Contents

FCC Statement
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.
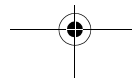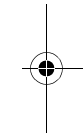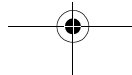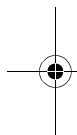
English

Sony Ericsson HCB-30

First edition (June 2002)
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Contact your network operator or service provider if you are in doubt whether you can use a particular service or not.

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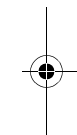
Introduction

The *Bluetooth*™ Car Handsfree HCB-30 is based on *Bluetooth* wireless technology.

See "Safe and efficient use" on page 12 and "Limited Warranty" on page 14 before using your car handsfree.

What is *Bluetooth* wireless technology?

The *Bluetooth* wireless technology makes it possible to connect any compatible portable and stationary communications device within a range of 10 m (30 ft) without using cables. The technology is based on a radio link that offers fast and reliable transmission of voice and data information. It does not require a line-of-sight connection in order to establish communication. *Bluetooth* wireless technology uses a globally available frequency range intended to ensure communication compatibility worldwide.

How can I use my car handsfree?

When you turn the ignition key of your car, the *Bluetooth* car handsfree is switched on automatically. The phone can be left in your coat pocket or bag while you make and answer calls via the *Bluetooth* car handsfree control panel. The car stereo is muted when you receive a call, and you hear the caller in a separate loudspeaker.

What products can I use with my car handsfree?

With the *Bluetooth* Car Handsfree HCB-30, you can use a Sony Ericsson or Ericsson phone with built-in *Bluetooth* capability, or with a *Bluetooth* phone adapter. You can use products that support the *Bluetooth* Headset profile or the *Bluetooth* Handsfree profile.

To enhance your experience of the *Bluetooth* Car Handsfree HCB-30, we recommend that you also buy an advanced music mute and a gooseneck microphone.

- Advanced Music Mute - for enhanced sound experience in the car. You hear the caller in the car stereo loudspeakers instead of in the separate loudspeaker.
- Gooseneck Microphone HCE-14 – for enhanced sound experience for the person you are talking to.

You can, for example, also use the following accessories with your phone and *Bluetooth* Car Handsfree HCB-30:
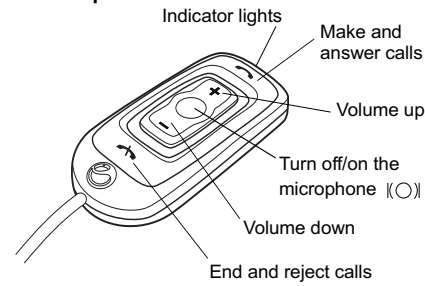
- Cigarette Lighter Adapter CLA-11 – for charging of the phone in the car.
- Antenna Cable Connector HCE-12 – together with a car holder for better network reception.
- Car Holder, for example, HCH-28 – together with an antenna cable connector for better network reception.

Preparing the car handsfree

To be able to use the car handsfree together with a mobile phone, you need to have a phone with built-in *Bluetooth* capability, or a phone with a *Bluetooth* adapter connected to it.

You use the keys of the control panel to handle calls.

Control panel overview

Indicator lights

Make and answer calls

Volume up

Turn off/on the microphone ▌○▐

Volume down

End and reject calls

Indicator lights

The indicator light...

is green	Network coverage and ongoing *Bluetooth* connection.
is red	No network coverage and ongoing *Bluetooth* connection.
flashes green slowly	Ongoing call.
flashes green and red	Pairing mode.
flashes red	Creating a *Bluetooth* connection.
is off	No ongoing *Bluetooth* connection.

Instructions

Instructions in this User's Guide are based on car handsfree keys and phone keys. For example, the 🖅 key or the **YES** key on the phone can be used to answer a call.

Getting Started

Before you start using the car handsfree with a phone for the first time, you need to:

• Have the car handsfree kit installed in the car.

Please refer to the *Installation Guide*.
Note: *Please note that the car handsfree should be installed by authorised personnel. Check with your car dealer for recommendations on professional installation engineers.*

• Pair the car handsfree with your mobile phone. See "Pairing the car handsfree" on page 6.

