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SOUND INNOVATION™

PLANTRONICS CS50/60-USB

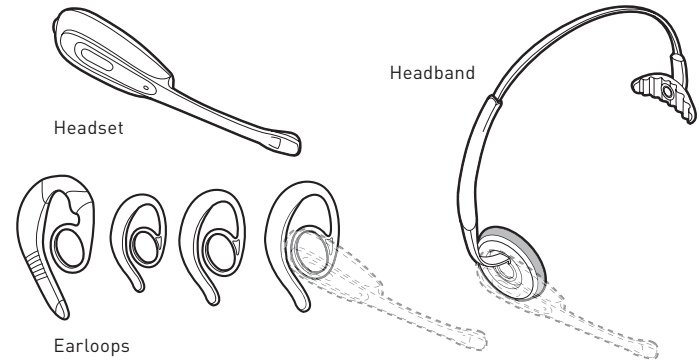## WIRELESS HEADSET SYSTEM

TABLE OF CONTENTS

Please refer to the separate Safety Instructions booklet for important product safety information prior to installation or use.
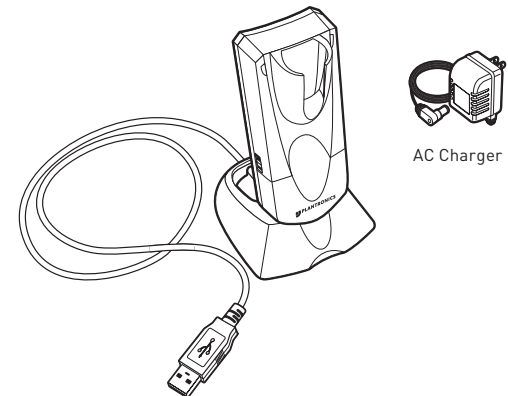
REGISTER YOUR PRODUCT ONLINE

Visit **www.plantronics.com/productregistration** to register your CS60-USB product online so that we can provide you with the best possible service and technical support.
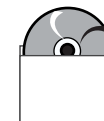
PACKAGE CONTENTS

Headset and wearing options

Headset

Headband

Earloops

Base

AC Charger

Software

PerSono Suite
software CD

Base

Ringer switch (On = up position)
(Off = down position)

Stand pegs

USB connector

Back and side

Subscription button access hole (paperclip required)

AC charger port

Front

Charge indicator light (red)

Status indicator light (green)

Charge contacts

Headset docking cradle

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Headset

Front:

Listening volume/mute/flash/smart button

Call control button

Talk indicator light

Rear:

Speaker

Battery cover

Microphone

SETUP

1

To install base unit, first thread the USB cable through the bottom of the base so it rests in the notch. Then attach the stand by inserting the stand pegs into the holds on the underside of the base unit.

