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You can read the recommendations in the user guide, the technical guide or the installation guide for SILVERCREST KH 2377. You'll find the answers to all your questions on the SILVERCREST KH 2377 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SILVERCREST KH 2377
User guide SILVERCREST KH 2377
Operating instructions SILVERCREST KH 2377
Instructions for use SILVERCREST KH 2377
Instruction manual SILVERCREST KH 2377

SILVERCREST®

GB **Bluetooth Car Radio**

KH 2377



Bluetooth Car Radio
Operating instructions

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@@@@@The operating instructions must be constantly kept available close to the device. They are to be read and used by anyone assigned to install, service and repair faults in the device. Keep these operating instructions and hand them over with the device to any future owners. Copyright This documentation is copyright protected. All rights including those of photographic reproduction, duplication and distribution by means of particular methods (for example data processing, data carriers and data networks), wholly or partially as well as substantive and technical changes are reserved. 2 KH 2377

Introduction Limited liability All technical information, data and information for installation, connection and operation contained in these operating instructions correspond to the latest at time of printing and, to the best of our knowledge, take into account our previous experience and know-how. No claims can be derived from the details, illustrations and descriptions in these instructions. The manufacturer assumes no responsibility for damage caused by failure to observe the instructions, improper use, inappropriate repairs, making unauthorized changes or for using unapproved replacement parts. GB IE Warnings In the current operating instructions the following warnings are used: WARNING A warning of this danger level signifies a possible dangerous situation. If the dangerous situation is not avoided it can lead to injuries.

The directives in this warning are there to avoid personal injuries. IMPORTANT A warning of this danger level signifies possible property damage. If the situation is not avoided it can lead to property damage. The directives in this warning are there to avoid property damage. NOTICE A notice signifies additional information that assists in the handling of the device.

KH 2377 3 Introduction GB IE Proper use This device is intended only for reception of FM/AM radio stations as well as for the playback of audio and MP3 CDs, MP3 files from USB data carriers and SD/MMC memory cards as well as audio signals of external audio devices. In addition you can couple the device with a Bluetooth mobile phone and with the microphone unit use the device as a hands free facility. The device is intended for installation into a vehicle. This device is not intended for any other use or for uses beyond those mentioned. WARNING Danger from unintended use! Danger can come from the device if

used for unintended purposes and/or other types of use.

Use the device exclusively for intended purposes. Observe the procedures described in these operating instructions. Claims of any kind for damage resulting from unintended use will not be excepted. The operator alone bears liability. Safety In this chapter you receive important safety information regarding handling of the device. This device complies with the statutory safety regulations. Incorrect usage can, however, lead to personal injury and property damage. Basic Safety Instructions For safe handling of the device observe the following safety information: Before use check the device for visible external damage. Do not put into operation a device that is damaged or has been dropped. 4 KH 2377 Introduction Damaged cables or connections should be replaced by authorized qualified persons or by the customer service department.

Persons who, due to their physical, intellectual or motor abilities, are incapable of operating the device safely may only use the device under supervision or direction from a responsible person. Only permit children to use the device under supervision. Repairs should only be carried out by authorized specialist companies or by the customer service department. Incorrect repairs can result in significant dangers for the user. In addition warranty claims become void. A repair to the device during the warranty period may only be carried out by a customer service department authorized by the manufacturer otherwise no additional warranty claims can be considered for subsequent damages. Defective components may only be replaced with original replacement parts. Only by using original replacement parts can you guarantee that the safety requirements are complied with. Protect the device from moisture and liquid penetration.

GB IE Danger from laser radiation WARNING The device is equipped with a class 1 laser.

Laser radiation is dangerous to the eyesight! Observe the following safety instructions to avoid exposure of yourself or others to laser radiation: Never open the device. Have the device repaired only by a specialist. Do not make any modifications to the device. KH 2377 5 Introduction GB IE Traffic safety WARNING Safety in traffic has the highest priority! Observe the following safety instructions so that you do not put yourself or others in danger: Before travel commencement familiarize yourself with the operation of the device. Only operate the device when the traffic situation allows.

