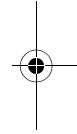
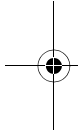
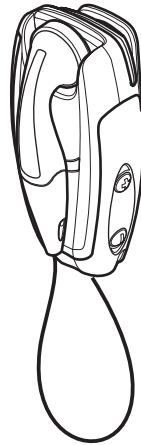


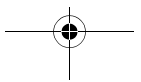


## User Guide for the Wireless Clip-on Headset (HS-21W)

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Issue 1



#### DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the product HS-21W is in conformity with the provisions of the following Council Directive: 1999/5/EC. A copy of the Declaration of Conformity can be found at [http://www.nokia.com/phones/declaration\\_of\\_conformity/](http://www.nokia.com/phones/declaration_of_conformity/).

# CE0682

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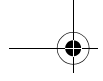
There may be restrictions on using Bluetooth technology in some locations. Check with your local authorities or service provider.

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## Introduction



# 1. Introduction

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The Wireless Clip-on Headset HS-21W can be connected to a compatible phone that supports Bluetooth technology. This allows you freedom to make and receive calls while on the move or in the office.

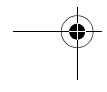
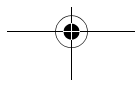
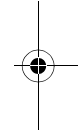
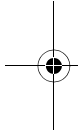
Read this user guide carefully before using the headset. In addition to this user guide, read also the user guide for your phone, which provides important safety and maintenance information. Keep the headset out of reach of small children.

## ■ Bluetooth wireless technology

The Bluetooth technology makes it possible to connect compatible communication devices without using cables. A Bluetooth connection does not require that the phone and the headset be in line of sight, but both devices should be within 10 metres of each other. Connections can be subject to interference from obstructions, such as walls, or other electronic devices.

The Wireless Clip-on Headset HS-21W is specially designed for compatible Nokia phones that support Bluetooth technology. The headset can, however, be used with any compatible Bluetooth devices that support the compatible Handsfree or Headset profiles. (A profile is a set of Bluetooth commands that the phone uses to control the headset).

The Wireless Clip-on Headset HS-21W is compliant with the Bluetooth Specification 1.1 supporting the following profiles: Headset Profile 1.1, Handsfree Profile 1.0. However, interoperability between the Wireless Clip-on Headset HS-21W and other Bluetooth-enabled products is not guaranteed because it depends on compatibility. Check with the manufacturers of other devices to determine their compatibility with this device.



## 2. Getting started



**Note:** The use of wireless devices may be restricted in some situations. Observe any restrictions and obey all signs and instructions concerning use of wireless devices.

### ■ Overview

The headset contains the following parts, as shown in Figure 1.



**Note:** Parts of the headset are magnetic. Metallic materials may be attracted to the headset, and persons with a hearing aid or a pacemaker should not hold the headset to the ear with the hearing aid or close to the pacemaker. Always secure the ear piece in its holder, because materials may be attracted by the earpiece. Do not place credit cards or other magnetic storage media near the headset, because information stored on them may be erased.

**Power key (1):** Switches the headset on and off. You can also mute or unmute the ongoing call by pressing the power key briefly.

**Answer/end key (2):** 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 compatible phone.

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

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

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

**Earphone (6):** Relays the caller's voice.

**Microphone (7):** Picks up your voice.

**Charger connector (8)**

**Battery cover (9)**

Before you can start using the headset, you must:

- Install and charge the battery
- Pair a compatible phone with the headset

## Getting started

### Chargers and batteries

Check the model number of any charger before using it with this device. The Wireless Clip-on Headset HS-21W is intended for use with the following chargers: AC-1, ACP-12, and LCH-12.



**Warning:** Use only batteries and chargers approved by Nokia for use with this particular enhancement. The use of any other types may invalidate any approval or warranty, and may be dangerous.

For availability of approved enhancements, please check with your dealer. When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

### Removing and installing the battery



**Note:** Before changing the cover, always switch off the power and disconnect the device from the charger. Always store and use the device with the covers attached.

The headset has a rechargeable LiPo battery.

- Open the battery cover by gently pushing the release button and sliding the battery cover backwards, see Figure 2.1.
- Remove the battery, see Figure 2.2.
- Detach the connector from its space and detach the battery from the connector, see Figure 2.3.
- Replace the battery. Place the connector in the space reserved for it and set the battery in place, see Figure 2.4.
- Close the battery cover, see Figure 2.5.
- Make sure that the cover is properly locked in place, see Figure 2.6.

### Charging the battery

1. Connect the charger cable to the headset as shown in Figure 3.
2. Connect the charger to a wall outlet. The red indicator light is displayed during charging. If the battery is completely discharged, it may take a few minutes before the red indicator is shown. Charging the battery fully may take up to 2 hours depending on the charger.

Getting started

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

**When the battery charge falls low**

The fully charged battery has power for up to 7 hours of talk-time or up to 180 hours of standby time. (In the standby mode, the headset is switched on but no call is in progress.)

