

Figure 37: Touchscreen information and options for handling call collision

Note: call collision is not the same as call waiting, which is sometimes available when you are talking on one phone and a call comes in on that same phone. See *8.8: Managing Call Waiting* for details about how this is handled.

8.8 MANAGING CALL WAITING

Call waiting refers to the ability to place a current call temporarily on hold to answer another call coming in on the same phone. It is a feature that is provided by your phone company or softphone program, which means that it is largely external from the base or headset. However, you are able to manage call waiting using your headset multifunction button and/or touchscreen for the following types of phones:

- Mobile phones with call-waiting features and full support for the hands-free Bluetooth profile
- Softphones with call-waiting features that are also specifically supported by a Jabra driver

It is not possible to manage call waiting on a desk phone; in this case, you must use the physical controls of your desk phone if it supports call waiting. Similarly, if you are using an unsupported softphone, then you must use your softphone's native interface to manage its call-waiting features.

When call waiting is triggered by a new incoming call, the following occur:

- The standard call-waiting tone will sound in your headset.
- The touchscreen displays the incoming number (if available) and provides controls for handling the new call, as shown in Figure 38.
- Call-waiting control is enabled for the headset multifunction button. The commands for this are also outlined in Figure 38.

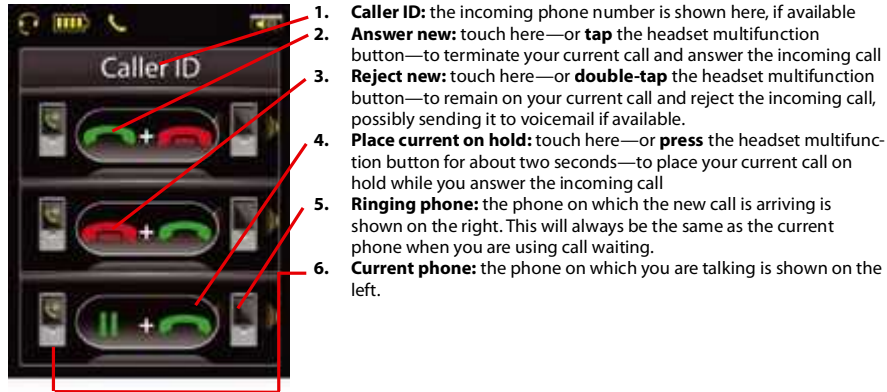


Figure 38: Touchscreen controls for managing call waiting when a new call arrives.

While call waiting is active (i.e., you have calls on hold), the following occur:

- The touchscreen displays the call-on-hold icon and provides controls for switching between active and held calls as shown in Figure 39.
- Call-waiting control is enabled for the headset multifunction button. The commands for this are also outlined in Figure 39.

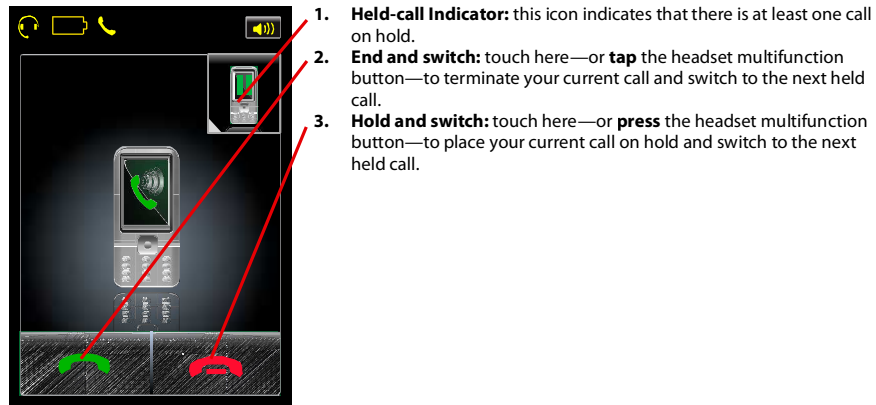


Figure 39: Touchscreen controls for managing call waiting while one or more calls are on hold

Note: call waiting is not the same as call collision, which is what happens when you are talking on one phone (e.g., your desk phone) and a new call comes in on another phone (e.g., your mobile phone). See 8.7: *Managing Call Collision* for details about how this is handled.

Note: if call waiting is active when a call collision occurs, then the touchscreen will indicate the collision and enable you either to ignore the incoming call or to answer it, thus dropping all of the active and held calls being managed by call waiting. The headset, however, does not provide a tone to inform you of a call collision if you have held calls; it essentially ignores the colliding call until there are no more calls on hold.

