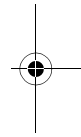
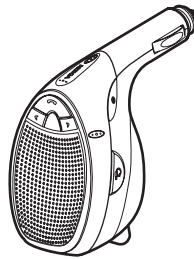
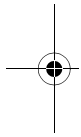
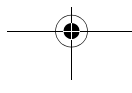




User Guide for the Nokia Wireless Plug-in Car Handsfree (HF-6W)



Part Number
Issue 1



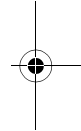
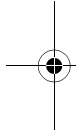


DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the product HF-6W 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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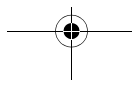
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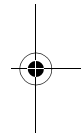
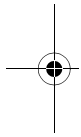




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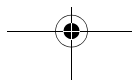
The availability of particular products may vary by region. Please check with the Nokia dealer nearest to you.



Export Controls

This device may contain commodities, technology or software subject to export laws and regulations from the US and other countries. Diversion contrary to law is prohibited.

Part number/Issue 1 EN



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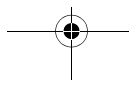
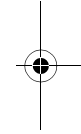
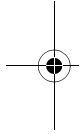
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For your safety

For your safety

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.



ROAD SAFETY COMES FIRST
Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.



INTERFERENCE
All wireless devices may be susceptible to interference, which could affect performance.



CONNECTING TO OTHER DEVICES
When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.



QUALIFIED SERVICE
Only qualified personnel may repair this device.

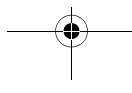
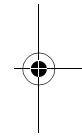
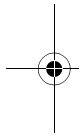


1. Introduction

The Nokia Wireless Plug-in Car Handsfree (HF-6W) is an easy fit handsfree product, which is based on Bluetooth wireless technology.

You can use the handsfree to answer, end and reject a call, and to charge a compatible Nokia mobile phone. In addition, you can use voice dialling, redial a number, switch calls between the handsfree and a compatible phone, or mute and unmute active calls.

Read this user guide carefully before using the handsfree. Check also <http://www.nokia.com/support> or your local Nokia Web site for the latest version of this guide, additional information, downloads, and services related to your Nokia product.



Get started

2. Get started

Before you can start using the handsfree, you must:

- Install the handsfree in the car.
- Pair a compatible phone with the handsfree.

■ Handsfree parts

The handsfree contains the following parts:

- 1 - **Power key:** Switches the handsfree on and off, or mutes the ongoing call.
- 2 - **Answer/end key:** Answers or ends the call. Can also be used for voice dialling, redialling and switching an active call between the handsfree and the phone.
- 3 - **Volume up key:** Increases the handsfree volume.
- 4 - **Volume down key:** Decreases the handsfree volume.
- 5 - **Cable release key:** Rewinds the charger cable.

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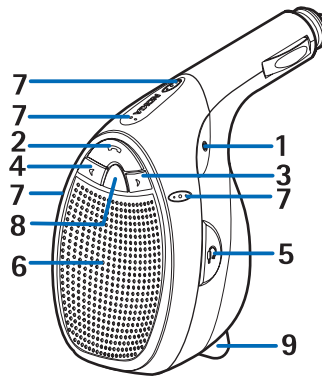
Get started

6 - Speaker: Relays the caller's voice.

7 - Microphones: Pick up your voice.

8 - Indicator lights: Display the current status of the handsfree. Red or green indicates the status of a call, or indicates that the handsfree is being reset. Blue indicates that the Bluetooth connection is active.

9 - Charger cable



Get started

■ Install the handsfree in the car

To be able to function properly the handsfree needs to be connected to the cigarette lighter socket of a car, and there needs to be power generated by the car battery.

Insert the handsfree into the cigarette lighter socket of your car. Make sure that the handsfree is properly locked in place, and does not interfere with the normal operation of the car.

Note also that in some car models the cigarette lighter socket is powered by the car battery even when the car is not running. In those cases the car battery might be discharged if the handsfree is left on, or if the handsfree is turned off but connected to the cigarette lighter socket for a long time. Contact the vehicle manufacturer for further detailed information about the vehicle in question.