To turn the car handsfree on

• Turn the ignition key to on, or press and hold 🖅 until you hear a short low tone followed by a short high tone. The backlight of the control panel is blue. The car handsfree is on.

Note: *The first time the car handsfree is turned on, and whenever no devices are paired with the car handsfree, it will automatically be ready for pairing.*

To turn the car handsfree off

• Turn the ignition key to off.
The car handsfree is automatically turned off one hour after the ignition is turned off. This way, an ongoing call is not interrupted when the ignition is turned off. The backlight of the control panel switches off. The car handsfree is off.

- You can also turn the car handsfree off by pressing and holding 🔲 until you hear a short high tone followed by a short low tone.

Pairing the car handsfree
Before you can use your car handsfree, you must pair it with your mobile phone. You pair the car handsfree with the phone by adding the car handsfree to a list of paired devices in the phone. They then recognize each other when they connect.

To pair the car handsfree with a Sony Ericsson or Ericsson phone
1. Turn on the car handsfree.
2. If the indicator light is green or red, the car handsfree is connected to a *Bluetooth* device. To disconnect the devices, press 🔲 until you hear a tone. The indicator light is turned off.
3. Press and hold 🔲 and 🔲 at the same time until you hear a long high tone and the indicator lights on the control panel flash green and red.
4. In the phone, scroll to *Extras* or *Connect*, **YES**, *Bluetooth*, **YES**, *Paired devices*, **YES**, *Add device*, **YES**, *Phone initiates*, **YES**.

5. A list of device types that you can pair with your phone appears. Scroll to *Headset* or *Handsfree* and press **YES**.
6. *HCB-30* appears in the display. Press **YES**.
7. Enter the car handsfree passkey (0000) and press **YES**. The phone pairing procedure starts.
8. You may now replace the given car handsfree name with a name of your choice and then press **YES**. When pairing has been completed, the indicator light on top of the control panel stops flashing.

To pair the car handsfree (general instructions)
1. Turn on the car handsfree.
2. Prepare your phone according to the phone's user documentation on pairing.
3. If the indicator light is green or red, the car handsfree is connected to a *Bluetooth* device. To disconnect the devices, press 🔲 until you hear a tone. The indicator light is turned off.
4. Press and hold 🔲 and 🔲 at the same time until you hear a long high tone and the indicator lights on the control panel flash green and red.
5. Continue according to the instructions in the phone's user documentation. The car handsfree passkey is 0000.

Resetting the car handsfree

You may want to reset the car handsfree to its default settings. This also clears all current pairings.

To reset the car handsfree
1. Turn on the car handsfree.
2. If the indicator light is green or red, the car handsfree is connected to a *Bluetooth* device. To disconnect the devices, press ⌊⌂⌋ until you hear a tone. The indicator light is turned off.
3. Press ⌐⌐⌐ and ⌊⌂⌋ at the same time until you hear a long high tone.
4. Press ⌐⌐⌐ and ⌊⌂⌋ at the same time until you hear a long low tone.
   The car handsfree has now been reset and all current pairings in your car handsfree have been cleared.

Using the car handsfree

Once you have paired the car handsfree with your phone, you can make and receive calls using the control panel of the car handsfree, as long as it is turned on and within range of the phone, with no solid objects in between.

The following instructions cover the use of the car handsfree with a Sony Ericsson or Ericsson phone with built-in *Bluetooth* capability, or with a *Bluetooth* phone adapter from Sony Ericsson or Ericsson. If you have another make of mobile phone, please refer to the phone's user documentation.

Note: *Always make sure the Bluetooth operation mode in the phone is on when using a Bluetooth car handsfree.*

Making calls

Phone functionality is still available when the car handsfree is connected. You can make a call using the phone keys or using the control panel of the car handsfree. To make a call using the control panel, you use the voice dialling function.