Stop in a suitable place to carry out comprehensive operations. Only remove or insert the face plate when the vehicle is parked. Set the volume to a moderate level so that acoustical signals from police vehicles, fire trucks and other emergency services can be perceived in good time. Interaction with batteries WARNING Danger from improper use! For safe handling of batteries observe the following safety instructions: Do not throw the batteries into a fire.



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Do not short circuit the batteries.

Do not attempt to recharge the batteries. Regularly check the condition of the batteries. Leaking battery acid can cause permanent damage to the device. When handling a damaged or leaking battery special care should be taken. Danger from acid burns! Wear protective gloves. Store batteries in a place inaccessible to children. When swallowed seek immediate medical attention. Remove the batteries from the remote control if you do not intend to use the device for extended periods of time. 6 KH 2377 Introduction Package contents and transport inspection WARNING Risk of suffocation! Packaging material should not be used as a play thing. There is a risk of suffocation! The device is delivered with the following components as standard: Car radio (incl.

face plate) Installation bracket (Attached) Bezel frame (Attached) Fixture plate (incl. securing material) Remote control 1 Battery CR2025, 3 V DC Keys for installation frame (2x) Case for face plate Microphone unit with adhesive strip Operating instructions NOTICE Check the contents to make sure everything is there and for visible damage. If the contents are not complete or are damaged due to defective packaging or through transportation contact the service hotline (see warranty card). GB IE Disposal of the packaging The packaging protects the device from transport damage. The packaging materials are selected from the point of view of their environmental friendliness and disposal technology and are therefore recyclable. The recirculation of packaging into the material circuit saves on raw material and reduces generated waste. Dispose of packaging material that is no longer needed according to the regionally established regulations. NOTICE If possible preserve the device's original packaging during the warranty period so that in the case of a warranty claim you can package the device properly for return. KH 2377 7 Operating components GB IE Operating components Car radio POWER/DIM: Switch device on and off/dim display illumination 2 3 4 5 6 7 8 9 21 PTY/9: Station search by PTY group, number button 9 22 23 MODE: Set the operating mode Multi controller/SEL: Turn to set value/volume Sensor for remote control Display Unlocking the face plate Card slot for SD/MMC cards USB port AUX: 3.5 mm stereo input socket for the connection of an external audio device I: Title / Station search forwards I: Title / Station search backwards AS/PS: Automatic station saving SCAN/REC: Automatic station search/Record to a data carrier at the USB port or the SD/MMC card slot BAND/ENT: Select band range/confirm selection MUTE: Switching off the sound button: End call button: Accept call PHONE: Access telephone function DISP/#: Show display information, # button DSP/0: Adjust sound settings, number button 0 TA/8: Activate traffic radio station/ number button 8 AF/7: Alternative Frequency search/regional programme activation, number button 7 RDM/4: Random playback in the CD/MP3 operation mode, number button 4 INT/3: Intro function in the CD/MP3 operation mode, number button 3 RPT/2: Repeat function in the CD/MP3 operation mode, number button 2 PAU/1: Stop playback in CD/ MP3 operation, number button 1 OPEN: Reject disc CD compartment Theft protection LED/ CD compartment position LED Holder for the face plate RESET: Resetting the device ISO-Block connection B Automotive blade type fuse 10 A ISO block connection A Bluetooth antenna SUBWOOFER: Connection cable with cinch connector for subwoofer Socket for microphone unit LINE OUT: Audio cinch output L/R for amplifier Antenna connection for DIN antenna plug 24 25 26 10 11 12 13 27 28 29 30 31 32 33 34 35 36 37 14 15 16 17 18 19 20 38 39 40 8 KH 2377 Operating components Remote control 41 42 43 44 45 46 47 48 49 50 51 Accessories 62 63 6Connecting the microphone unit For connection of the microphone unit use the microphone unit socket 38.

KH 2377 11 Installation GB IE Connection schematic Antenna Subwoofer Bluetooth antenna 1 3 ISO B ISO A External amplifier Microphone unit Installation The device can be installed into any standard ISO mounting duct. In the event that your vehicle does not have an ISO mounting duct contact your local specialist establishment, local dealer or the technical department of the store. NOTICE Before installation remove, without fail, the two transport securing screws on the top of the housing (marked with a red sticker)! Connect the cable before finally installing the device. Make sure that it is plugged in properly and that the system functions correctly. Installation instructions Install the device in the duct provided for it or select the installation location so that all buttons can be comfortably reached and the driver is not impeded.