2

Connect USB connector to a free USB port on your computer. A USB hub can be used but ensure that it can supply sufficient power (250 mA) to charge the headset.
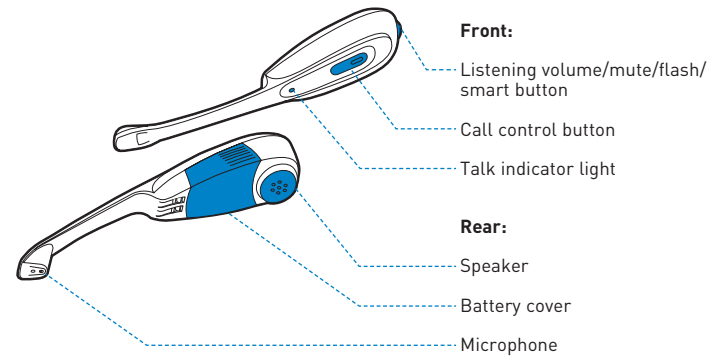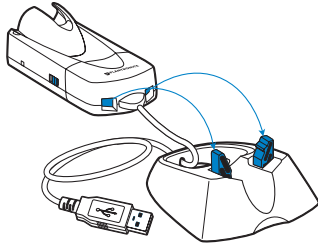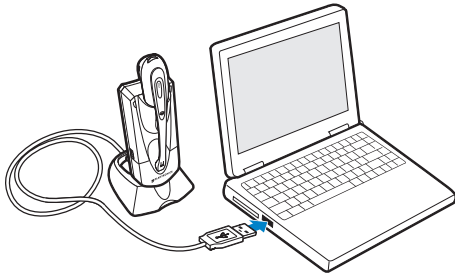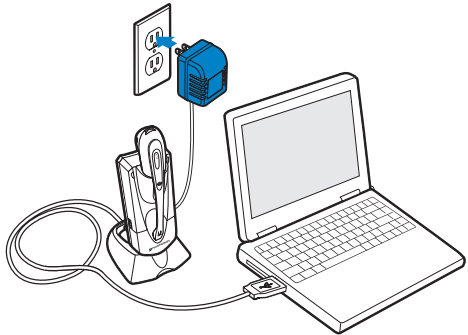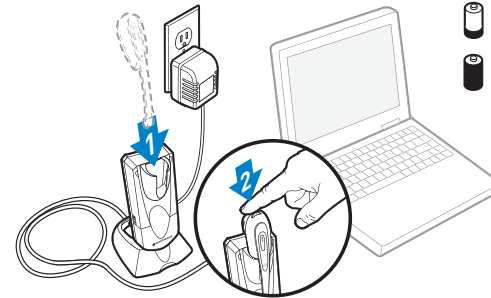
Alternatively, the velcro strips included can be used to attach the base unit to a PC monitor. However, if that causes noise or interference problems, see "Positioning" on page 7.

3

The optional AC charger can be used.

CHARGING

1 hour = minimum charge to continue setup

3 hours = full charge

1. Slide headset into charging cradle.

2. Gently press down on the headset to ensure that headset is in correct position. Red charge indicator light on base will illuminate while charging and will go off completely when fully charged.

AC charging only:

When your computer is powered off, the CS60-USB will not charge and the headset standby time will decrease. Using the optional AC adapter will ensure your headset remains charged.

USB charging only:

When your computer is powered on, the CS60-USB will charge via the USB connection.

POSITIONING

30CM

15cm

The **minimum** recommended separation distance is shown above.

IMPORTANT: Incorrect positioning can cause noise and interference.

INSTALLING PERSONO SUITE SOFTWARE

Plantronics PerSono Suite software provides the link between your CS60-USB headset and compatible softphone applications on your computer. PerSono Suite software provides the ability to remotely detect and answer/end a call from your softphone application via the headset call control button.

In addition, PerSono Suite provides some basic configuration and status information about the system.

Check the PerSono Suite compatibility list at www.plantronics.com/SoftphoneCompatibility for the most current information on softphone compatibility. If your softphone is not currently supported by PerSono Suite, please refer to page 11.

1. With the CD inserted, go to the PerSono Suite main screen and click on "Install the PerSono Suite Software".

2. Your softphone may require you to choose which audio device you wish to use. Please refer to softphone documentation for details.

NOTE: Once the CS60-USB is installed, it becomes the default audio device in your computer. You can set preferences manually in the Windows® operating system through the Sounds and Audio Devices option in the control panel under the Audio tab.

NOTE: Once installation is complete, we recommend that you set PerSono Suite to launch whenever the Windows® operating system starts.

System Tray Icons

After installing and running the software, one of the four system tray icons will appear in the tray bar at the bottom of your screen showing status of headset communication with PerSono Suite.

No headset detected

Headset detected, no radio link to base

Headset detected, and radio link to base active

Headset detected, and radio link to base is locked on

CONFIGURATION AND STATUS

Right click on the headset system tray icon and choose "Options". This will bring up the PerSono Suite Basic Options and Current Status Screens.
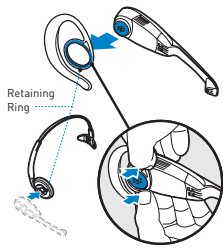
Refer to online application help for explanation details on the PerSono Suite software.