8.9 SETTING GENERAL USER PREFERENCES

When you are not using the headset, you are able to access the general user preferences on the base. Use this function to adjust your hearing-protection settings, switch to wideband or narrowband audio, control call recording, set the screen language, disconnect the headset or re-start some or all of the setup wizard.

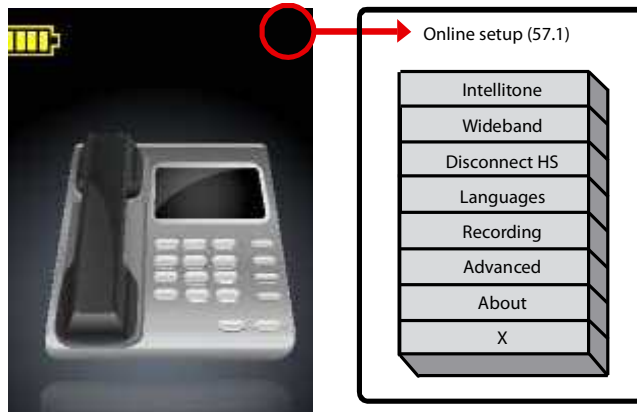



Figure 40: Finding the general user preferences

1. Wait until you have no active calls and will not need the phone for a few minutes.
2. Touch the  icon in the upper-right corner of the touchscreen (available only when all connected phones are idle).
3. The **Online Setup** menu opens. Select one of the following:
 - **Intellitone:** touch here to go to the settings for protecting your hearing. These settings are only available if they have not already been locked by your employer (as required by law in some jurisdictions). See also [2.1: Protecting your Hearing with Peakstop and Intellitone](#) for complete details about this feature.
 - **Wideband:** touch here to set the base to transmit wideband or narrowband audio to the headset. See also [8.12: Narrowband vs. Wideband Audio](#) for details about this feature.
 - **Disconnect HS:** touch here to break the wireless connection from the headset to the base. You might do this if you want to use a different headset or if you want to connect the headset to another device (such as a second mobile phone).
 - **Language:** touch here to change the language displayed for the touchscreen text.
 - **Recording:** touch here to control recording of your calls. See also [Chapter 10: Recording Your Calls](#) for complete details about this feature.
 - **Advanced:** touch here to run some or all of the setup wizard for configuring the connection from the base to your desk phone, mobile phone and/or computer. See also [8.10: Re-running the Desk Phone, PC and/or Mobile Phone Setup Wizards](#).
 - **About:** touch here to view a few technical details about the base, such as firmware revision, copyright details, etc.
3. Follow the instructions on your screen for the option you selected.

8.9 RE-RUNNING THE DESK PHONE, PC AND/OR MOBILE PHONE SETUP WIZARDS

The very first time you turn on the base, a setup wizard launches automatically, helping you to configure the connection to your desk phone, mobile phone and/or computer. Thereafter, the base starts normally each time you turn it on. However, if you would like to revisit your desk-phone, computer and/or mobile-phone setup, you can do so at any time. In each case, an on-screen wizard will help you make the relevant settings.

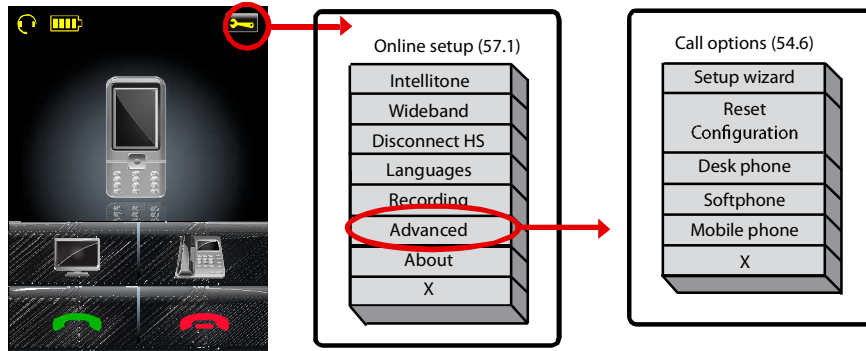



Figure 41: Finding the setup wizards

To run some or all of the setup wizard:

