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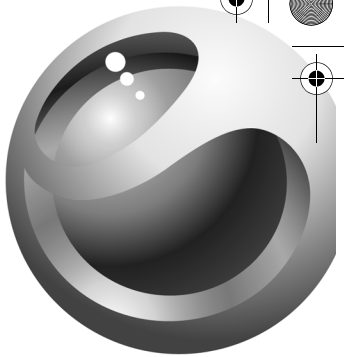

Sony Ericsson

Bluetooth™ Music Handsfree
HBM-30

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Contents

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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.

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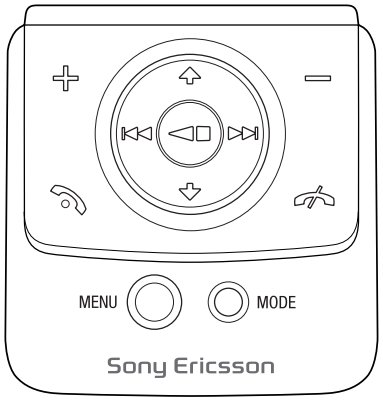
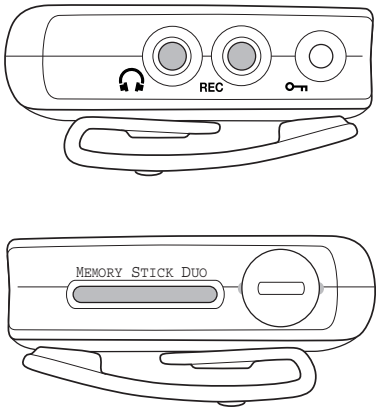
HBM-30 Overview

1



2



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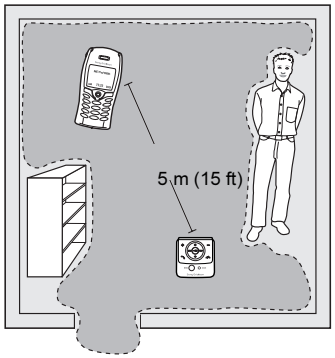
3

Insert battery and Memory Stick Duo
Show MS lock function

4



Optimal performance

French
French

German
German

Spanish
Spanish

Italian
Italian

Chinese
Chinese

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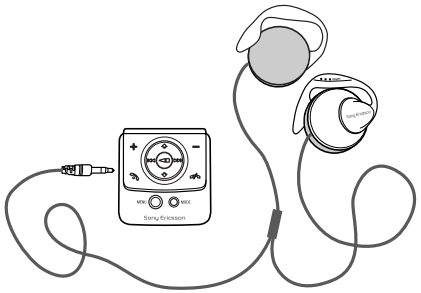
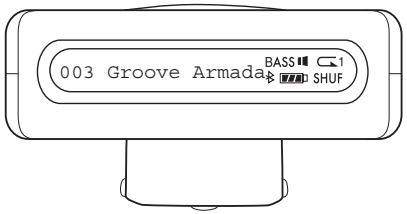
5



a. show how to wear? No
b. show kit content? Yes

6



New picture based on drawing
Text font to be changed

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English

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Sony Ericsson HBM-30

First edition (January 2003)
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Some of the services in this manual are not supported by all networks. *This also applies to the GSM International Emergency Number 112*.
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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ATRAC3 is a copyright protection technology developed by Sony Group.

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Introduction

HBM-30 *Bluetooth*™ Music Handsfree is a music player based on *Memory Stick* technology with a portable headset solution based on *Bluetooth* wireless technology.

See “Guidelines for safe and efficient use” and “Limited Warranty” before using your HBM-30.

Types of *Memory Stick Duo*

There are two types of *Memory Stick Duo*:

-*MagicGate Memory Stick Duo* is white and is equipped with *MagicGate* copyright protection technology. This is used for multimedia storage and the HBM-30 fully supports the white *MagicGateMemory Stick Duo*.

-*Memory Stick Duo* is blue and is not equipped with *MagicGate*. This is used for data storage and HBM-30 can use it only for playback MP3 files.