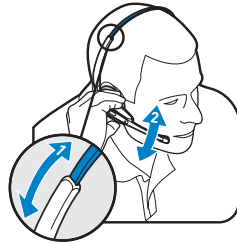## Using CS50/60-USB with Microsoft Office Communicator

In addition to the softphones and features supported via PerSono Suite, CS50/60-USB models support the following features for Microsoft Office Communicator (MOC). Note: MOC features are built in to CS50/60-USB and **do not** require PerSono Suite software to be installed to work with MOC.

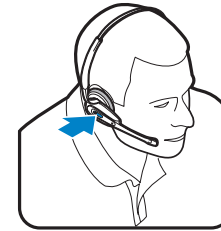| Feature	Action/description
Ring detect/answer – incoming MOC call while headset is in base	• If ringer switch in base is on, base will ring once to indicate incoming call. Lift headset and press headset call control button to answer.
Ring detect/answer – incoming MOC call if headset is not in base	• Headset indicates incoming call from MOC; press headset call control button to answer.
End a call	• Press headset call control button to end call or insert headset into base.
Initiate a call from headset if radio link is on (green light on base is flashing)	• Press call control button, headset is activated and dial tone is heard; place call from MOC.
Initiate a call from headset if radio link is off (green light on base is NOT flashing)	• Press call control button once to turn on radio link, then press again. This will cause the MOC window to come to the foreground and dial tone is heard; place call from MOC.
Initiate a call from MOC	• Place call from MOC, headset is activated automatically.

CS50/60-USB includes Intelligent Application Management logic that helps when a PerSono Suite-supported softphone and MOC are used on the same computer.

Snap speaker into retaining ring of desired wearing option (headband or earloop).

Retaining Ring

1. Adjust headband to fit.
2. Rotate headset in retaining ring until microphone is pointing towards your chin.

To make a call:

Press the call control button on the headset. The status indicator lights on both the base and the headset should go on, indicating a successful link. Dial using softphone.

To answer a call:

Press the call control button on the headset to answer a call. When the ringer switch on the side of the base is on (in the up position), the base will ring with an incoming call – so you can receive notification of a call even when not wearing the headset. The feature is disabled when the ringer switch is in the down position.

To end a call:

Press the call control button on the headset.

To switch between calls:

Some softphones support a feature known as "flash". This allows you to place the current call on or off hold or to toggle between calls. To do so, rock the headset volume control either way for more than 2 seconds. See diagram under "Adjusting Volume, Initiating Flash" on page 12.

When using PerSono Suite, the radio link between the headset and the base will only be active during a call. This is the default setting intended to preserve the battery life of the headset. However, you may wish to have the radio link active when not on a call so you can listen to other audio sources, such as streaming audio on your PC. You can open the radio link at any time by pressing the call control button on the headset.

NOTE: Locking the radio link on for extended periods of time will significantly reduce the standby and talk time of the headset.

For softphones not compatible with PerSono Suite

Check the PerSono Suite compatibility list at www.plantronics.com/SoftphoneCompatibility for the most current information on softphone compatibility.

If your softphone is not currently supported by PerSono Suite, remote detection and answer/end via the headset does not function. Pressing the call control button on the headset will only open and close the radio link providing audio; you must answer the call from the softphone.

ADJUSTING VOLUME, INITIATING FLASH

Rock the headset volume control back and forth to adjust listening volume.

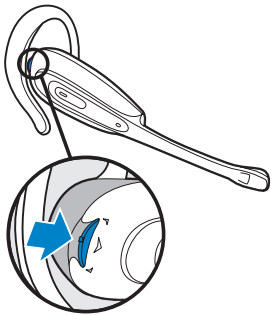To adjust the listen or speak volume of the softphone, please refer to the softphone user documentation.

To adjust the listen or speak volume of the audio device on the computer, use the Sound and Audio Devices section on the control panel in Windows®.