Only connect the device to a properly installed 12 V automotive battery. Only connect the device in the vehicle via an ISO plug. Install the device in such a way as to avoid the development of heat accumulation and so that the device is sufficiently ventilated. 12 KH 2377 Installation To avoid function disturbances the installation angle should be less than 30°. Do not install the device in a location where it will be subjected to high temperatures (i. e. direct sunlight or heating vents), heavy contamination and strong vibrations. In the event that changes to the vehicle are necessary contact your vehicle dealer/qualified radio installation facility. GB IE Installing the device into the ISO duct Pull the installation bracket 68 and the bezel frame 67 from the device's housing. Place the installation bracket into the ISO mounting duct. Bend the tabs on the installation bracket with a screw driver so that the bracket is fixed firmly into the mounting duct (see diagram). Check to make sure that the bracket is securely fixed. Connect the ISO socket block of the device with the two ISO plugs on your vehicle. Connect the antenna cable from the vehicle antenna to the antenna socket on the device. Feed the microphone unit cable into the mounting duct and connect it to the microphone unit socket.

Place the cable in such a way that the microphone unit can be secured in the vehicle interior later, see also the chapter "Using the microphone" on page 30. Contingently connect the audio cinch cable of an external amplifier to the LINE OUT socket 39 on the device. Contingently connect the audio cinch cable of an external subwoofer to the yellow cinch socket SUBWOOFER 37 on the device. KH 2377 13 Installation GB IE If necessary secure your device against theft with additional measures. Attach the securing screw with the anchoring plate 70 and the securing material to the engine firewall of the vehicle. Carefully push the device into the mounting duct until it locks into place. After all connections have been made activate the RESET button with a ball point pen or other pointed object.



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Attach the face plate as described under "Installing the face plate". **IMPORTANT** Possible damage to the cable! Observe the position of the cable when sliding the device into the duct so as to avoid damaging it. Finally put on the bezel frame.

Uninstalling the device To remove the installed device proceed as follows: Remove the bezel frame 67. Insert the right and left keys 69 into their respective slots on the sides of the device. (The tabs are now bent back.) Pull the device out. 14 KH 2377 Initial use Face plate To protect against theft you can remove the face plate from your device.

Do not store the removed face plate in your vehicle. **NOTICE** When the face plate is not inserted into the frame the theft protection LED 30 on the device blinks. To safeguard the face plate always keep it stored in its case. **GB IE Installing the face plate** Place the face plate with the left side in the frame first. Then firmly press the right side until it locks into place.

Subsequently flip the face plate upwards until it locks into place. Check to make sure that the face plate is firmly and correctly installed in the frame. If the face plate is incorrectly installed it can result in malfunctions when operating the device. Removing the face plate Press the 6 button to unlock the face plate. The face plate tilts automatically forward. Tilt the face plate completely forward. Slide the face plate to the left and then pull first the right and then the left side away. KH 2377 15 Handling and operation GB IE Remote control Inserting the battery **NOTICE** The supplied battery (Type CR2025) is already installed in the remote control when delivered. Before use remove the isolation strip from the battery compartment. For replacement with a new battery proceed as follows: Pull the battery compartment out of the remote control by pressing the lateral locking device and at the same time pull the battery compartment out.

Remove the depleted battery and insert a new battery of the type CR2025 (Button cell) into the battery compartment. Be sure to insert the battery with the correct polarity. Slide the battery compartment back into the remote control until it locks into place. Using the remote control Point the remote control to the Infrared sensor 4 on the front panel of the device. **NOTICE** You can use the remote control up to a distance of 8 m from the device. Handling and operation In this chapter you receive important information for the handling and operation of the device. **NOTICE** Most of the functions can be operated by the buttons on the device as well as by the buttons on the remote control. In these instructions operation via the buttons on the device is described. Any reference to the push buttons on the remote control will be specifically highlighted. If no setting is made and/or no button pushed within approx.