1. Wait until you have no active calls and will not need the phone for a few minutes.
2. Touch the  icon in the upper-right corner of the touchscreen (available only when all lines are idle).
3. The **Online Setup** menu opens. Touch the **Advanced** icon here.
4. The **Advanced** menu opens. Select one of the following:
 - **Reset configuration:** touch here to clear all base settings and launch the complete setup wizard.
 - **Desk phone:** touch here to reset your desk-phone configuration (including all termination-switch, electronic-hookswitch and microphone-level settings). The desk-phone part of the setup wizard then launches. All other settings will be kept. Note that this procedure will require you to make a call to the Jabra test server. Please see the printed Jabra PRO Quick Start Guide for a list of Jabra test-server phone numbers to find the one nearest you (you can also find this list on our web site).
 - **Softphone:** touch here to reset your softphone configuration and re-launch the softphone part of the setup wizard. All other settings will be kept.
 - **Mobile phone:** touch here to reset your mobile-phone configuration. The mobile-phone part of the setup wizard then launches. All other settings will be kept.
5. Follow the instructions on your screen for the wizard you selected. See also [4.1: Setup Overview and Background](#) and [4.2 The Quick-Start Setup Wizard](#) for background information that may help as you work through the setup wizard.

8.11 BASE AUDIO INDICATORS

The base includes a small speaker, which enables it to supply audio feedback and alerts if needed. This can include one or both of the following:

- A ringing sound to indicate an incoming call (can be especially useful when you are using a softphone or have the ringer disabled on your desk or mobile phone).
- A soft clicking sound to provide feedback when you use the touchscreen. This can help make using the touchscreen feel more like working with a physical control panel.

You can choose to enable/disable one or both of the above audio features by adjusting your personal settings. See [8.6: Setting Active-Call and Audio Preferences](#) for details about how to do this.

8.12 NARROWBAND VS. WIDEBAND AUDIO

The traditional telephone network supports only a limited range of frequencies. This frequency range, called narrowband audio, was selected during the early days of the telephone industry and reflects the technical limitations of that time. Newer technologies, including some VoIP and cellular networks, now support wideband audio, which can make people easier to understand and will also make music sound better when playing through the headset.

The Jabra PRO headset supports both wideband and narrowband audio, but uses narrowband by default. You should consider using wideband if you listen to music from your PC and/or if your voice-communication channels also support it. Note, however, that wideband audio may slightly reduce the range and/or battery life of your headset.

You are able to configure narrowband/wideband operation individually for each phone type (desk phone, softphone/PC and mobile phone (Jabra PRO 9470 only)). Of these, the PC connection is the most likely to benefit from wideband; few mobile phones and desk phones currently support wideband. If you configure the base to use wideband with a mobile phone that supports only narrowband, then Jabra PRO will automatically revert to narrowband communication with that mobile phone.

See 8.9: Setting General User Preferences for details about how to switch between narrowband and wideband audio.

8.13 CONFERENCE CALLING

The Jabra PRO Touchscreen Base enables you to connect a secondary Jabra PRO headset to the base, thereby adding another person to the conversation.

To begin a conference call, dock the secondary headset with the base that will host the call. You can do this either just before the call or at any time during the call. The touchscreen will ask you to confirm the new connection (see 8.5: *Pairing the DECT Base and Headset* for a detailed description). Thereafter, all audio will be shared by both connected headsets until one of the following occurs:

- The primary headset user hangs up.
- The secondary headset user **taps** the multifunction button on his or her headset.
- The secondary headset user docks his or her headset to its own base.

On disconnect, the secondary headset is permanently removed from the host base. You must repeat the full secondary-pairing procedure each time you want to have a conference call.

8.14 THEFT PROTECTION

The base includes a slot for attaching a security cable, which can help prevent the base from “accidentally” being removed from your desk while you are not paying attention. The slot meets the Kensington Security Slot standard, which is commonly found on laptops and laptop docking stations.

To secure the base to your desk, purchase any safety cable intended for use with the Kensington Security Slot standard and follow the instructions included with the cable.

8.15 DEALING WITH DENSITY ISSUES

When talking about wireless technologies, the term density refers to the number of wireless units that are operating in a given area and therefore have the possibility of interfering with each other. This may include a combination of Bluetooth, DECT, WiFi and other technologies. If the density becomes too high, then you may experience problems such as reduced range, sound-quality issues and/or dropped connections. If you are having these types of problems and suspect they are the result of excessive density, try the following:

- Use only narrowband audio, because it is less sensitive to interference than wideband audio (see above).
- Reduce the broadcast power level of one or more other wireless devices if possible (though this is not possible with Jabra Go headsets).
- Reduce the number of wireless units operating nearby your desk (e.g., by changing the locations of wireless network routers, other wireless phones, etc.)

See also the Jabra web site for more information about this issue, including a white paper that discusses it.