Note: *Before voice dialling, you must turn on the voice dialling function and record voice commands in your phone. Please refer to the phone's user documentation.*

To make a call using voice dialling
1. Make sure the phone and the car handsfree are on and within range of each other. Press and hold ⌐⌐. You hear a tone.
2. After the highest tone (second or third tone), voice dial as you normally would.
3. End the call by pressing ⌐⌐ . For some phones, press ⌐⌐.
   You can also make a call using the phone's keypad or phone book (if, for example, your phone does not support voice dialling).

Note: *The number of tones that you hear when voice dialling is dependent on the type of phone. With some phones, you may only hear one tone. Say your voice command after the tone.*

Answering calls
When you receive a call, the car stereo is muted automatically. You can answer the call using ⌐⌐,

using voice answer commands, or using automatic answering mode.

Note: *For information about voice answering and automatic answering mode, please refer to the phone's user documentation.*

To answer a call
• When the car handsfree rings, press ⌐⌐.

To end a call
• Press ⌐⌐ .
  Note: *For some phones, press* ⌐⌐.

To reject a call
• When the car handsfree rings, press ⌐⌐ .
  Note: *This is dependent on the type of phone.*

To turn off the microphone
• During a call, press ‖◯‖ to turn off the microphone. You hear a tone when the microphone has been turned off.
• Press ‖◯‖ again to resume the conversation.

Adjusting the speaker volume

You can adjust the car handsfree speaker volume during a call. You hear a tone when you reach the maximum and minimum volume levels.

To adjust the speaker volume

• To increase the volume, press ☐+☐ during a call.
• To decrease the volume, press ☐−☐ during a call.

Adjusting the ring volume

You can adjust the car handsfree ring volume when you are not engaged in a call.

To adjust the ring volume

• To increase the ring volume, press ☐+☐.
• To decrease the ring volume, press ☐−☐.

Transferring sound to car handsfree

If you make a call without using the car handsfree, you can, with some phones, transfer the sound from the phone to the car handsfree if the car handsfree is on, paired with the phone and within range.

To transfer the sound to the car handsfree

• During a call, press ‖○‖ on the car handsfree until you hear a tone. (This is dependent on the type of phone.)
• Or, in some phones, scroll to *Ongoing call*, **YES**, *Transfer sound*, **YES**. Select the car handsfree in the list, **YES**. You hear a short high tone when the sound has been transferred.

Transferring sound to phone

If you make a call using the car handsfree, but for some reason want to take the call in your mobile phone instead, you can transfer the sound from the car handsfree to the phone.

To transfer the sound to the phone

• During a call, scroll to *Ongoing call*, **YES**, *Transfer sound*, **YES**, (*To phone*, **YES**). You hear a short high tone when the sound has been transferred.
• Or, with some phones, press ‖○‖ on the car handsfree until you hear a tone.

Using headset and car handsfree

When you enter the car after using the *Bluetooth* headset, the car handsfree and phone usually connect automatically the moment you turn the ignition key to

Using the car handsfree   9

on. The phone connects to the device which is first in the list of paired devices. If the indicator lights of the car handsfree are off, move the car handsfree to first position of the list of paired devices in your phone.

To move the car handsfree to first position
1. Scroll to *Extras* or *Connect*, **YES**, *Bluetooth*, **YES**, *Paired devices*, **YES**.
2. Select the car handsfree, **YES**, *Set as first*, **YES**. With some phones, you can also select *Connect*, **YES**. You then connect to the car handsfree without changing the order of the devices in the list of paired devices.

Note: *If you have an ongoing call in your Bluetooth headset, and enter the car and wish to continue your conversation in the car handsfree, you must transfer the sound to the car handsfree. See "To transfer the sound to the car handsfree" on page 9.*

Switching between phones
You can pair the *Bluetooth* car handsfree with up to five mobile phones, but you can only use one phone at a time with the car handsfree. If you want to use one of the other phones that you have paired with your car handsfree, you need to enter pairing mode and select the car handsfree again.