Note: *When you purchase a spare memory stick for your HBM-30, make sure to ask for a MagicGate Memory Stick Duo, which is distinguished by the* MAGICGATE *logo.*

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Getting started

Before you can use your HBM-30 Bluetooth Music Handsfree, you must first:

- Rotate the battery door to open, see picture “3” on page 4.
- Insert an AAA battery with the positive (+) end of the battery first.
- Close the battery door by rotating it.
- Insert the *Memory Stick Duo* into the slot until it clicks into place.
- Turn on the HBM-30. Press and hold for 3 seconds.
- Connect the headphones, see picture “5” on page 5
- Pair the HBM-30 with a mobile phone. See “Pairing” on page 9.
- Turn off. Press and hold .

Note: *The first time the HBM-30 Bluetooth Music Handsfree is turned on, it will automatically be ready for pairing.*

Adjusting the volume

You can adjust the HBM-30 speaker volume both during a call or when playing music.

To adjust the volume

- To increase the volume, press +.
- To decrease the volume, press −.

Locking buttons

This function locks the buttons to prevent accidental operation when you carry the HBM-30.

To lock the buttons

- Press and hold for 3 seconds to lock the HBM-30 buttons, except and . The display shows *Hold On* for 3 seconds.

To unlock the buttons

Press . The display shows *Hold Off* for 3 seconds.

Battery status

With the HBM-30 on, the battery status is indicated by on the display as long as the battery is sufficiently charged. When battery is nearly empty the BATTERY LOW ICON is flashing. Stop playing or recording, power off the HBM-30, and

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change battery to prevent corruption of your *Memory Stick Duo*.

Note: *Removal of the battery during operation will delete all unsaved user settings and may corrupt the content of your memory stick.*

Pairing

You can connect your HBM-30 to your mobile phone or any device with *Bluetooth* wireless technology that supports the headset profile.

Pairing the HBM-30 with a phone

You pair the HBM-30 with the phone by adding it to a list of paired devices in the phone. The two devices then recognize each other when they connect. Once you have paired your HBM-30 with the phone, you do not need to pair it again until you want to use it with another device.

When the HBM-30 is paired to more than one phone, an incoming call is accepted from each of the paired phones and an outgoing call is performed via the preferred phone (i.e. the last paired phone).

To pair the HBM-30 with a Sony Ericsson or Ericsson phone

1. With the HBM-30 turned off, press and hold and until the display shows *Pairing mode*. The device also beeps when it starts up in pairing mode.

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2. In the phone, scroll to *Extras* or *Connect*, (YES), *Bluetooth*, (YES), *Paired devices*, (YES), *Add device*, (YES), *Phone initiates*, (YES).
3. A list of device types that you can pair with your phone appears. Scroll to *Headset,* (YES). Make sure that the HBM-30 is within 1 m (3 ft) of the phone. *HBM-30* appears in the display. Press (YES). Enter the HBM-30 passkey (0000), (YES). The phone pairing procedure starts.
4. You may now replace the given HBM-30 name with a personal name tag, (YES). When pairing has been completed, the icon ᛒ appears and the text *Pairable* disappears from the display.

Note: *To pair the HBM-30 with another make of phone, see the phone's user documentation on pairing. The HBM-30 passkey is 0000.*

Resetting the HBM-30

HBM-30 can be reset to its default settings. This also clears current pairing.

To reset the HBM-30

- With the HBM-30 in pairable mode, press and hold both ☎ and ⌒ for at least 4 seconds. The dispalay shows *Factory Set* and it will swtich off. When turned on again it will start up exactly as the first time used.

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Play music

You can play both ATRAC3 and MP3 music files with your HBM-30.

To insert and remove the Memory Stick Duo

1. Insert the *MagicGate Memory Stick Duo* into the slot. If the memory stick is inserted correctly the display shows *Read MP*3 or *Read ATRAC3* according to current preferred format. See "Changing settings" on page 12.
2. To remove the memory stick, slightly push and release the memory stick. The display shows *MS out* for 3 seconds. See picture "3" on page 4
   Note: *With a Duo adapter the memory stick can be used in a standard sized memory stick slot.*

To listen to music

1. Insert a recorded *Memory Stick Duo* into your HBM-30.
2. Press ■► to start or pause playback. The display shows for ATRAC3 the track title and the artist name as stored on memory stick. For MP3 it shows the track title and artist name (if available otherwise filemane). If no memory stick is inserted the display shows *No MS*.

To select track

- Press ⏮ or ⏭ to go to the next or previous track.