8.16 REPLACING THE CRADLE

Usually you will never want to remove the cradle once you have assembled your base. However, you might choose to upgrade your headset some time in the future and, in some cases, you will be able to replace the cradle on your base to enable you to use the upgraded headset with your existing base.

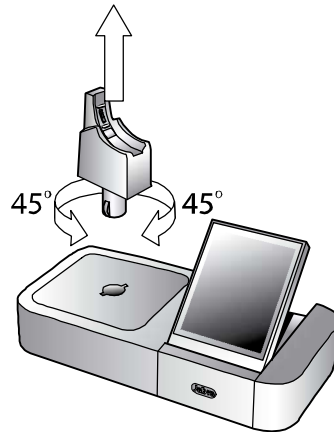


Figure 42: Removing the headset cradle from the base

To replace the headset cradle:

1. Rotate the cradle 45° clockwise or counterclockwise (depending on its current position) until it is positioned as shown above in Figure 42.
2. Gently lift the cradle up and away from the base.
3. Insert the replacement cradle using the opposite motion.

9. USING JABRA PRO 9470 WITH A MOBILE PHONE

Note: this chapter applies only to Jabra PRO 9470.

9.1 JABRA PRO BLUETOOTH SUPPORT

The Jabra PRO 9470 Base feature Bluetooth support, which means that you can place and receive calls through your Bluetooth-enabled mobile phone using your headset. The headset, however, is based on DECT wireless technology rather than Bluetooth, which means that you cannot pair it directly with your mobile phone. DECT provides several advantages for office use, including longer range and improved battery efficiency when compared to most Bluetooth devices. For example, most mobile phone support only Bluetooth Class 2, which is limited to 10m, while the DECT wireless link from the Jabra PRO 9470 Base to its headset has a range of up to 150m.

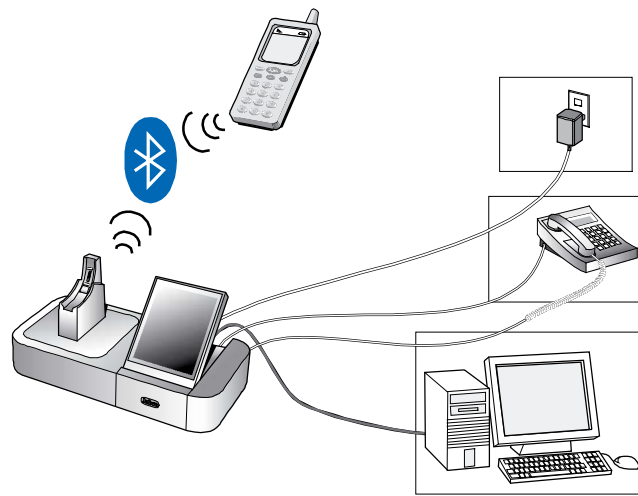


Figure 43: Jabra PRO 9470 Base connections with Bluetooth

From the mobile phone's point of view, the Jabra PRO 9470 Base looks just like a standard Bluetooth headset with hands-free, headset and phone-book access profile support. The headset profile enables the Jabra PRO solution to support standard calling features such as the basic audio link and hook-on/hook-off signals, while the hands-free profile provides advanced features such as call waiting, voice-activated dialing and more. The phone-book access profile enables you to browse and dial numbers from the mobile phone's list of incoming, outgoing and missed calls. The features available to you will depend on which of these are also supported by your mobile phone.

When you are at work (or wherever you use your Jabra PRO 9470 Base), simply keep your mobile phone near the base to enable three-way convergence calling (desk phone, softphone and mobile phone) through your single Jabra PRO headset. When you are on the road, use your mobile phone alone, or together with a travelling Bluetooth headset.

9.2 PAIRING AND CONNECTING THE BASE WITH OTHER BLUETOOTH DEVICES

What is Bluetooth Pairing?

Pairing is a standard Bluetooth term that describes the process by which two Bluetooth devices get to “know” each other and will thereafter accept connections with each other. To pair two Bluetooth devices, you must place each of them into pairing mode, which enables them to discover each other and establish communications.

All communications between your Jabra PRO 9470 Base and your mobile phone are encrypted, so others will not be able to intercept and understand your conversation. Establishing this encryption is an important part of the pairing process.

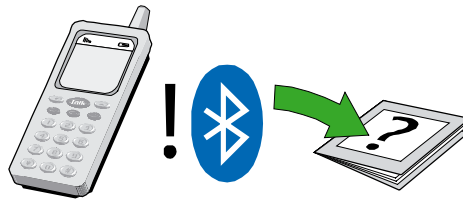
Each Bluetooth device maintains an internal *pairing table*, which lists details about each device with which it has been paired. The base pairing table holds details for just a single device—your mobile phone. Your mobile phone, however, might have several devices in its pairing table, such as other computers or Bluetooth headsets.