To initiate the flash function (see page 11 "To switch between calls"), rock the volume control to either side for more than 2 seconds.
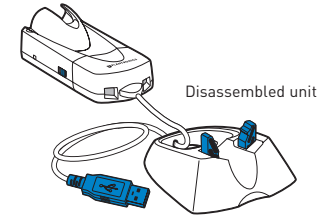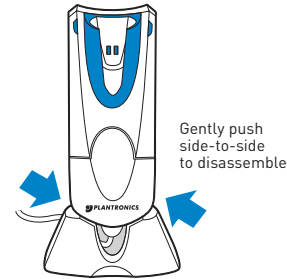
MUTING A CALL, INITIATING SMART BUTTON

To mute headset, briefly press the listening volume/mute button straight in. Press again to unmute.

You will hear 3 rapid beeps every 15 seconds to indicate mute is on.

To initiate the smart button, press and hold the listening volume/mute button for more than 2 seconds.

TRAVELLING WITH CS60-USB

Gently push side-to-side to disassemble

Disassembled unit

You have the option to easily disassemble the CS60-USB for travel.

To conserve headset power and to comply with air travel regulations, you should turn off the headset by simultaneously pressing both the call control button and listening volume/ mute button for 5 seconds. When the green talk indicator light on headset blinks, release both buttons.

To turn headset back on, press the call control button. The talk indicator light will quickly flash green.

NOTE: Once turned off, a single press on any button will turn the headset back on. Beware that if not stowed properly, the CS60-USB headset may inadvertently turn back on.

HEADSET CONTROLS

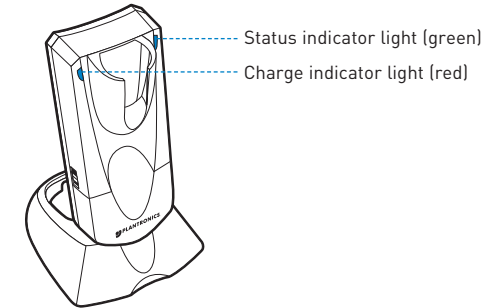| Key	Feature	Action	Tone
	Listening volume	Rock back and forth	Ascending/descending tones, 2 tones at limit
	Smart button	Press straight in and hold for more than 2 seconds	—
	Mute	Short key press straight in	3 tones every 15 seconds
	Flash	Rock in one direction for more than 2 seconds	—
	Making/answering/ending calls	Short key press	Mid tone
—	Low battery warning (5 minutes of talk time remaining)	Return headset to charging cradle	1 tone every 10 seconds
—	Out of range warning – when on an active call	Move closer to base	2 tones before range limit. 3 tones beyond range limit and active call will be suspended. 1 tone will sound when returning within range; call will be re-established if within 15 minutes
—	Incoming call notification	Press call control button to answer call	3 repetitive tones

BASE INDICATOR LIGHTS

Status indicator light (green)

Charge indicator light (red)

Action	Light
Charging	Red light illuminates brightly
Fully charged	Red light goes off
Muted	Green light flashes quickly
Headset not in base	Red light illuminates softly
Headset link active	Green light flashes slowly
Headset link inactive	Solid green light

TROUBLESHOOTING FOR CS60-USB

Problem	Solution
I've plugged everything in but the indicator lights won't come on.	• Check that the USB cable is connected to a powered computer. • Check that the computer is turned on and not in standby or hibernation mode. • If using a USB hub, check that the AC power supply is correctly connected and that the hub can supply 250 mA to charge the headset. • If using the AC charger, check that the AC charger jack is connected to the base unit, that the AC charger is securely connected to a working wall outlet and that it is the model supplied by Plantronics.

