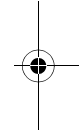
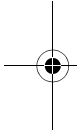
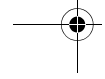
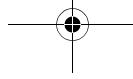
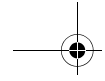


User's Guide for the Wireless Headset (HDW-2)



9355260
Issue 1





DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the product HDW-2 is in conformity with the provisions of the following Council Directive: 1999/5/EC.

A copy of the Declaration of Conformity can be found from http://www.nokia.com/phones/declaration_of_conformity/.

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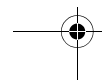
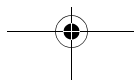
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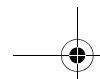
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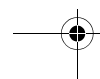
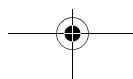
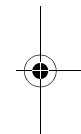
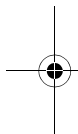
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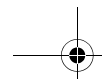




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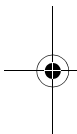
Introduction



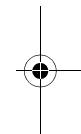
1. Introduction

The Wireless Headset HDW-2 can be connected without wires to a compatible phone that supports Bluetooth wireless technology. This gives you complete freedom for making and receiving calls while on the move or at the office.

Read this user's guide carefully before using the headset. More detailed information is provided by your phone's own user's guide. Do not use this Wireless Headset (HDW-2) user's guide in place of your phone's user's guide, which provides important safety and maintenance information.



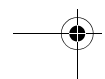
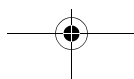
■ Bluetooth wireless technology

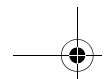


Since Bluetooth devices communicate using radio waves, your Bluetooth phone and headset do not need to be in a line of sight. The two devices only need to be within a maximum of 10 meters of each other, although the connection can be subject to interference from obstructions, such as walls, or from other electronic devices.

The headset is specially designed for Nokia phones that support Bluetooth wireless technology. The headset can, however, be used with any compatible Bluetooth devices that support the Handsfree or Headset profile. (Here, "Profile" means a set of Bluetooth commands that your phone uses for controlling the headset.)

The headset provides the best performance when it is used with a compatible Nokia phone. If you use the headset with a phone produced by





Introduction



another manufacturer, all the functions described in this user's guide may not be available.

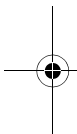
In some countries, there may be restrictions on using Bluetooth devices. Check with your local authorities.

■ Chargers and batteries

Check the model number of any charger before using it with this device. The Wireless Headset HDW-2 is intended for use with the following chargers: ACP-8, ACP-9 and ACP-12.

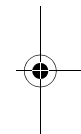


Warning! Use only batteries and chargers approved by Nokia for use with this particular accessory. The use of any other types will invalidate any approval or warranty applying to the accessory, and may be dangerous.



For availability of approved batteries and chargers, please check with your local dealer.

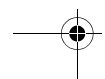
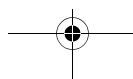
When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.



■ The card in the sales package

The card contains the Bluetooth passkey you need for pairing your phone with the headset. Keep this card in a secure place.

For instructions on using the passkey, see Taking the headset into use for the first time on page 10.

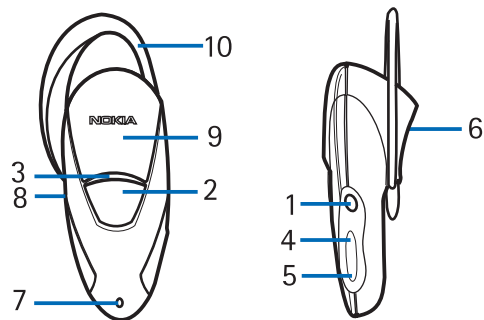


Getting started

2. Getting started

■ Overview

The headset contains the following parts:



1 - **Power key:** Switches the headset on and off.

2 - **Answer/end key:** Answers or ends the call. This key can also be used for voice dialling, redialling and switching an active call between the headset and the phone.

3 - **Indicator light:** Displays the current status of the headset.

4 - **Volume up:** Increases the earphone volume during a call.

5 - **Volume down:** Decreases the earphone volume during a call.