Just because two devices are paired, does not necessarily mean they are *connected*, which means that the link between them is active. Usually when you first pair two devices they will be connect at the same time, but thereafter they may become disconnected even though they remain on each other's pairing list (e.g., if you turn one of the devices off, bring the mobile phone out of range or use it with a third device). In this case, it may be necessary to *reconnect* the devices.

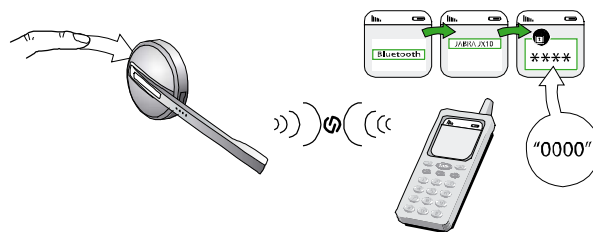
Pairing the Base with a Mobile Phone

To use Bluetooth, you must set up the wireless communication between the Jabra PRO 9470 Base and your mobile phone by *pairing* them (see above). The setup wizard helps you to do this during initial setup and can repeat the procedure at any time later as described below.

1. Launch the mobile-phone part of the setup wizard on the Jabra PRO base as described in [8.10: Re-running the Desk Phone, PC and/or Mobile Phone Setup Wizards](#). This puts the base into pairing mode, which causes it to advertise itself as a headset available for pairing.
2. Make sure that Bluetooth is active on your mobile phone and put your phone into Bluetooth finding mode. The exact procedure for doing this varies by mobile phone manufacturer and model—see your mobile phone manual for details.



3. Your phone now looks to see if any nearby Bluetooth devices are advertising themselves for pairing—this should include your Jabra PRO 9470 Base. Use your phone's controls to identify and select the “Jabra PRO 9470” device. Your phone may also ask for the headset's pass code. The pass code for all Jabra devices is 0000 (four zeros); if necessary, enter this code into your phone and commit the code (e.g., by pressing on an OK button).



4. Your phone will now attempt to connect to the base and then shows you the result of the attempt. If the attempt fails, please try again. If you are still having trouble, please check your mobile phone documentation and/or contact technical support for Jabra and/or your mobile phone.

Managing Bluetooth Connections

Once you have paired it with your mobile phone, the base manages its Bluetooth connection automatically even as you take the mobile phone out of range and/or turn off the devices from time to time. The connection will usually activate itself again automatically the next time the Jabra PRO 9470 Base and your mobile phone are turned on and in range. Operation is automatic, logical and intuitive so you will not normally need to think about it. However Jabra PRO does provide controls for managing the connection manually if necessary, as described below.

If you would like to drop the connection from the base to your mobile phone (for example, because you would like to connect your mobile phone to another device), do one of the following:

- Use the base touchscreen menus as described in *8.9: Setting General User Preferences*.
- Use the Jabra Control Center application of the Jabra PC Suite (see the PC Suite online help for details).
- Use the menu system on your mobile phone as described in your phone's documentation.

When you use the touchscreen menu or Jabra PC Suite to disconnect the base and mobile phone, as described above, then these two devices will not attempt to reconnect with each other, even if they remain turned on and in range. Usually, this is what you want when you manually disconnect them in this way. It can also sometimes occur that the two devices become disconnected for some other reason and have stopped trying to reconnect. To reconnect them, do one of the following:

- Use the base touchscreen menus. See *8.9: Setting General User Preferences* for instructions.
- Use the Jabra Control Center application of the Jabra PC Suite (see the PC Suite online help for details).
- Use the menu system on your mobile phone as described in your phone's documentation.

9.3 USING THE HEADSET WITH YOUR MOBILE PHONE

When using your headset with your mobile phone, you should keep the mobile phone on your desk somewhere close to the base. Most mobiles use Bluetooth Class 2, which supports a range of up to 10m. However, the Jabra PRO 9470 Base also supports Bluetooth Class 1, which enables you to keep your mobile phone up to 100m from the base if your phone also uses Bluetooth Class 1. Still, we recommend that you keep your base and mobile phone close together while you are using your headset.

See *Chapter 6: Daily Use—Calling, Answering and Hanging Up* for complete details about how to use your headset together with your mobile phone and other types of phones for day-to-day calling.

9.4 REVIEWING YOUR MOBILE PHONE CALL HISTORY

The base is able to fetch lists of placed, missed and received calls from your mobile phone, provided your phone also supports this feature. You can use the touchscreen to review the list and dial any of the numbers shown.