5 seconds the device returns to its previous operating mode. Changed settings are saved. 16 KH 2377 Handling and operation Switching On and Off Press briefly the POWER/DIM button to switch the device on. In the display the notice WELCOME appears. Briefly tap the POWER/DIM button. In the display appears AUTO DIM. Briefly tap the POWER/DIM button again. In the display appears MAN DIM. AUTO DIM: The display illumination will, depending on the lighting conditions, set automatically. MAN DIM: The display illumination can be set in two stages (H = High and L = Low) by turning the multi controller.

To switch off hold down the POWER/DIM button longer. **GB IE Settings WARNING** Hearing damage as a result of too high a volume! If the volume is set too high it can lead to permanent hearing damage. Set the volume to moderate levels only. Volume Turn the multi controller to set the volume. Mute switching (MUTE) on / off Press the MUTE button to switch the sound off. "MUTE" blinks in the display. To switch the sound on again press the MUTE button once more. The mute switching is rescinded when receiving a PTY or TA station. KH 2377 17 Handling and operation GB IE Bass/Treble/Balance/Fader Press the SEL button on the remote control or the multi controller on the device. The current volume level is shown.

Each additional press of the SEL button or the multi controller accesses the next setting point. The following settings are possible: VOL BAS TRE BAL - Volume (from 0 to 50), - Bass (from -10 to 10), - Treble (from -10 to 10) - Balance (sound distribution between the right and left speakers) (from 10L to 10R) FAD - Fader (sound distribution between the rear and front speakers) (from 10F to 10R) Turn the multi controller to change the settings of the displayed menu items. additional settings via the SEL button or the multi controller Hold the SEL button or the multi controller down for approx. 2 seconds then subsequently press the SEL button or the multi controller repeatedly until the desired function is shown in the display. INVOL - switch on volume Turn the multi controller to set the volume level, with which the device is to be set when turned on. REC - Recording format Turn the multi controller to set the record format for recording on SD/MMC and/or USB data carriers, MP3 (MP3 data) or WMA (Windows Media Audio). SUBW - Subwoofer You can connect an active external subwoofer to produce a more powerful bass effect. Turn the multi controller to turn the bass effect on (SUBW ON) or off (SUBW OFF). ADJ - Time of day **NOTICE** The device is equipped with an RDS controlled clock. The clock sets itself automatically when the EON function is switched on and also continues to run when the radio is switched off.

If you do not receive any RDS signal you can also set the time of day manually. Turn the multi controller to the right to set the hours and to the left to set the minutes. 18 KH 2377 Handling and operation TAVOL - Volume for traffic radio Turn the multi controller to set the volume level, with which traffic reports are to be played back. EON - Information from other stations When the EON function is switched on the radio switches to traffic radio or PTY groups if the TA or PTY function has been activated. Turn the multi controller in order to switch the EON function on (EON ON) or off (EON OFF).

DSP - Equalizer (Digital Sound Processing) Turn the multi controller to select one of the settings DSP CLASSIC, DSP ROCK, DSP POP, DSP FLAT or DSP NONE. In the setting DSP NONE no DSP is switched on. The DSP equalizer setting is shown at the bottom of the display. You can also set the equalizer by pressing the DSP button on the remote control. With this setting DSP is switched off when the radio frequency is shown again.

TA - Traffic Announcement (traffic radio) Turn the multi controller to perform the following settings: TA SEEK: As soon as the reception signal for traffic announcements becomes weaker or you leave the reception area the search function starts and will look for the strongest TA station. TA ALARM: As soon as the reception signal for traffic announcements becomes weaker or you leave the reception area an alarm tone sounds.



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PI - Program Identification (Sound with the station search) Turn the multi controller to perform the following settings: **PI SOUND:** Station search with sound. **PI MUTE:** Station search without sound. **RETUNE (Search times of stations with PI recognition)** Turn the multi controller to perform the following settings: **RETUNE L:** The search process for a station with the correct PI recognition runs for 90 seconds. **RETUNE S:** The search process for a station with the correct PI recognition runs for 30 seconds. **MASK (Conceal specific stations)** Turn the multi controller to perform the following settings: **MASK DPI:** Conceals the AF stations which have another PI recognition. **MASK ALL:** Conceals the AF stations which have another PI recognition and all annoying non-PI stations that have the same station frequency. **GB IE KH 2377 19 Handling and operation GB IE Loudness** Hold down the **MODE** button to switch the loudness function on or off. In the display appears **LOUD ON** and/or **LOUD OFF**.