To fast forward and rewind during playback

- To fast forward, press and hold ⏭.
- To rewind, press and hold ⏮.

To set up repeat mode

Press ▲ repeatedly to select:

- repeat off - turns off the default repeat function
- ↻1 - repeat the current track
- ↻ - play all tracks then repeat from start
- SHUF - play all tracks in random order
- ↻SHUF - play all tracks in random order then repeat again.

Note: *Repeat functions work on current track type, ATRAC3 or MP3.*

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To adjust the bass sound

Press ▼ sequentially to emphasize the bass sound in four levels: bass off, BASS, BASS, and BASS.

Note: *If the sound becomes distorted when emphasizing the bass, turn down the volume.*

Changing settings

In playback mode, use MENU to enter playback menu mode. In playback menu you can select edit, erase, erase all, format, or type of preferred format to play.

Note: *You must pause playback before you can enter playback menu.*

To select preferred music format

1. Press MENU.
2. Scroll to *Type* with the ▶▶|, and press ■►.
3. Use ▲ or ▼ to choose *ATRAC3* or *MP3*, and press ■► to select.
4. Press MENU to leave playback menu.

Note: *Changing the settings applies to both music formats for most functions, but the HBM-30 will only play tracks of the preferred format.*

To edit the track title

1. In playback mode, press MENU to enter the playback menu mode. *Edit* is displayed.
   Note: *You can edit ATRAC3 track titles, but not MP3 track titles. An ATRAC3 track title can be 128 characters.*
2. Press ■► to enter the edition mode. The current track title is displayed. The edition cursor is flashing on the first caracter.
3. Press ▶▶| or |◀◀ to move to the character you want to edit.
4. Press ▲ or ▼ to scroll through the alphabet.
5. Press ■► to save the modification and exit the edition mode or press MENU to exit without saving the modification.

To erase current or all tracks

1. Press MENU.
2. Scroll to *Erase* or *Erase All* with the ▶▶|, and press ■►.
3. Use ▲ or ▼ to choose *Yes* or *No*, and press ■►. Only files in current music format are erased. Once a track is erased, it can not be recovered.
4. Press MENU to leave playback menu.

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Note: *Changes to the settings apply to both music formats. At any one time, the HBM-30 will only playback tracks of the preferred format.*

To format the MagicGate Memory Stick

1. Press **MENU**.
2. Scroll to *Format* with the ▶▶|, and press ■►. The display shows *Format ? No*.
3. Use ▲ or ▼ to choose *Yes*, and press ■►. All existing files and directories on the memory stick will be deleted and new \MP3 and \HIFI directories will automatically be created.
4. Press **MENU** to leave playback menu.

Note: *Use this function only when your MagicGate Memory Stick contents have accidentally become corrupted. All your music will be lost, but you can use your memory stick to record new music tracks.*

Record music

The HBM-30 supports recording from analog sound sources.

In recording mode, the music from your sound source is also available in the headphones.

Recording is only possible in ATRAC3 music format on *MagicGate Memory Stick Duo*. If other makes of memory stick is used, the HBM-30 will remain in recording mode but will not record tracks.

Note: *Please do not remove the battery while HBM-30 is active. Your memory stick contents might become corrupted.*

To record with default settings

1. Connect your HBM-30 to a music source using the recording cable.
2. Press and hold **REC** for up to 4 seconds and the HBM-30 changes to recording mode. The display shows the remaining recording time on the memory stick or if the memory stick is full the display shows *MS Full*.

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Note: *When listening to music, it is only possible to switch to recording mode if you first stop music playback.*

3. Press ▲ or ▼ to adjust the recording level.
4. Press ■► to start recording. The HBM-30 will assign a default track title and the display shows the current recording time.
   Note: *It is not possible to adjust recording level during recording, but it is possible to adjust the listening volume.*
5. Press ■► to finish recording and go back to recording mode. The display shows *Busy* for a few seconds.
6. Press and hold **REC** again and the HBM-30 will change back to playback mode. The music volume will then automatically change to default volume.