10. RECORDING YOUR CALLS

The Jabra PRO Touchscreen Base enables you to record your conversations using third-party software on your PC. Controls for working with this feature are included in the touchscreen menus. Experiment with the system to learn how to use this feature.

IMPORTANT: Never record conversations with people without first informing them that you are doing so and getting their permission. Recording people surreptitiously may be against the law and can also lead to law suits.

11. FAQs AND TROUBLESHOOTING

Q: I am getting a buzzing sound on my headset.

A: If the unit has been correctly set-up, your telephone may not be fully immune to the radio signals the headset uses. To overcome this problem, move the headset base at least 30 cm away from the telephone. You may want to reduce the range of your unit instead.

Q: Is it possible to automate calling and answering on my desk phone without using a handset lifter?

A: Yes, if your desk phone has an electronic-hookswitch feature. Check with your supplier for compatibility with your phone, and/or consult the Jabra support site on the web.

Q: My telephone includes an electronic hookswitch feature that should work with my headset, but I cannot make it function.

A: Please check your desk phone documentation to see if any special configuration settings are required on the desk phone. See also the Jabra web site for more information, including compatibility and the correct, clear dial tone switch setting.

Q: I am having problems pairing my Jabra PRO 9470 Base with my mobile phone.

A: Please check the following:

- Make sure that base is in pairing mode by running the mobile-phone setup wizard (see 8.10: *Re-running the Desk Phone, PC and/or Mobile Phone Setup Wizards*).
- Make sure that the mobile phone is also in pairing mode.
- Remember that the base reports itself as "Jabra PRO 9470" and requires the pin code "0000" (four zeros) to accept pairing.
- If you are still having trouble, see also 9.2: *Pairing and Connecting the Base with Other Bluetooth Devices*.

Q: I cannot hear sound or listen to music from my PC in my headset.

A: Please check the following:

- Make sure that the Jabra PRO Touchscreen Base is selected as the current audio device both in the Windows sound control panel and in the application you are using.
- Make sure the PC is the current target (see also 6.2: *The 'Target Phone' Concept*).
- Make sure the audio link to the PC is open (e.g. by touching the open-connection button on the touchscreen or right-clicking on the Jabra Device Service icon in the Windows notification area on you PC).

Q: Can I pair my headset directly with a third-party DECT phone?

A: No, you can only pair the headset with a Jabra PRO base. This is because Jabra PRO uses an enhanced version of the DECT standard, thereby enabling many of its advanced call-handling features. Unfortunately, these enhancements are not supported by third-party manufacturers.

Q: My computer does not detect the Jabra PRO Touchscreen Base

A: Try connecting your base or adapter to another USB port on the PC.

Q: Nothing happens when I try to use my desk phone.

A: Check the following:

- Make sure the base is powered (the touchscreen is on).
- Make sure the desk phone is the current target (see also 6.2: *The 'Target Phone' Concept*).
- Make sure the audio link to the desk phone is open (e.g. by **tapping** the headset multifunction button or touching on the open-connection icon on the touch screen)
- Make sure that the telephone has opened its link to the phone network (its handset is off the hook or its headset button is pressed).

Q: I can hear myself when I talk over my desk phone

A: The microphone level for your headset is probably too high. Re-run the desk phone setup wizard (see 8.10: *Re-running the Desk Phone, PC and/or Mobile Phone Setup Wizards*).

Q: The sound in the headset is of poor quality or the person at the other end cannot hear me when I talk over my desk phone

A: The termination switch in the base may be set incorrectly. Re-run the desk phone setup wizard (see 8.10: *Re-running the Desk Phone, PC and/or Mobile Phone Setup Wizards*).

Q: When I try to make a call on my desk phone, the GN1000 RHL lifts, but the call is not connected.

A: The GN1000 cannot be used together with a headset port. Make sure that the base is connected to your desk phone's handset port, not its headset port (if it has one).

Q: I have moved desk at work. Is it possible to put my headset on another base?

A: Yes. Just place your headset into the cradle on the new base. The two devices will pair and connect automatically.

Q: I cannot hear anything in my headset when using my mobile phone.

A: Try the following:

- Make sure the two devices are paired and connected as described in *9.2: Pairing and Connecting the Base with Other Bluetooth Devices*.
- Increase the speaker volume on the headset by sliding your finger up the touch-sensitive strip on the side of the headset.
- Increase the transmission volume using the controls of your mobile phone (see your phone manual for details). This also may help you to balance the sound level of your various phones.