To switch between phones
1. If the indicator light is green or red, the car handsfree is connected to a *Bluetooth* device. To disconnect the devices, press ⌷⌷ until you hear a tone. The indicator light is turned off.
2. Press and hold ⌷ and ⌷⌷ at the same time until you hear a long high tone and the indicator lights on the control panel flash green and red.
3. In the phone that you want to use with the car handsfree, scroll to *Extras* or *Connect*, **YES**, *Bluetooth*, **YES**, *Paired devices*, **YES**, *Add device*, **YES**, *Phone initiates*, **YES**.
4. A list of device types appears. Scroll to *Headset* or *Handsfree* and press **YES**.
5. *HCB-30* appears in the display. Press **YES**.

Troubleshooting

This section lists some problems that you might encounter while using your car handsfree.

Cannot pair the car handsfree with the phone
The *Bluetooth* function in your phone must be set to *Automatic* or *On*. Your phone should be inside the car during the pairing procedure. The car handsfree must be on (the backlight of the control panel is blue).

Cannot connect to the car handsfree
The car handsfree may be connected to another *Bluetooth* device. The indicator lights of the car handsfree are green or red when the car handsfree is connected to a *Bluetooth* device. To disconnect the devices, press ⟮🔽⟯ until you hear a tone. Then connect to the car handsfree by pressing ⟮🔼⟯.

Your phone may be connected to another *Bluetooth* device, such as a headset. Disconnect the other *Bluetooth* device. With some phones, you can also move the car handsfree to first position in the list of paired devices, or select *Connect*. See "Using headset and car handsfree" on page 9.

You may have paired your phone with another handsfree device. Some phones can only be paired with one handsfree device at a time. Please check in the phone's user documentation or with a Sony Ericsson service partner for supported *Bluetooth* profiles. Pair your phone with the car handsfree to make them connect.

No sound contact between car handsfree and phone
The car handsfree and the phone you are using with it have to be paired to recognize each other, and within range.

The indicator light is red
There is no mobile network within range. Move to get a signal that is strong enough, position your phone somewhere else in the car, or try searching for a new network in the *GSM Networks* menu of your phone.

If you often experience network problems, we recommend you to buy an external car antenna and a car holder. Check with your local retailer to see if your phone supports these accessories.

Connection interrupted

You hear a short low tone if the connection between the phone and the car handsfree is interrupted. Try connecting them again by pressing ⌂.

Retrieve call in phone?

If the question *Retrieve call in phone?* appears in the phone display every time you make a call from the phone, you have chosen the setting *Always ask* under *Extras* or *Connect*/*Bluetooth*/*Options*/*Headset sound* or *H-free sound*. This setting controls whether to take outgoing calls in the handsfree equipment or in the phone.

Some car handsfree functions do not work

If you notice that you cannot make use of all the features in the *Bluetooth* Car Handsfree HCB-30, please check in your user documentation whether your phone supports the function. You can also check with a Sony Ericsson service partner**.** For information about support and for User's Guides for Ericsson, Sony and Sony Ericsson mobile phones, see http://www.SonyEricsson.com.

Additional information

Safe and efficient use

Note: *Read this information before using your Bluetooth car handsfree.*

Changes or modifications to this *Bluetooth* car handsfree not expressly approved by Sony Ericsson may void the user's authority to operate the equipment.

Please check for any exceptions, due to national requirements or limitations, in usage of *Bluetooth* equipment before using this product.

Product care
- Do not expose your product to liquid or moisture or to humidity.
- Do not expose your product to extreme high or low temperatures.
- Do not expose your product to lit candles, cigarettes, or cigars, or to open flames etc.
- Do not drop, throw or try to bend the product as rough treatment could damage it.
- Do not use any other accessories than Sony Ericsson or Ericsson originals intended for use with this product. Use of non-original accessories may result in loss of performance, damage to the product, fire, electric shock or injury. The warranty does not cover product failures which have been caused by use of non-original accessories.
- Do not attempt to disassemble your product. The product does not contain consumer serviceable or replaceable components. Only Sony Ericsson service partners should perform service.
- Do not keep the product in an area prone to dust and dirt. Only use a soft damp cloth to clean your product.
- If you will not be using the product for a while, store it in a place that is dry, free from damp, dust and extreme temperatures.
- To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it.