Note: *To prevent disruption of your recording, it is not possible to receive incoming calls or start outgoing calls with the HBM-30 during recording.*

Changing record settings

Before actual recording is started it is possible to select the recording quality level. The highest quality level delivers near CD quality but requires more storage capacity. The user can select the following bit rates for a *Memory Stick Duo*. For a 64 MB *Memory Stick Duo* following recording times are possible:

	Bit rate	Recording time	File format
Lo	66 Kbps	2 h 9 min	ATRAC3
Mid	105 Kbps	1 h 21 min	ATRAC3
Hi	132 Kbps	1 h 4 min	ATRAC3

To change quality level

1. While in record mode, press **MENU**.
2. Scroll to *Quality* with the ►►|, and press ■►. Use ▲ or ▼ to choose *Lo* (low), *Md* (medium), or *Hi* (high), and press ■►.
3. Press **MENU** to go back to record mode.

Selecting auto track mark

In order to record multiple tracks on the *Memory Stick Duo* in one recording session, for example, a complete CD, the HBM-30 supports auto track mark. When a period of silence is detected between tracks, the HBM-30 regards this as a track change. A pause is added and a new track is created on the *Memory Stick Duo*.

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To select auto track mark

1. While in record mode, press **MENU**.
2. Scroll to *Auttrmk* with the ▶▶|, and press ■►.
3. Use ▲ or ▼ to choose *On* or *Off*, and press ■►.
4. Press **MENU** to go back to record mode.

Store music

File structure

You can copy tracks to and from the *Memory Stick Duo* using a computer equipped with *Memory Stick* or *Memory Stick Duo* drive.

In order to play MP3 files from the memory stick, the files must be stored in a dedicated directory of the memory stick called "\MP3".

Note: *You should not change the contents of any other directory than "\MP3".*

Because of the technical differences between how ATRAC3 and MP3 files are stored on the memory stick, only one format can be handled at the time. Based on user preference, the HBM-30 starts in the selected format (ATRAC3 or MP3). If no files of the preferred format are found, but if files of the other format are detected, the HBM-30 automatically switches to the other format. Playback of ATRAC3 files is the default setting. See "To select preferred music format" on page 12.

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Note: *To avoid damaging data, do not release the memory stick or unplug the recording cable during reading or writing data.*

Handle phone calls

Once you have paired the HBM-30 with your phone, you can make and receive calls using the HBM-30 as long as it is turned on and within range of the phone –up to 10 m (30 ft) outdoors or up to 5 m (15 ft) indoors with no solid objects in between. For best performance, use the HBM-30 and phone in the same room. See picture “4” on page 4.

If your Sony Ericsson or Ericsson phone supports voice dialling and it is activated, you can use this feature with the HBM-30.

Note: *Always make sure the Bluetooth operation mode in the phone is on when using the Bluetooth Music Handsfree.*

Making and answering calls

Phone functionality is still available when the HBM-30 is playing music. You can make and answer calls using the buttons on the HBM-30. If you use the buttons on the phone, you will recieve the call in the phone.

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To make a call using voice dialling

1. Make sure the phone and the HBM-30 are on and within range of each other. Press for at least 2 seconds to enable voice dialling.
2. After the beeps, perform voice dialling as you normally would.
3. End the call by pressing . The HBM-30 will start playing again. The display will show track information, followed by elapsed time of the current track.

Note: *For more information on voice dialling, please refer to the phone's user documentation.*

To answer a call

1. When the HBM-30 receives a call, the HBM-30 pauses the music and rings. Press to accept the call.
   Note: *If the phone rings first, wait until the HBM-30 rings, then press* .
2. Press to end the call. If the HBM-30 was playing music, it will start playing again. The display will show track information, followed by elapsed time of the current track.

Note: *If your phone supports Calling Line Identification (CLI), the display of your HBM-30 will show the telephone number of the person calling you.*

To answer a second call

- You have to use the phone keypad to answer and handle a second call, but you can still use the HBM-30 for talking and listening. You cannot use the HBM-30 buttons during a second call. Refer to the phone's user documentation on how to handle more than one call simultaneously.

To reject a call

- Press . The HBM-30 will continue playing.

Transferring sound from phone to HBM-30

Depending on the type of phone, you can transfer the sound to the HBM-30 from the phone during a call. The HBM-30 has to be on, paired with the phone, and within range.

To transfer the sound to the HBM-30

- During a call, press . The HBM-30 beeps until the sound has been transferred.