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Getting started

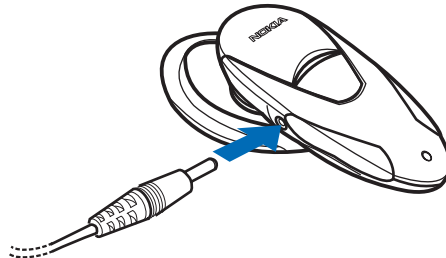
- 6 - Earphone: Relays the caller's voice.
- 7 - Microphone: Picks up your voice.
- 8 - Charger connector
- 9 - Battery door
- 10 - Earloop

■ Charging the battery

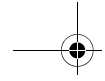
The headset has a rechargeable NiMH battery. If you need to replace the battery, you can purchase a new one from your nearest authorised dealer.

To charge the battery:

1. Connect the charger cable to the headset. For a list of compatible chargers, see Chargers and batteries on page 5.



2. Connect the charger to an AC wall outlet. The red indicator light is displayed during charging. Charging the battery fully takes between 1 and 2 hours, depending on the charger.



Getting started



3. When the battery is fully charged, the green indicator light is shown. Disconnect the charger from the AC wall outlet and the headset.

When the battery charge falls low

The fully charged battery has power for up to 3 hours of talk time and up to 60 hours of standby time. (In standby mode, the headset is switched on but no call is in progress.)

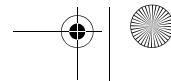
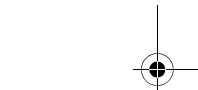
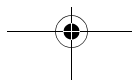
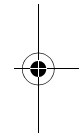
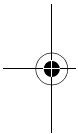
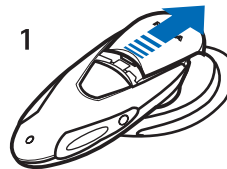
When the battery is running out of power, the headset beeps. Charge the battery as described above.

■ Changing the battery

When the operating time is noticeably shorter than normal, it is time to buy a new battery.

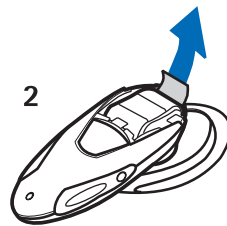
To change the battery:

1. Open the battery door by gently sliding it backwards (1).

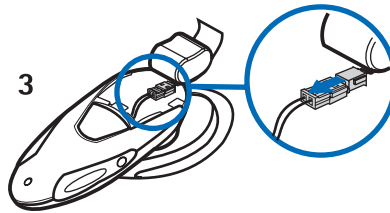


Getting started

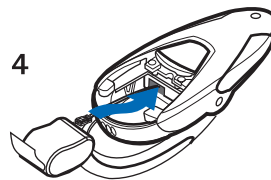
2. Remove the battery by pulling the strap (2).



3. Detach the battery from the connector (3).



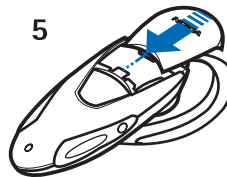
4. Attach the new battery to the connector.



5. Place the connector in the space reserved for it and set the battery into its place (4).

Getting started

6. Close the battery door and make sure it is properly locked in place (5).



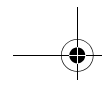
Switching the headset on or off

To switch on: Press and hold the **power key** for 2 seconds. The headset beeps and the green indicator light starts blinking. The blinking continues until the headset is connected to your phone, within 5 minutes. If the headset cannot be connected to your phone during this time, the headset is switched off.

To switch off: Press and hold the **power key** for 2 seconds. The headset beeps and the red indicator light is displayed briefly.

Taking the headset into use for the first time

1. Make sure that your phone is switched on.
2. Switch on the headset.
3. Enter your phone's Bluetooth menu and make sure that the Bluetooth feature is activated.
4. Enter the submenu where you can set the phone to search for Bluetooth devices, and start the search.



Getting started



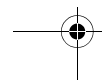
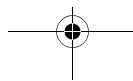
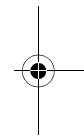
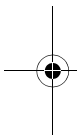
The phone searches for all Bluetooth devices within about 10 meters and displays them as a list.