12. GETTING ASSISTANCE

If you are having problems with your headset solution that are not addressed by the information in this manual, then please feel free to contact Jabra technical support at any the locations listed below.

12.1 EUROPE

Web (for the latest support info and online User Manuals):
www.jabra.com

Phone:

Belgique/Belgium:	0800722 52272
Danmark:	70252272
Deutschland:	08001826756
Die Schweiz:	00800 722 52272
España:	900 984572
France:	0800 900325
Israel:	00800 722 52272
Italia:	800 786532
Luxembourg:	00800 722 52272
Nederland:	0800 0223039
Norge:	800 61272
Österreich:	00800 722 52272
Portugal:	00800 722 52272
Suomi:	00800 722 52272
Sverige:	020792522
United Kingdom:	0800 0327026

12.2 USA AND CANADA

Web (for the latest support info and online User Manuals):
www.jabra.com

E-mail Technical support:

techsupp@jabra.com

E-mail Information:

info@jabra.com

Phone (toll-free in USA and Canada):

1 (800) 327-2230

12.3 ASIA/PACIFIC

Web (for the latest support info and online User Manuals):
www.jabra.com

Phone (toll free)

Australia:	1-800-083-140	(Monday to Friday 10:00 – 19:00)
China:	800-858-0789	(Monday to Friday 08:00 – 17:00)
Hong Kong:	800-968-265	(Monday to Friday 08:00 – 17:00)
Indonesia:	001-803-852-7664	(Monday to Friday 08:00 – 17:00)
Japan:	0034-800-400-594	(Monday to Friday 09:00 – 18:00)
Malaysia:	1800-812-160	(Monday to Friday 08:00 – 17:00)
New Zealand:	0800-447-982	(Monday to Friday 12:00 – 21:00)
Singapore:	800-860-0019	(Monday to Friday 08:00 – 17:00)
Taiwan:	0080-186-3013	(Monday to Friday 08:00 – 17:00)

13. TECHNICAL SPECIFICATIONS

13.1 ALL JABRA PRO HEADSETS

Operating environment:

-10°C to +55°C (0°C to +40°C when charging); up to 98% humidity

Call control:

Multifunction button supporting answer call, end call, voice-activated dialing, reject call, redial, swap held calls; docking operations can also answer and end calls

Volume control and microphone mute:

Controlled via touch-panel on headset

Visual indicator:

Multi-color LED indicates call status, battery level, pairing status and other events.

Audio indicators:

Tones to indicate incoming calls, low battery, volume level, microphone muting and other events; target phone can be indicated by English voice tag or target-specific melody

Sound quality:

DSP noise reduction; echo cancellation; tone control; narrowband and wideband audio (selectable per phone type)

Firmware update:

Downloadable from PC

Recharge:

While docked in base

PC-based configuration:

All settings can be stored and loaded from a PC for backup and mass deployment

DECT range:

Up to 150m from base to headset

13.2 JABRA PRO MIDI HEADSET

The Jabra PRO Midi Headset is included with Jabra PRO 9470 and Jabra PRO 9460. In addition to the specifications listed above, this headset provides the following:

Wearing styles:

Ear hook, headband, neckband (either included or available as accessories, depending on model)

Speakers:

1

Boom style:

Midi

Microphone:

Dual noise-blackout microphones

13.3 JABRA PRO FLEX HEADSET

Wearing styles:

Ear hook, headband, neckband (either included or available as accessories, depending on model)

Speakers:

1

Boom style:

Flex

Microphone:

Single noise-cancelling microphone

13.4 JABRA PRO 9450-DUO HEADSET

- Wearing style:**
headband
- Speakers:**
2 (dual mono)
- Boom style:**
flex
- Microphone:**
single noise-cancelling microphone

13.5 HEADSET HEARING PROTECTION

All Jabra PRO 9450 and 9470 headsets can be configured to provide any of several levels of protection, depending on how long you use the headset each day. A specific setting may be required in some jurisdictions. See also 2.1: *Protecting your Hearing with Peakstop and Intellitone*.

All four Intellitone levels above zero meet and exceed de facto global protection levels, and are compliant with NIOSH standards and EU health and safety codes of 85 dB(A). They are also compliant with Directive 2003/10/EC of the European Parliament and Council of 6 February 2003.

The TT4 protection level is compliant with pertinent Australian recommendation.