Installation

Please note that only authorised personnel should install the *Bluetooth* car handsfree. Please check with your car dealer for recommendations on professional installation engineers. It is recommended that the *Bluetooth* car handsfree be installed under the dashboard of the car. The control panel of the *Bluetooth* car handsfree should be installed on the dashboard of the car, so that you can reach the keys from your normal driving position. Some car manufacturers require that you use an external antenna for your phone. Check with your car manufacturer's representative to be sure that all equipment for the *Bluetooth* car handsfree, including additional accessories, is placed in a safe location. If your car is equipped with an air bag, check that the handsfree equipment does not interfere with its function.

The *Bluetooth* car handsfree equipment is made for use in cars with a 12 volt electrical system. Other supply voltages may cause damage to the equipment.

Radio frequency exposure

Your *Bluetooth* car handsfree is a radio transmitter and receiver. When in operation, it communicates with a *Bluetooth* equipped mobile device by receiving and transmitting radio frequency (RF) electromagnetic fields (microwaves) in the frequency range 2400 to 2500 MHz. The output power of the radio transmitter is low, 0.001 watt.

Your *Bluetooth* car handsfree is designed to operate in compliance with the RF exposure guidelines and limits set by national authorities and international health agencies when used with any compatible Sony Ericsson or Ericsson mobile phone.

Driving

Check the laws and regulations on the use of mobile phones and hands free equipment in the areas where you drive.

Always give full attention to driving and pull off the road and park before making or answering a call if driving conditions so require.

RF energy may affect some electronic systems in motor vehicles such as car stereo, safety equipment etc. Check with your vehicle manufacturer's representative to be sure that your mobile phone or *Bluetooth* car handsfree will not affect the electronic systems in your vehicle.

Electronic equipment

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment is not, therefore:

Do not use your *Bluetooth* car handsfree near medical equipment without requesting permission. If you are using any personal medical devices, e.g. a pacemaker or a hearing aid, please read in your mobile phone's User's Guide for further information.

Blasting areas

Turn off all your electronic devices when in a blasting area or in areas posted **turn off two-way radio** to avoid interfering with blasting operations. Construction crews often use remote control RF devices to set off explosives.

Potentially explosive atmospheres

Turn off your electronic device when in any area with a potentially explosive atmosphere. It is rare, but your electronic device could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked.

Children

Do not allow children to play with your *Bluetooth* car handsfree since it contains small parts that could become detached and create a choking hazard.

Emergency calls

IMPORTANT!
This *Bluetooth* car handsfree and the electronic device connected to the hands free operate using radio signals, cellular and landline networks as

well as user-programmed functions, which cannot guarantee connection under all conditions. Therefore you should never rely solely upon any electronic device for essential communications (e.g. medical emergencies).

Remember, in order to make or receive calls, the hands free and the electronic device connected to the hands free must be switched on and in a service area with adequate cellular signal strength. Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with your local service provider.

Limited Warranty

Subject to the conditions of this Limited Warranty, Sony Ericsson Mobile Communications AB (Sony Ericsson), S-221 88 Lund, Sweden warrants this product to be free from defects in design, material and workmanship at the time of its original purchase by a consumer, and for a subsequent period of one (1) year. Should your Product need warranty service, please return it to the dealer from whom it was purchased or contact your local Sony Ericsson Customer Care Center to get further information.

What we will do

If, during the warranty period, this Product fails to operate under normal use and service, due to defects in materials or workmanship, the Sony Ericsson authorized distributors or service partners will, at their option, either repair or replace the Product in accordance with the conditions stipulated herein.

