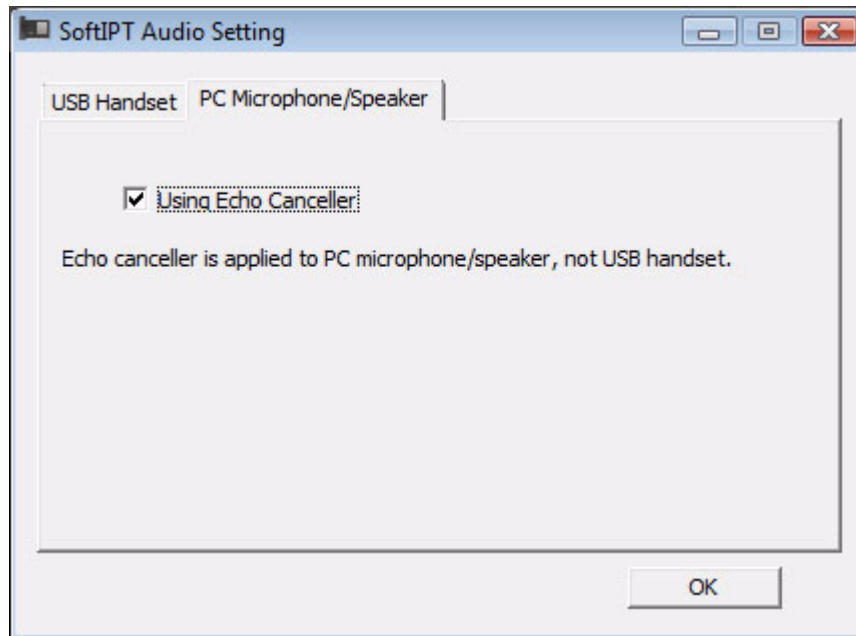


Figure 10 Enabling Echo Cancellor

Notes:

- If you click Audio Setting of SoftIPT and Intel IPP is not installed on PC, the screen shown in [Figure 11](#) is displayed.
- After installing Intel IPP in order to use Intel Echo Cancellor, if your PC is not compatible with it, the screen shown in [Figure 12](#) is displayed. For detailed information about compatibility, refer to the Intel website.
- Take into consideration that capabilities of Intel Echo Cancellor might depend on each PC's acoustic characteristics, including the place of the embedded microphone and speaker. SoftIPT cannot fully configure or control specific echo canceller parameters of Intel IPP depending on each PC model.
- Intel IPP 5.3 installer is separate from the SoftIPT installer. Exit SoftIPT (if it is running) and install or uninstall Intel IPP 5.3.

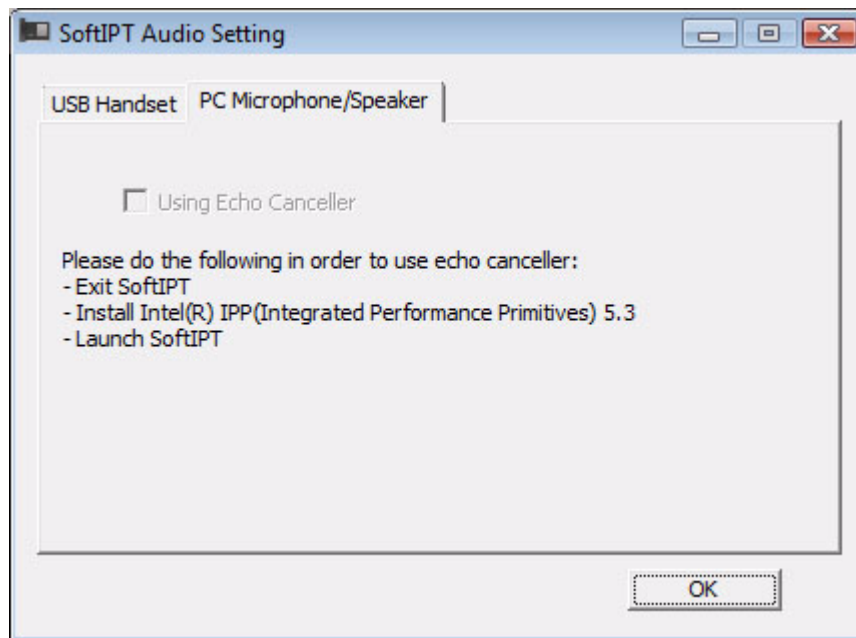


Figure 11 SoftIPT Audio Setting Without Intel IPP Installed

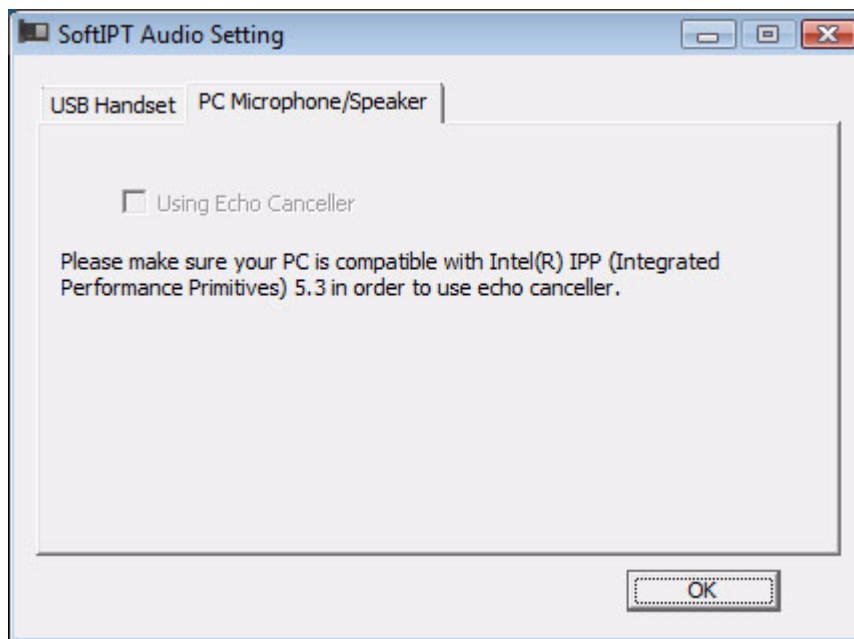


Figure 12 SoftIPT Audio Setting on PC not Compatible with Intel IPP

Switching Between Speakerphone/Handset

Before switching between the speakerphone and the headset, see the following:

- Set up the USB handset - refer to Using a USB Handset.
- Configure Echo Cancellor - refer to Using Echo Cancellor.

Notes:

Like a DKT and IPT telephone, if you go off-hook on the SoftIPT after receiving a call, you can talk using the USB handset. After that, if you press the Speaker button on the SoftIPT, you can have speakerphone operation using the PC's embedded microphone/speaker.

Like a DKT or IPT telephone, if you press the Speaker button on the SoftIPT after receiving a call, you can have speakerphone operation using the PC's embedded microphone/speaker. After that, if you go off-hook on the SoftIPT, you can talk by the USB handset.

Labeling Feature Buttons

This version of SoftIPT provides soft labels preset by the Strata CIX system. If you wish to change them please contact your system administrator and see the "Programming Feature Buttons" in the Strata CIX and CTX IPT/DKT Telephone User Guide.

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