Problem	Solution
My headset does not work with the base unit.	• Headset may be out of range of the base. Move closer to base unit until the headset is within range. Range varies with office environment. • Headset battery needs to be charged. See page 7. If you are using a laptop that regularly goes into standby or hibernation, the optional AC power supply is provided to ensure the headset can be continuously charged. • Listening volume is too low. Press the volume up button on the headset. See page 12. • You may have to re-subscribe your headset with the base. See page 18.
My headset does not work with my softphone.	• Check compatibility list on **www.plantronics.com/ SoftphoneCompatibility** to ensure your softphone is compatible for remote answer and disconnect. • Headset battery needs to be charged. If you are using a laptop that regularly goes into standby or hibernation, the AC power supply is available to ensure the headset can be continuously charged. • CS60-USB may not be set as the default audio device in your softphone application.
I cannot hear caller.	• Check that all cords are connected correctly. • Check that the base has power (green indicator light) and the headset battery is fully charged. • Headset may be out of range of the base. Move closer to base unit until the headset is within range. Range varies with office environment. • Adjust the listen volume on the headset (see page 12), softphone and PC audio control. • Ensure the headset speaker is positioned snugly over your ear. • Incorrect softphone model selected. Ensure you have selected the correct softphone model through the software. • You may need to re-subscribe the headset. See page 18.
Callers cannot hear me.	• Headset is muted. Press the mute button on headset to unmute the microphone. See page 12. • Headset microphone boom aligned incorrectly. Align the headset boom with your mouth. • Speak volume is too low. Increase the speak volume on your softphone until you can be heard by callers. If the volume is still too low, increase the microphone level on your computer. • Headset battery needs to be charged. See page 7.

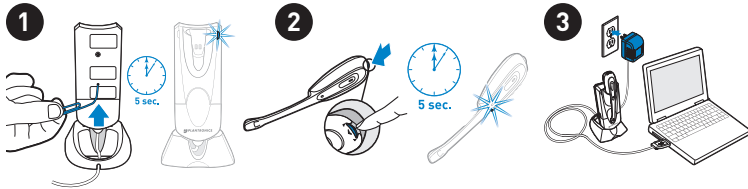| Problem	Solution
Sound in headset is distorted. I can hear echo in headset.	• Lower the listen volume on your softphone until the distortion disappears. • If the distortion is still present, lower the listen volume control on the computer. • Adjust volume on headset. See page 12.
I can hear too much background conversation or noise.	• Speak volume is too high. Lower the speak volume on your softphone until the noise disappears. If the noise is still present, lower the microphone volume control on the computer.
I hear static that does not allow me to communicate.	• Link to headset is lost. Try to re-establish a link by pressing the call control button. • Unplug the USB charger first, then unplug the AC charger (if used) from the base for 5 seconds. Plug the USB charger back in first, then AC adapter (if used) to power back up. • Reset the whole system as described on page 18.
People I talk to can hear a buzz in the background.	• Move the CS60-USB base further away from your phone. • AC charger is plugged into a power strip. Plug the AC charger into the wall directly.
The other headset I was using to listen to music does not work any more.	• The CS60-USB will set itself as the default audio device in Windows®. Use the Audio settings in Windows® under Sounds and Audio Devices to change the device used for audio.
My headset stops responding to button presses.	• Headset may require reset. See page 18. • Headset battery needs to be charged. See page 7. • If you are using a laptop that regularly goes into standby or hibernation, the optional AC power supply is provided to ensure the headset can be continuously charged.
Battery talk time performance is significantly degraded even after a full charge.	• Battery is deteriorating; replace the battery with a new battery pack. See page 19.
Headset is uncomfortable when worn in over-the-ear mode.	• Try changing earloop sizes. Experiment to find the best fit or use the over-the-head band supplied.
I hear beeps in the headset.	• One beep every 10 seconds is caused by a low battery warning. Recharge battery by returning headset to the base charging cradle for one to three hours until charge light stays lit or stops blinking. • Two beeps is an out of range warning. Move closer to the base. • Three beeps every 15 seconds indicate your mute is on. Press the mute button once to turn mute off.

SUBSCRIPTION

The headset and base unit are supplied subscribed to each other. However, if you wish to use a replacement headset with the base unit, then the units must be re-subscribed as follows:

Return the headset to the charging cradle.

1. Use a paperclip to press and hold the subscription button through the access hole on the base unit for a minimum of 5 seconds. The status indicator light will then flash.