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Note: *To transfer the sound from the phone to the HBM-30, refer to the phone's user documentation.*

Muting the microphone

You can mute the microphone during a call.

To mute the microphone during a call

- Press both + and —. A repeated beep is heard while the microphone is muted.
- Press and release both + and — again to resume the conversation.

Troubleshooting

No sound contact between HBM-30 and phone

The HBM-30 and the phone you are using with it have to be:

- paired to recognize each other
- within range of each other. Make sure that there are no solid objects, such as walls or furniture, in between the HBM-30 and the phone.
- Bluetooth operation mode in the phone has to be on.

Note: *If the HBM-30 has been in pairing mode for more than 10 minutes but no pairing is completed, the HBM-30 leaves the pairing mode and the Bluetooth function can not be used.*

Some functions do not work according to the instructions

If you notice that you cannot make use of all the features in the HBM-30, please refer to the phone´s user documentation, or check with a Sony Ericsson service partner. For information about support and for User's guides for Ericsson, Sony and Sony

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Ericsson mobile phones, see http://www.SonyEricsson.com/support

The HBM-30 is automatically switched off

The HBM-30 might be switched off automatically if the battery power is too low. Insert a new battery.

Memory Stick Duo

- The HBM-30 supports white *MagicGate Memory Stick Duo* for both playback and recording.
- The HBM-30 supports blue *Memory Sticks* only for playback of MP3 files.
- When recording make sure the memory stick is not locked. Check the lock function on the back of the memory stick. See picture “3” on page 4
- If the *Memory Stick Duo* runs out of memory (*MS FULL* is displayed), you can erase tracks. Check that both ATRAC3 and MP3 tracks are deleted. See page 12.

ATRAC3 and MP3 files

- If an 8 character MP3 file name shows in the display, there is no track title added for the MP3 file. See “Changing settings” on page 12.
- The HBM-30 does not support playback of MP3 files recorded at a bitrate higher than 192 kbps.

Unreadable Memory Stick

If the display shows *Wrong MS*, the contents of your *MagicGate Memory Stick Duo* may have become corrupted. Use the format function to recover your memory stick, see page 13. Your memory stick can be used again for ATRAC3 recording or for storage of MP3 tracks.

Use this function only when your *MagicGate Memory Stick* contents have accidentally become corrupted.

All your music will be lost, but you can use your memory stick to record new music tracks.

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Additional information

Guidelines for safe and efficient use

Note: Read this information before using your HBM-30 Bluetooth Music Handsfree.

Changes or modifications to this *Bluetooth* Music 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. Remove the battery.

Radio frequency exposure

Your HBM-30 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 HBM-30 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, handsfree equipment, and music players 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 HBM-30 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 HBM-30 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.

Aircraft

Turn your HBM-30 OFF before boarding any aircraft. To prevent interference with communication systems, you must not use your HBM-30 while the plane is in the air.

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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.

Placing
Sony Ericsson recommends that the HBM-30 is worn in positions where it will not be subject to pressure since such pressure may result in bodily injury or damage to the product.

Children
Do not allow children to play with your HBM-30 since it contains small parts that could become detached and create a choking hazard.

Emergency calls
IMPORTANT!
This HBM-30 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.

Battery information

Preferred battery types for your HBM-30 are Duracell AAA.

A new battery or one that has not been used for a long period of time could have reduced capacity.

Do not expose the battery to extreme temperatures, never above +55°C (+131°F). For maximum battery capacity, use the battery in room temperature. If the battery is used in low temperatures, the battery capacity will be reduced.

Recycling the battery in your HBM-30
The battery in your HBM-30 must be disposed of properly and should never be placed in municipal waste. The Ericsson Service Partner removing the battery will dispose of it according to local regulations.

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 Contact 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

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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. Tampering with any of the seals on the Product will void the warranty.
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Declaration of conformity

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

declare under our sole responsibility that our product

Sony Ericsson type 840 8001

to which this declaration relates is in conformity with the appropriate standards EN 300 328, EN 301 489-7 and EN 301 489-17 following the provisions of Radio Equipment and Telecommunication Equipment directive **1995/5/EC** with requirements covering EMC directive **89/336/EEC** and Low Voltage directive **73/23/EEC**.

Lund, January 2003
Place and date of issue

CE 0682

Ulf Persson, Head of Product Business Unit Accessories

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