

# Nokia Display Car Kit CK-600

## Quick Guide and Safety

## Information

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## DECLARATION OF CONFORMITY

Hereby, NOKIA CORPORATION declares that this HF-23 product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The product is in conformity with the limits defined in Directive 2004/104/EC (amending Directive 72/245/EEC), Annex I, paragraph 6.5, 6.6, 6.8 and 6.9. 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/).

# CE 0560

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### 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.

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## For your safety

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

This product may contain small parts. Keep them out of the reach of small children.

**SWITCH ON SAFELY**

Do not switch the device on when wireless phone use is prohibited or when it may cause interference or danger.

**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.

**SWITCH OFF IN RESTRICTED AREAS**

Follow any restrictions. Switch the device off near fuel, chemicals, or blasting areas.

**QUALIFIED SERVICE**

Only qualified personnel may install or repair this product.

**ACCESSORIES**

Use only approved accessories. Do not connect incompatible products.

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

# 1. Quick start

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Thank you for choosing the Nokia Display Car Kit CK-600. With the car kit, you can conveniently make and receive calls hands-free and listen to music from your compatible device through your car stereo system.

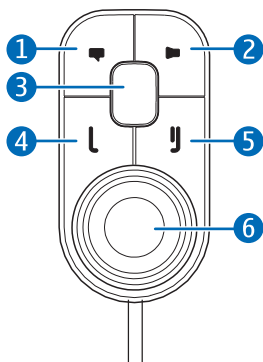
This chapter describes the basic features of the car kit. Read carefully the complete user and installation guide on the CD-ROM that is supplied with the car kit.

## ■ Set up


1. Have the car kit installed by a qualified service technician using the original Nokia parts supplied in the sales package. For instructions, see the user and installation guide.
2. Switch on the car kit and your mobile phone or music player.
3. When you are prompted to select a language for the texts on the car kit display, turn the Navi™ wheel to scroll to the desired language, and press the wheel.
4. Activate the Bluetooth feature on your phone or music player, and set up a Bluetooth connection between the car kit and your device.
5. When you are prompted to copy the contacts from your device to the car kit, turn the Navi wheel to scroll to **Yes**, and press the wheel to start the copying. If you select **No**, you cannot use your saved contacts to make calls with the car kit.

## Input device


When you use the input device to operate the music player connected to the car kit, the available music player functions are shown on the car kit display.





### 1. Voice dialling key

Press  to activate voice dialling on a compatible mobile phone when no call is in progress.

### 2. Mute key

Press  to mute or unmute the external loudspeaker in the standby mode.

Press  to mute or unmute the microphone during a call.




Press and hold  for about 2 seconds to switch a call from the car kit to the compatible device connected to it.

### 3. Mode key


Press the mode key to switch between the standby mode and the music player menu.





In the music player menu, press the mode key to start, pause, or resume music playback on the compatible music player connected to the car kit.

### 4. Call key

- Press  to make or answer a call or to switch between an active call and a call on hold.
- Press  to view the list of last dialled numbers in the standby mode.
- Press  twice to redial the last dialled number in the standby mode.

### 5. End key

- Press  to end or reject a call.

- Press  to delete a single character when you write text or numbers.
  - Press  to return to the previous menu level or display view.
  - Press and hold  to return to the standby mode from the menu functions.
  - Press and hold  to switch the car kit on or off (if the car kit is not connected to the ignition system).
6. Navi wheel (hereafter referred to as wheel)
- Turn the wheel left or right to adjust the volume during a call or while listening to music, or to scroll through menu items.
  - Turn the wheel left in the standby mode to enter a phone number or to use speed dialling.
  - Turn the wheel right in the standby mode to search for a contact in [Contacts](#).
  - Press the wheel to perform the function shown at the bottom of the display.

## 2. Car kit installation

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For instructions on installing the car kit parts in a vehicle, refer to the user and installation guide. Observe the following safety guidelines when installing the car kit.

- Only a qualified service technician should install or service the car kit using the approved original Nokia parts supplied in the sales package. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the car kit.

End users should remember that the car kit comprises of complex technical equipment that requires professional installation using special tools and expert know-how.