13.6 HEADSET BATTERY

All Jabra PRO headsets use the same type of battery, which has the following specifications:

- Battery type:**
Lithium Ion
- Battery capacity:**
125 mAh, nominal
- Battery talk time:**
Up to 10h.
- Battery lifetime:**
Minimum 500 charge cycles (over 3 years when used for 8 hours a day)
- Battery standby time:**
At least 100h at -10°C to +60°C.
- Battery charge time:**
From 0 to 80% of full capacity in 25min
- Shelf life:**
Holds a charge for at least 6 months in the off state before recharge is required
- Replacement:**
Battery lifetime is usually about 3 years with regular use. Contact your Jabra dealer for details about how to order a battery-replacement kit for your headset.

13.7 MATERIALS AND ALLERGIES

The headband attachment is made of stainless steel and does not have a nickel-coated surface. Nickel release from the headband is 0.02 µg/cm²/week, which is well below the 0.50 µg/cm²/week limit established by EU Directive 94/27/EF. The stainless steel alloy was tested for nickel release in accordance with the European standard EN 1811:1998.

Other wearing-style attachments are made of plastic and contain no known allergens.

The leatherette ear cushions do not contain vinyl.

The products contain no nickel, chrome or natural rubber that can come into contact with users' skin.

13.8 TOUCHSCREEN BASE

All Jabra PRO bases described in this manual meet the following specifications (model differences are noted where relevant). The 9470 base also supports Bluetooth, which is specified in the next .

Dimensions:

160mm x 94mm x 82mm

DECT range:

Up to 150m from base to headset

Operating environment:

-10°C to +55°C (0°C to +40°C when charging); up to 98% humidity

Touchscreen:

2.4" touch-sensitive TFT; Q-VGA resolution

Touchscreen functions:

Detailed call handling, system configuration and setup wizard; can fetch and redial from mobile-phone call history (incoming, outgoing and missed calls)

Recharge cradle:

Fits supplied Jabra PRO headset; features magnetic coupling; easily replaced to accommodate future headset upgrades.

Audio:

Built-in speaker can provide ring tones and/or audio feedback for touchscreen operation

Audio bandwidth:

Narrowband or wideband

Desk phone connections:

RJ-11 for handset, RJ-11 for phone body (or headset port), RJ-45 for AUX (for electronic hookswitch or GN1000 handset lifter)

Termination switch and microphone calibration: software controlled and adjusted automatically by calling Your local Jabra test server.

Electronic hookswitch standards:

GN1000, Cisco, DHSG, MSH, AEI (each requires additional cabling and/or equipment available separately; more may become available in future and added via firmware upgrade)

PC connector:

Mini USB

Firmware update:

Downloadable from PC; also can include language packs for touchscreen display

PC-based configuration:

All settings can be stored and loaded from a PC for backup and mass deployment

Softphone support (included with Jabra PRO 9470):

Full call handling for Skype, Cisco IP Communicator, Microsoft Office Communicator; others see headset as a standard sound card; support for additional softphones may be added via driver updates for the PC; can be added to Jabra PRO 9450 by purchasing an extra license key

Theft protection:

Kensington Security Slot standard

13.9 JABRA PRO 9470 BASE BLUETOOTH SUPPORT

In addition to the common specifications listed above, the Jabra PRO 9470 Base also includes Bluetooth support with the following specifications:

Bluetooth version:

BT 2.1 Class 1

Bluetooth range:

Up to 100m when paired with a Bluetooth Class 1 device; up to 10m when paired with a Bluetooth Class 2 device.

Bluetooth profiles:

Headset profile (HSP 1.1), hands-free profile (HFP 1.5), device-identification profile (DIP 1.3), phone-book access profile (PBAP 1.0)

Bluetooth pairing table:

1 trusted device (headset)

Simultaneous Bluetooth connections:

1 (headset)

13.10 PRODUCT DISPOSAL

Please dispose of the headset according to local regulations and recycle when possible. Do not dispose as household waste. Do not dispose of the headset in a fire as the battery may explode. Batteries may also explode if damaged.

13.11 CERTIFICATIONS AND SAFETY APPROVALS

CE

This product is CE marked according to the provisions of the R & TTE Directive (99/5/EC). Hereby, GN declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For further information, please consult <http://www.jabra.com>.

Within the EU, this device is intended for use in Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, The Netherlands, United Kingdom, and within EFTA in Iceland, Norway and Switzerland.

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by Jabra will void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The user must place the base 8" (20 cm) or more from any personnel in order to comply with FCC RF exposure requirements.

Industry Canada

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device. The term "IC:" before the certification/registration number only signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.



Dispose of the product according to local standards and regulations.



www.jabra.com/weee

JJABRA PFO 9450, 9450-DU0, 9460 AND 9470 USER MANUAL

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