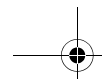
5. Select the headset from the list.
6. Enter the passkey to associate ("pair") and connect the headset to your phone. **The passkey is marked on the card that is provided in the sales package of the headset.**

Once you have entered the passkey, your phone becomes the default phone for the headset, if the headset has not been previously paired with another phone. See also Using the headset with several phones on page 18.

The headset beeps and appears in the phone menu where you can view the Bluetooth devices that are currently paired with your phone.

7. Start using the headset (see page 14).





Getting started

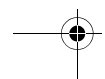
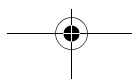
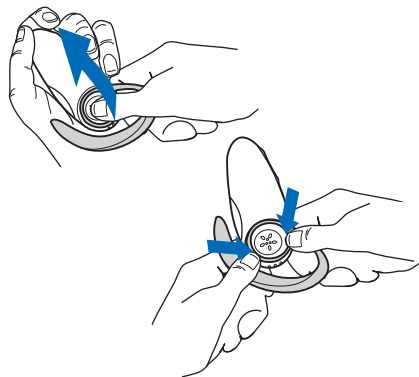
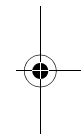
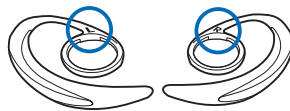
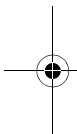


■ Adjusting the headset to your ear

The headset can be worn on either ear.

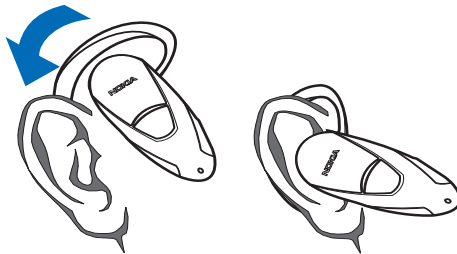
For optimal fit, choose between the two different-sized earloops provided in the sales package.

To change the orientation of the earpiece, detach the earloop from the body part as shown in the figure below, and place it back according to the L/R markings on the earloop. L stands for the left ear, and R stands for the right ear. When, for example, the R marking is visible, you can wear the headset on your right ear.



■ Placing the headset on the ear

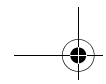
Slide the earloop gently behind your ear as shown in the figure below:



■ Troubleshooting

If you cannot connect the headset to your phone, proceed as follows:

- Make sure that the headset is switched on and paired with your phone.
- Make sure that the Bluetooth feature is activated on your phone.
- Check that the headset is within a maximum of 10 meters of your phone and that there are no obstructions, such as walls, or other electronic devices between the headset and the phone.
- The pairing information list of the headset may be full. The headset can store the information of up to 8 phones at a time. If the list becomes full, reset the headset to the original settings (see page 19).
- If the headset does not respond to your actions, remove the battery for a short while.



Using the headset



3. Using the headset

Before using the headset, make sure that:

- The headset is paired and connected to your phone. For instructions on pairing the headset, see Taking the headset into use for the first time on page 10. For instructions on connecting the headset, see Connecting the paired headset to your phone below.
- The phone's Bluetooth feature is on; see your phone's user's guide
- The headset is switched on; see Switching the headset on or off on page 10
- The headset is within a maximum of 10 meters of your phone
- There are no obstructions, such as walls, or other electronic devices between the headset and the phone.

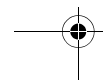
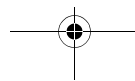
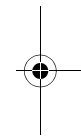
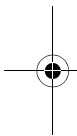
For information on using the headset with several phones, see page 18.

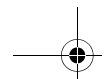
■ Connecting the paired headset to your phone

The headset is disconnected from the phone when, for example, the headset is switched off.

To connect the headset to your phone, switch on the headset or make the connection in the phone's Bluetooth menu.

Note that switching on the headset creates the connection automatically only if you have set the phone to accept Bluetooth connection requests





Using the headset



without your permission. In Nokia phones this can be done by changing your paired devices settings in the Bluetooth menu.

For more information on disconnecting the headset from your phone, see page 17.