When the battery is running out of power, the headset beeps and the red indicator light starts to blink. Charge the battery as described above.

**■ 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 fast. The blinking continues slower after the headset is connected to your phone.

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

**■ Pairing the headset with a compatible phone**

1. Make sure that your phone is switched on.
2. Switch on the headset.
3. Enter the Bluetooth menu of your phone 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.
5. Select the headset from the list.
6. Enter the passcode 0000 to associate ("pair") and connect the headset to your phone.

Once you have entered the passcode, 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 11.



### Getting started

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 10).

### Disconnecting the headset from the phone

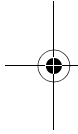
You can disconnect the headset from your phone when, for example, you want to use another Bluetooth device with your phone.

The headset can be disconnected in the following ways:

- Switch off the headset.
- Disconnect the headset in the Bluetooth menu of your phone.
- Move the headset more than 10 meters away from the phone.

The headset is also disconnected if its battery becomes discharged.

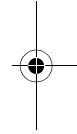
Note that you do not need to delete the pairing with the headset to disconnect it. When you reconnect a paired headset, you are not asked for its passcode.



### Connecting the paired headset to your phone

To connect the headset to your phone, switch on the headset, make the connection in the Bluetooth menu of your phone, or press and hold **answer/end** key.

You can set your phone to accept Bluetooth connection requests from your paired headset. In this case, the headset can connect to your phone automatically when it is switched on. In Nokia phones this can be done by changing your paired devices settings in the Bluetooth menu.



### ■ Troubleshooting

If you cannot connect the headset to your phone, do 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.



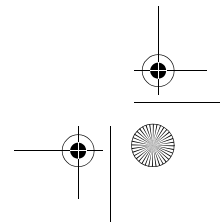
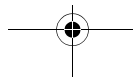
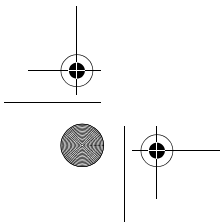
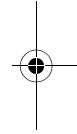
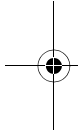




### Getting started



- Check that the headset is within 10 metres of your phone and that there are no obstructions between the headset and the phone, such as walls or other electronic devices.
- The pairing information list of the headset may be full. The headset can store the information of up to eight phones at a time. If the list becomes full, reset the headset to the original settings (see page 12).
- If the headset does not automatically reconnect to the default or last used phone, press and hold the **answer/end** key for 2 second.



Using the headset

### 3. Using the headset

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**Note:** The use of wireless devices may be restricted in some situations. Observe any restrictions, and obey all signs and instructions concerning use of wireless devices.

#### ■ Using the headset

Carry the headset by attaching it to your clothing as shown in Figure 4, or wear it around your neck using the neck strap as shown in Figure 5. When you do not use the headset, you can wind the earphone wire around the headset as shown in Figure 6.

#### ■ Making a call

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

#### ■ Redialling the last dialled number

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

#### ■ Voice dialling

This function is only available if your phone supports voice dialling. When no call is in progress, press and hold the **answer/end** key for 2 seconds, and proceed as described in the user guide of your phone.

#### ■ Answering and ending a call

Press the **answer/end** key to answer the call or to end the currently active call.

You can also answer or 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.

## Using the headset

### ■ 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 for 2 seconds.

### ■ Muting an ongoing call

You can mute or unmute the ongoing call by pressing the **power** key briefly.

### ■ Switching the call between phone and headset

You can switch the active call between the headset and a compatible Nokia phone.

To switch the call from the headset to a phone and vice versa, press and hold the **answer/end** key for 2 seconds, or use the respective function in your phone.

### ■ Using the headset with several phones

The headset can be paired with up to eight phones but connected to only one phone at a time.

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" (for example, when 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.



### Using the headset

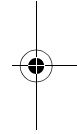
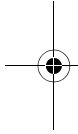


If you want to use the headset with a paired phone that is not a "default phone" or "last used phone", make the connection in the Bluetooth menu of your phone.

### ■ Resetting the headset

You can reset the headset to its original settings, for example, to 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 and the **volume up** key for 10 seconds. After the headset has been reset, it beeps twice, and the red and the green indicator lights alternate for several seconds.



## 4. Battery information

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

### ■ Charging and discharging

Your device is powered by a rechargeable battery. The full performance of a new battery 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 talk and standby times are noticeably shorter than normal, buy a new battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time. Temperature extremes can affect the ability of your battery to charge.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the device in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire! Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.



Care and maintenance



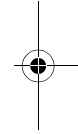
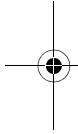
## Care and maintenance

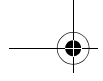
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Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage.

- Keep all accessories and enhancements out of the reach of small children.
- Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.

All of the above suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility.





FCC Notice—Nokia Wireless Clip-on Headset HS-21W



## FCC Notice—Nokia Wireless Clip-on Headset HS-21W

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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: FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. NOTE: Modifications not expressly approved by Nokia could void the user's authority to operate the equipment.