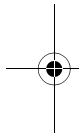
Get started



■ Switch the handsfree on and off

To switch on: press the power key. The handsfree beeps, and the green indicator light is displayed briefly. When you switch the handsfree on for the first time, a welcome tone is played.

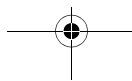
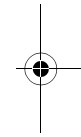
To switch off: press the power key when no call is in progress. The handsfree beeps, and the red indicator light is displayed briefly.



■ Connect with Bluetooth wireless technology

The handsfree is specially designed for compatible Nokia phones that support Bluetooth wireless technology. You can, however, use the handsfree with any compatible Bluetooth device that supports the Bluetooth Handsfree profile.

Refer to the user guide of your phone for a more detailed description of Bluetooth wireless technology.





Get started



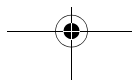
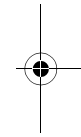
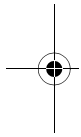
Bluetooth connection passcode

You need a Bluetooth passcode for pairing the handsfree with a compatible phone using Bluetooth connectivity. The passcode is 0000.

Pair the handsfree with a compatible phone

Before you can use the handsfree, you must pair it with a compatible phone.

1. Make sure that the compatible phone is switched on.
2. Make sure that the handsfree is installed properly, and switch it on by pressing the power key.
3. Enter the Bluetooth menu of your phone and activate the Bluetooth feature. For more information, see the user guide of your phone.
4. Set the phone to search for Bluetooth devices as instructed in the user guide of the phone.



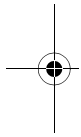


Get started

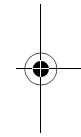


5. Select the handsfree (Nokia HF-6W) from the list.
6. Enter the Bluetooth passcode 0000 to pair the handsfree with the phone.

Once you have entered the passcode, the phone becomes the default phone for the handsfree, if the handsfree has not been previously paired with another phone. See also Use the handsfree with several paired phones on page 20.



The handsfree beeps once and an active Bluetooth connection is displayed by a continuous blue indicator light.

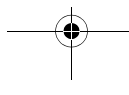


7. Start using the handsfree (see page 16).

Disconnect the handsfree from the phone

To disconnect the handsfree, do one of the following:

- Disconnect the handsfree in the phone's Bluetooth menu.

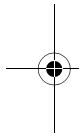




Get started

- Switch off the handsfree.

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

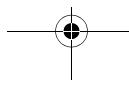
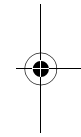


Reconnect the handsfree to the phone

To reconnect the handsfree to the default phone or the last used phone, switch on the handsfree. Otherwise, make the connection in the phone's Bluetooth menu as instructed in the user guide of the phone.

Note that switching on the handsfree creates the connection automatically only if you have set the phone to accept Bluetooth connection requests without your permission. In Nokia phones this can be done by changing your paired devices settings in the Bluetooth menu.

If the handsfree does not automatically reconnect to the default of the last used phone, press and hold the





Get started

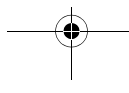
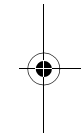
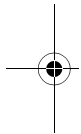


answer/end key, and the handsfree starts paging for the phones.

Troubleshooting

If you cannot connect the handsfree to the compatible phone, proceed as follows:

- Make sure that the Bluetooth feature is activated on the compatible phone.
- Make sure that the handsfree is properly installed, switched on and paired with the compatible phone. Check also that there is power generated by the car battery.
- If you use several Bluetooth devices, make sure you ended the previous Bluetooth connection from the phone.
- Check that the handsfree is within 10 meters of the phone and that there are no obstructions or electronic devices between the two.





Basic use

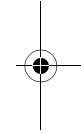
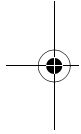


3. Basic use

■ Call functions

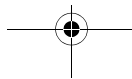
When the handsfree is connected to the phone, you can make a call in three different ways. Note that the call functions depend on the phone that you use.

- To make a new call, use your phone in the normal way.
- To redial the last dialed number, press the answer/end key twice.
- To activate voice dialling, press the answer/end key for more than one second.



Answer and end a call

When you receive a call, you hear a ringing tone through the handsfree. Note, however, that if the incoming call alert setting in your phone is off, no ringing tone is played through the handsfree.