■ Making a call

When the headset is connected to your phone, make the call by using your phone in the normal way.

■ Voice dialling

When no call is in progress, press and hold the **answer/end** key until you hear a tone that indicates that you can say the desired name ("voice tag"). Say the voice tag. The phone plays the voice tag and dials the related phone number.

You can also activate voice dialling with your phone. For details on voice dialling, see your phone's user's guide. Note that this functionality is only available if your phone supports voice dialling.

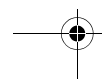
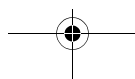
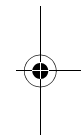
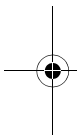
■ Redialling the last dialled number

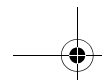
Press the **answer/end** key twice briefly while no call is in progress.

■ Answering a call

Press the **answer/end** key to answer the call.

You can also answer the call by using your phone in the normal way.





Using the headset

When you receive a call, you hear a ringing tone selected on your phone also through the headset.

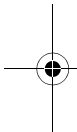


■ Ending a call

Press the **answer/end** key to end the currently active call. You can also end the call by using your phone in the normal way.

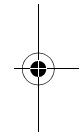
■ Rejecting a call

If you do not want to answer a call, briefly press the **answer/end** key twice.



■ Automatic answer

If the Automatic answer function is set on in your phone, the phone automatically answers the incoming call after one ring.

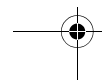
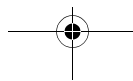
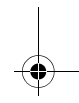
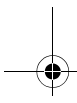


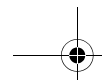
■ Adjusting the earphone volume

Press the **volume up** key to increase or the **volume down** key to decrease the volume. To adjust the volume quickly, press and hold either of these keys.

■ Switching the call between phone and headset

You can switch the active call between the headset and the phone. This functionality is supported in all compatible Nokia phones.





Using the headset



To switch the call from headset to phone:

- Press and hold the **answer/end** key. **OR:**
- Use the respective function in your phone.

To switch the call from phone to headset:

- Press and hold the **answer/end** key. **OR:**
- Use the respective function in your phone.

■ Disconnecting the headset from the phone

You can disconnect the headset from your phone when, for example, you want to use another Bluetooth device with your phone.

The headset can be disconnected in the following ways:

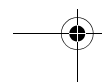
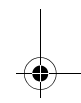
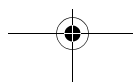
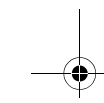
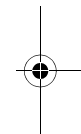
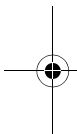
- Switch off the headset. **OR:**
- Disconnect the headset in the phone's Bluetooth menu. **OR:**
- Move the headset more than 10 meters away from the phone.

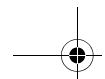
The headset is also disconnected if its battery becomes flat.

Note that you do not need to delete the pairing with the headset to disconnect it. When you reconnect a paired headset, you will not be asked for its passkey.

Reconnecting the paired headset to your phone

See Connecting the paired headset to your phone on page 14.





Using the headset

■ Using the headset with several phones

Before the headset can be used with your phone, the phone has to be paired with the headset. The headset can be paired with up to 8 phones but connected to only one phone at a time.

Using the headset with several paired phones

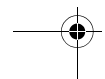
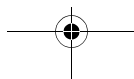
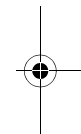
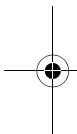
The phone that was first paired with the headset is called the "default phone". The phone that was last used with the headset is called the "last used phone".

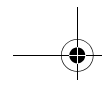
If the headset is switched on within 10 metres of several paired phones, the headset will try to connect to the "default phone" within a few seconds.

If the headset cannot connect to the "default phone" (because, for example, it is switched off or its user rejects the connection), the headset tries to connect to the "last used phone" within a few seconds.

If the headset cannot connect to either of the phones, it remains discoverable for other phones for the next 5 minutes, which is displayed by the blinking green indicator light. If you do not make the connection during this time, the headset is switched off automatically.

If you want to use the headset with a paired phone that is not a "default phone" or "last used phone", make the connection in your phone's Bluetooth menu.