Conditions

1. The warranty is valid only if the original receipt issued to the original purchaser by the dealer, specifying the date of purchase and serial number, is presented with the Product to be repaired or replaced. Sony Ericsson reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the Product from the dealer.
2. If Sony Ericsson repairs or replaces the Product, the repaired or replaced Product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer. Repair or replacement may involve the use of functionally equivalent reconditioned units. Replaced parts or components will become the property of Sony Ericsson.
3. This warranty does not cover any failure of the Product due to normal wear and tear, or due to misuse, including but not limited to use in other than the normal and customary manner, in accordance with instructions for use and maintenance of the Product. Nor does this warranty cover any failure of the product due to accident, modification or adjustment, acts of God or damage resulting from liquid.
4. This warranty does not cover Product failures due to improper repair installations, modifications or service performed by a non-Sony Ericsson authorized person.
5. This warranty does not cover the car installation of the product.
6. Tampering with any of the seals on the Product will void the warranty.
7. THERE ARE NO EXPRESS WARRANTIES, WHETHER WRITTEN OR ORAL, OTHER THAN THIS PRINTED LIMITED WARRANTY. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SONY ERICSSON OR ITS VENDORS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR COMMERCIAL LOSS, TO THE FULL EXTENT THOSE DAMAGES CAN BE DISCLAIMED BY LAW.

Some countries/states do not allow the exclusion or limitation of incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you.
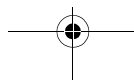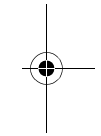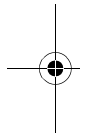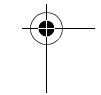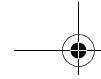
The warranty provided does not affect the consumer's statutory rights under applicable national legislation in force, nor the consumer's rights against the dealer arising from their sales/ purchase contract.

Supported *Bluetooth* functions

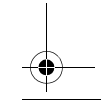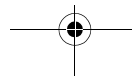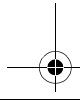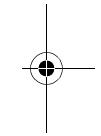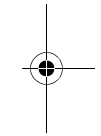This product supports the Headset profile and the Handsfree profile.
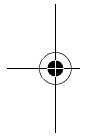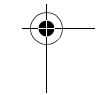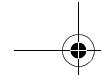
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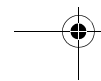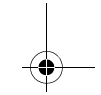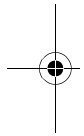
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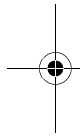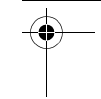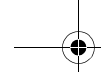
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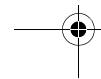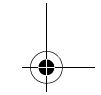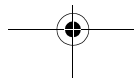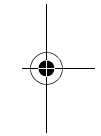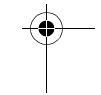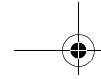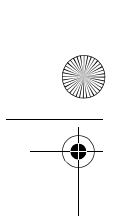
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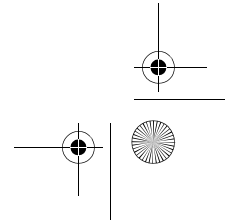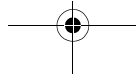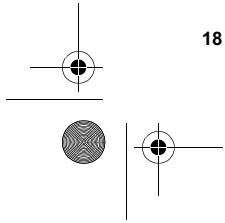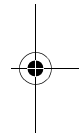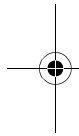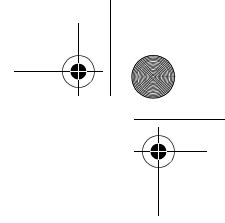
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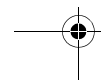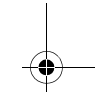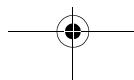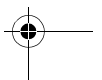
Declaration of conformity

We, **Sony Ericsson Mobile Communications AB** of
Nya Vattentornet
221 88 Lund, Sweden

declare under our sole responsibility that our product

Sony Ericsson type 850 2001

to which this declaration relates is in conformity with
the appropriate standards EN 300 328, EN 300 826 and
EN 301 489-7 following the provisions of Radio
Equipment and Telecommunication Equipment direc-
tive **1995/5/EC** with requirements covering EMC
directive **89/336/EEC** and Low Voltage directive **73/
23/EEC**.

Lund, April 2002
Place and date of issue

$C \epsilon$**0682**⚠

Ulf Persson, Head of Product Business Unit Accessories