2. Press and hold the headset mute switch for a minimum of 5 seconds. The headset indicator light will then illuminate.
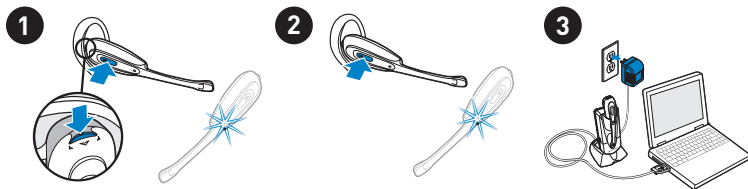
Successful re-subscription is indicated when the status indicator is fully illuminated and the talk indicator light is off.

3. Disconnect the USB charger first, then the AC charger (if used) from the AC charging jack for 5 seconds.

4. Reconnect the USB charger first, then the AC charger (if used).

If re-subscription fails within 2 minutes, the headset will return to the un-subscribed state. Try the re-subscription process again or call Technical Support.

SYSTEM RESET

To recover from some fault conditions (refer to Troubleshooting page), you may need to perform a system reset.
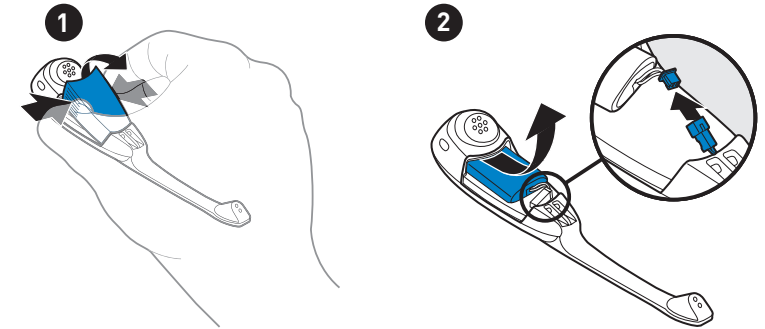

1. Press both the call control button and the listening volume/mute button for 5 seconds. When the talk indicator light blinks, release both buttons.

2. Press the call control button again. The talk indicator light will again blink briefly to indicate the headset is back to normal operation.

3. Disconnect the USB charger first, then the AC charger (if used) from the AC charging jack for 5 seconds.

4. Reconnect the USB charger first, then the AC charger (if used).
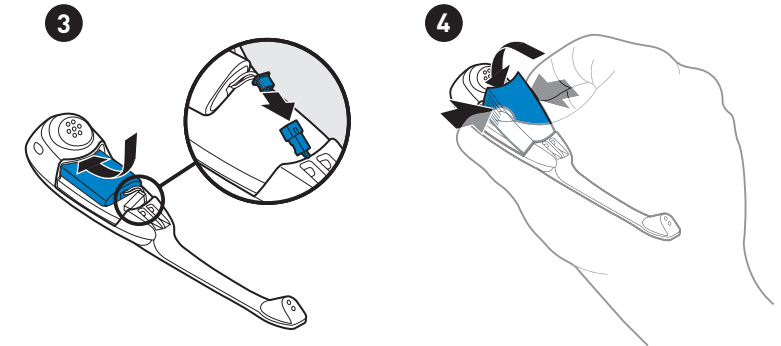
The system reset operation is complete.

BATTERY REPLACEMENT

The custom battery inside the headset should last 2-3 years. When talk time decreases significantly, you should replace the battery. Call Plantronics at 0800 410 014 to order one. Once you have received it, follow directions below to replace.

Pinch both sides of the battery cover and lift to remove.

Slide the battery out and gently separate at the connection. **DO NOT** pull the battery out by the wires.

Reconnect and install the new battery.

Pinch both sides of the battery cover and replace.

After replacing the battery, remember to allow 3 hours to fully charge.

MAINTENANCE

1. Unplug the unit from the computer and the AC charger from the power source before cleaning.
2. Clean the equipment with a damp (not wet) cloth.
3. Do not use solvents or other cleaning agents.

TECHNICAL ASSISTANCE

Visit our web site at **www.plantronics.com/support** for technical support including frequently asked questions, compatibility and accessibility information. The Plantronics Technical Assistance Center (TAC) is also ready to assist you on 0800 410 014.

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