- Instructions given in this guide are general guidelines that apply to the installation of the car kit in an automobile. However, due to the wide variety of car types and models available on the market, this guide cannot consider the individual technical requirements relevant for any particular vehicle. Contact the vehicle manufacturer for detailed information about the vehicle in question.
- The car kit is suitable for use only in a vehicle with a 12-V, negative grounding. Use on other supply voltages or alternative polarity will damage the equipment.
- Remember that modern automotive systems include onboard computers where key vehicle parameters are stored. Improper disconnection of the car battery may cause loss of data, necessitating extensive effort for reinitialisation of the system. If you have any concerns, contact your car dealer before any installation work is done.
- Do not wire the car kit equipment to the high-voltage lines of the ignition system.
- When installing the parts of the car kit, ensure that none of them interfere with or hinder the steering or braking systems or other controls or systems used in the operation of the vehicle (for example, airbags). Ensure that the car kit and any of its components are not

installed where you might come in contact with it in the event of an accident or collision.

If the display of a mobile device is to be used, ensure that the device is mounted in a holder and that the device display is clearly visible to the user.

- Your service technician or dealer may be able to provide you with information on alternatives for mounting the equipment suitably in your vehicle without requiring bore holes.
- Do not smoke when working on the car. Ensure that there is no source of fire or flame nearby.
- Take care not to cause damage to electrical cables, fuel or brake lines, or safety equipment during installation work.
- 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, and airbag systems. If you notice a fault or change in the operation of such a system, contact your car dealer.
- Ensure that cables are placed so that they will not be subject to mechanical wear and tear (for example, not laid under car seats or over sharp edges).

### ■ Integration with a car radio system

The car kit can be connected to a car radio system in three different ways. Select the appropriate option according to the parts supplied in the sales package.

For information about the connectors on the hands-free unit HF-23, see the user and installation guide.

You can connect the car kit to a loudspeaker with an impedance of at least 2 ohms. The optimal impedance for the car kit is 4 ohms. If the impedance is over 8 ohms, the output power is significantly lower than normal.



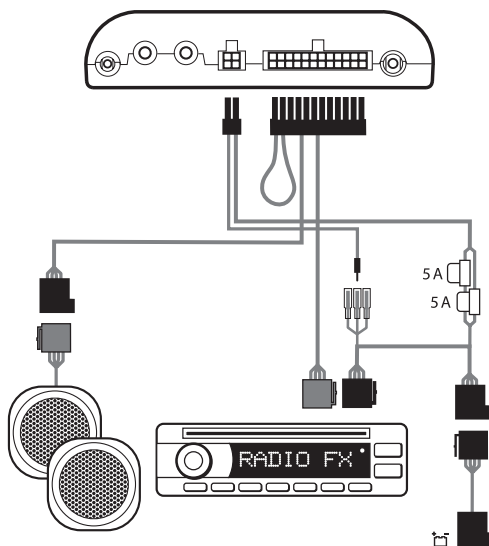
## Use the ISO cable CA-152

When you connect the car kit to the car radio system with the ISO cable CA-152, you can select if the car kit amplifier is used for calls and the car radio amplifier is used for music, or if the car kit amplifier is used for both.

### **Use the car kit amplifier for calls and music**

In this setup, the car radio is muted when you make or receive a call or listen to music from a connected device that supports the A2DP Bluetooth profile.

The built-in amplifier of the car kit is used for calls and music played on the A2DP device.



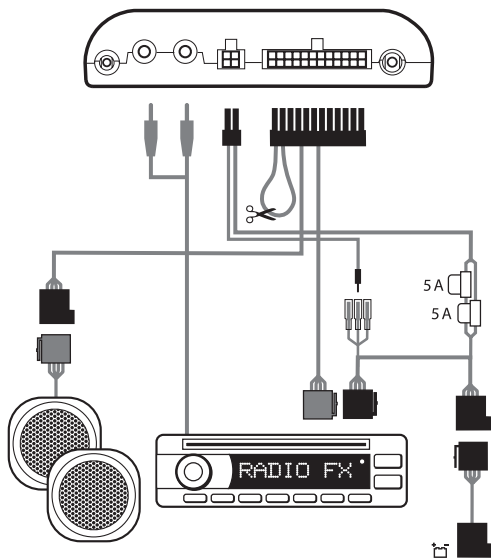
1. To connect the ISO cable to the car radio:
  - Unplug the appropriate cables from the car radio, and insert the ISO cable plug instead. Connect the open ends of the cables to the car radio speakers.