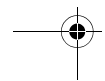
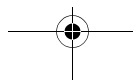
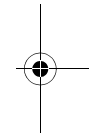
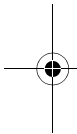


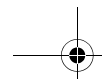
■ Resetting the headset

You can reset the headset to the original settings to, for example, change the default user of the headset.

When you reset the headset, all of its settings, including pairing information, are cleared.

To reset the headset: Press and hold the power key together with the volume up key for 10 seconds. After the headset has been reset, the headset beeps twice and the red and green indicator lights alternate for several seconds.





Battery information

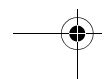
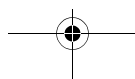
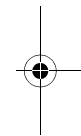
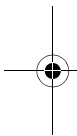


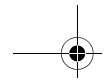
4. Battery information

Your headset is powered by a rechargeable battery. Take good care of the battery and follow the guidelines below.

Charging and discharging

- Note that a new battery's full performance is achieved only after two or three complete charge and discharge cycles!
- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time is noticeably shorter than normal, it is time to buy a new battery.
- Use only batteries approved by Nokia and recharge your battery only with the chargers approved by Nokia. Unplug the charger when not in use. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its lifetime. If left unused a fully charged battery will discharge itself over time.
- Temperature extremes can affect the ability of your battery to charge.
- For good operation times with NiMh batteries, discharge the battery from time to time by leaving your headset switched on until it turns itself off. Do not attempt to discharge the battery by any other means.
- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged.
- Leaving the headset in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of





Battery information



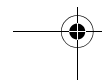
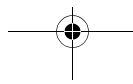
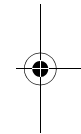
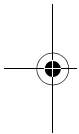
the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A headset with a hot or cold battery may temporarily not work, even when the battery is fully charged.

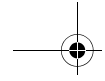
Batteries' performance is particularly limited in temperatures well below freezing.

- Do not dispose of a battery in a fire!



Dispose of batteries according to local regulations (e.g. recycling). Do not dispose as household waste.





Care and maintenance

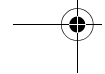
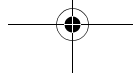
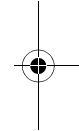
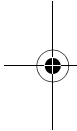


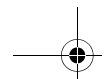
Care and maintenance

Your headset is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfil any warranty obligations and to enjoy this product for many years.

- Keep all accessories out of the reach of small children.
- Keep the headset dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the headset in dusty, dirty areas. Its moving parts can be damaged.
- Do not store the headset in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the headset in cold areas. When it warms up (to its normal temperature), moisture can form inside, which may damage electronic circuit boards.
- Do not attempt to open the headset. Non-expert handling may damage it.
- Do not drop, knock or shake the headset. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the headset.
- Do not paint the headset. Paint can clog the moving parts and prevent proper operation.

If the headset is not working properly, take it to your nearest qualified service facility. The personnel there will assist you and, if necessary, arrange for service.





Care and maintenance



FCC Notice – Nokia Wireless Headset HDW-2

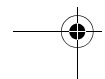
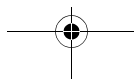
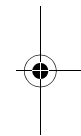
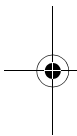
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

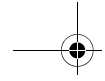
1. This device may not cause harmful interference; and
2. This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. 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.

NOTE: Modifications not expressly approved by Nokia could void the user's authority to operate the equipment.





Care and maintenance



EXPOSURE TO RADIO FREQUENCY RADIATION

The radiated output power of this internal wireless radio is far below the FCC radio frequency exposure limits. Nevertheless, the wireless radio shall be used as described in the manual. The internal wireless radio operates within guidelines found in radio frequency safety standards and recommendations, which reflect the consensus of the scientific community.

Nokia therefore believes the internal wireless radio is safe for use by consumers. The level of energy emitted is far less than the electromagnetic energy emitted by wireless devices such as mobile phones. However, the use of wireless radios may be restricted in some situations or environments, such as aboard airplanes. If you are unsure of restrictions, you are encouraged to ask for authorization before turning on the wireless radio.