Basic use

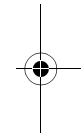
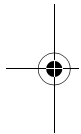


To answer a call, or to end the currently active call, press the **answer/end** key.

You can also answer or end the call using the phone.

Automatic answer

If, on the phone, the Automatic answer function is set to on, the phone automatically answers the incoming call after a defined time period, and forwards it to the handsfree.

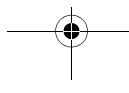


Reject a call

When you receive an incoming call that you do not want to answer, briefly press the **answer/end** key twice.

Mute an ongoing call

To mute or unmute the ongoing call, press the **power** key briefly.





Basic use

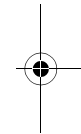
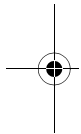


When the mute is on, the red indicator light is shown continuously.

Multiple calls

You cannot handle multiple calls through the handsfree. To make multiple calls, use the keypad of the phone.

The only way to answer a waiting call from the handsfree is to first end the active call, and then to answer the second call.

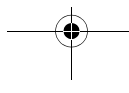


■ Adjust the handsfree volume

To adjust the handsfree volume, use the volume keys on the handsfree, or the keypad of your phone.

Note that the volume level is saved separately for each paired phone in the handsfree.

The volume display is shown in the phone, and different tones are played when you adjust the volume. When there is no call, a tone for each volume step is played.





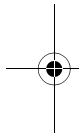
Basic use



When there is an ongoing call, a tone is only played when the volume reaches its minimum or maximum level.

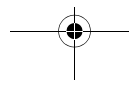
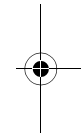
■ Switch the call between handsfree and phone

To switch the active call from the handsfree to the phone and vice versa, press the answer/end key for more than one second.



■ Charge a compatible phone battery

You can charge the batteries of compatible Nokia phones while using the handsfree. Pull out the charger cable and connect it to the phone. When the battery is fully charged, disconnect the phone from the charger cable, and retract the cable by pressing the cable release key.





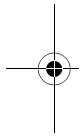
Basic use



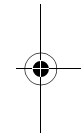
■ Use the handsfree with several paired phones

The handsfree can be paired with up to 8 compatible phones but connected to only one phone at a time.

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

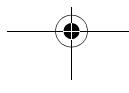


If the handsfree is switched on within 10 metres of several paired phones, the handsfree will try to connect to the "default phone" within a few seconds.



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

If the handsfree cannot connect to either of these phones, it remains discoverable for other phones.





Basic use



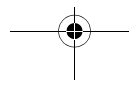
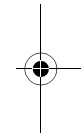
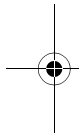
If you want to use the handsfree with a paired phone that is not the "default phone" or the "last used phone", make the connection in the phone's Bluetooth menu.

Reset the handsfree

Resetting the handsfree clears all of its settings, including pairing information. To reset the handsfree:

1. Switch off the handsfree.
2. Press and hold the **power key** and the **volume up key** simultaneously for 10 seconds. During resetting, the green and red indicator lights blink alternately.

After the handsfree has been reset, it beeps twice.



Care and maintenance

Care and maintenance

Your Nokia Wireless Plug-in Car Handsfree is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect any warranty coverage:

- Keep the handsfree dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the handsfree in dusty, dirty areas. Its moving parts, electronic components, and microphones can be damaged.
- Do not store the handsfree in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the handsfree 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 handsfree.

Additional safety information

- Do not drop, knock or shake the handsfree. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the handsfree.
- Do not paint the handsfree. Paint can clog the moving parts, microphones or the speaker, and prevent proper operation.

If the handfree is not working properly, take it to your nearest authorised service facility for service.

Additional safety information

■ Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, air bag systems. For more information, check with the manufacturer or its

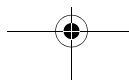
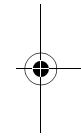
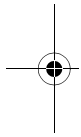


Additional safety information



representative of your vehicle or any equipment that has been added.

Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.



Federal Communication Commission Interference Statement

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 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.

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Wireless Interface	
Standards	Bluetooth 1.2
Frequency	2.402 to 2.480GHz
Channels Maximum	78 Channels
Modulation	GFSK
Data Rate	1Mbps
Coverage Area	10m (Max.)
Transmit Power	0dBm
Receiver Sensitivity	- 70dBm