- Connect one of the wires labelled Mute 1, Mute 2, or Mute 3 on the car radio to the ISO cable. Leave the other mute wires connected as they are.
  - Insert the power cable plug of the ISO cable to the respective connector on the hands-free unit.
  - Check the +12-V power pin and the ignition pin on the car radio and the respective pins of the ISO cable. If necessary, swap the pins on the fuses of the ISO cable. Plug the ISO cable to the two open ISO connectors.
2. Plug the ISO cable to the respective connector on the hands-free unit.
  3. Connect the external input device CU-10 and the microphone MP-2 to the respective connectors on the hands-free unit.
  4. To charge a compatible Nokia mobile phone through the car kit, connect one end of the supplied charging cable CA-134 to the hands-free unit and the other end to the 2.0 mm (0.08 inch) charging connector of the phone.
  5. Switch on the car kit, press the wheel in the standby mode, and select [Settings](#) > [Audio](#) > [Music output](#) > [System connector](#).

### Use the car kit amplifier for calls and the car radio amplifier for music

In this setup, the car radio is muted when you make or receive a call.

The amplifier and equaliser of your car radio are used for music played on a connected device that supports the A2DP profile. The built-in amplifier of the car kit is used for calls.



1. To connect the ISO cable to the car radio:
  - Unplug the appropriate cables from the car radio, and insert the ISO cable plug instead. Connect the open ends of the cables to the car radio speakers.
  - Connect one of the wires labelled Mute 1, Mute 2, or Mute 3 on the car radio to the ISO cable. Leave the other mute wires connected as they are.
  - Insert the power cable plug of the ISO cable to the respective connector on the hands-free unit.
  - Check the +12-V power pin and the ignition pin on the car radio and the respective pins of the ISO cable. If necessary, swap the

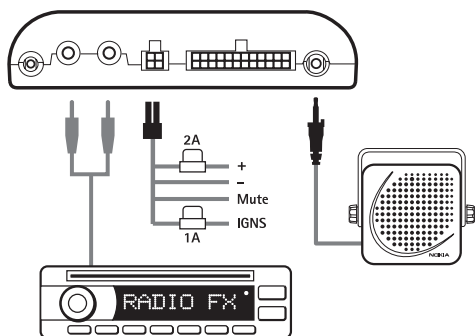
pins on the fuses of the ISO cable. Plug the ISO cable to the two open ISO connectors.

2. Plug the ISO cable to the respective connector on the hands-free unit.
3. Cut the loop indicated with scissors in the figure.
4. Connect the stereo outputs of the hands-free unit to the AUX input of the car radio. Use an appropriate cable specific to your car radio (this cable is not supplied with the car kit).
5. Connect the external input device CU-10 and the microphone MP-2 to the respective connectors on the hands-free unit.
6. To charge a compatible Nokia mobile phone through the car kit, connect one end of the supplied charging cable CA-134 to the hands-free unit and the other end to the 2.0 mm (0.08 inch) charging connector of the phone.
7. Switch on the car kit, press the wheel in the standby mode, and select *Settings > Audio > Music output > Automatic detection*.

### Use the power cable CA-153P

In this setup, the car radio is muted when you make or receive a call.

The loudspeaker SP-3 is used for calls, and the amplifier and equaliser of your car radio are used for music played on a connected device that supports the A2DP Bluetooth profile.



1. Connect the respective wires of the power cable CA-153P to the car battery and ignition sense (if available). Connect the car radio mute wire (if available) to the car radio.
2. Plug the power cable to the respective connector on the hands-free unit.
3. Connect the loudspeaker SP-3 to the respective connector on the hands-free unit.
4. Connect the stereo outputs of the hands-free unit to the AUX input of the car radio. Use an appropriate cable specific to your car radio (this cable is not supplied with the car kit).
5. Connect the external input device CU-10 and the microphone MP-2 to the respective connectors on the hands-free unit.
6. To charge a compatible Nokia mobile phone through the car kit, connect one end of the supplied charging cable CA-134 to the hands-free unit and the other end to the 2.0 mm (0.08 inch) charging connector of the phone.
7. Switch on the car kit, press the wheel in the standby mode, and select [Settings](#) > [Audio](#) > [Music output](#) > [Automatic detection](#). Alternatively, if the music is to be played back through an external

loudspeaker (such as the SP-3), select *Mono speaker* instead of *Automatic detection*.

Do not use the internal amplifier of the hands-free unit to drive external loudspeakers to play back music. If you need to replace a fuse on the CA-153P cable, only use a fuse with a rating of 2 A or less.

## Care and maintenance

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

- Keep the car kit dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the car kit in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not attempt to open the car kit.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the car kit parts.
- Do not paint the car kit parts. Paint can clog the moving parts and prevent proper operation.

If the car kit is not working properly, take the defective part to your nearest authorised service facility for service.

## Additional safety information

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### ■ 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, and air bag systems. For more information, check with the manufacturer or its 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 accessories. 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.