Operating mode Press the **MODE** button to switch between radio reception (Frequency indicator), **CD/MP3 operation (CD)**, memory card slot (**SD/MMC**), **USB port (USB)** and audio input (**AUX**). **NOTICE** The operating modes **CD**, **SD/MMC** and **USB** can only be accessed when the corresponding medium is inserted. **Display** Press repeatedly the **DISP** button to display successively the following information: Radio station, title + interpret, time of day (set automatically with **RDS** reception), **PTY** settings (these **RDS** functions are sent from the broadcasting service in various ranges; see also the chapter "Radio functions") and frequencies. **NOTICE** When you are not receiving any **RDS** or **PTY** information, "**PS NONE**" or "**PTY NONE**" is shown in the display. **Radio reset (RESET)** To reset the device to its factory default settings, press the **RESET** button with a pointed object, such as a pen. Reset the device: when operating for the first time, after the cable connection, if not all function buttons are working when an error message appears in the display. **20 KH 2377 Handling and operation Radio functions Select frequency range** Press the **BAND/ENT** button to switch between **VHF (F1, F2, F3)** and medium wave (**M1, M2**). **GB IE Automatic station search** Press briefly the buttons **I** or **I** to start a station search. The search will stop when a station is found. **Manual station selection** Hold down one of the buttons **I** or **I** for two seconds, in the display appears **MANUAL**.

Now press the buttons **I** or **I** to change the frequency in steps of 0.05 MHz (**VHF**) and/or 9 kHz (**MW**) until the desired frequency is set. If no button is pressed for approx. two seconds the automatic station search is set again. **AUTO** appears in the display.

Saving radio stations For each frequency range 6 stations can be saved. Hold down for approx. @@The successful saving is signalled by the showing of the numbers 1 to 6 in the display. **Search for stations with alternative frequencies** Press the **SCAN/REC** button to search for stations with an **AF** signal in the **VHF** band range. The search stops with each found station for 5 seconds and then continues searching.

If you want to listen to and save the station press the **SCAN/REC** button to stop the search. Hold down for approx. @@@@@@@@@@five seconds. @@@@All stations will be briefly selected. When you hear the desired station press the **AS/PS** button. @@Press the **AF** button. In the display appears the indicator **AF**. @@Press the **AF** button again to switch the function off. @@@@@@@@@@ For this function the **EON** function must be switched on. @@@@@@@@@@In the display the notice **PTY** appears.

@@To deactivate the **PTY** search press the **PTY** button again. @@@@Press the **TA** button to switch this mode on or off. @@With this the volume level entered under **TAVOL** will be set. @@@@Do not subject the device to any extremely high or low temperatures. **Anti-Shock function (ESP - "Electric Shock Protection")** The device is equipped with an anti shock function. This function serves to compensate for vibrations, for example on uneven streets, and to provide an uninterrupted playback even with device movement. When the device is switched on the memory automatically fills with data: with audio **CDs** for 12 seconds; with **MP3 CDs** for 75 seconds. **Inserting and removing CDs** Fold the face plate downward by pressing the face plate's unlocking device. Push the **CD** into the **CD** slot with the inscribed side facing up. Lock the face plate back into place by folding it upwards.

Playback of the CD begins. In the display appears **CDP PLAY**. To remove the **CD** open the face plate again. Press the **OPEN** button. The **CD** will be ejected. The device switches to radio mode. Immediately remove the **CD** from the **CD** slot. If an ejected **CD** is not removed within approx. 5 seconds the device will draw it back in, however playback of the **CD** will not start. **24 KH 2377 Handling and operation Title skip** Press the buttons **I** or **I** to select the next and/or previous title.

The title number will be shown in the display. **GB IE Fast forward/backward** Hold down the buttons **I** or **I** longer to start fast forward or backward. Stop playback Press the **PAU/I**, button to stop playback. To continue playback press the **PAU/I** button once more. Repeat function (**RPT - Repeat**) Press several times the **RPT/2** button to switch between the repeat functions. The following settings are possible: **RPT ONE:** The current title is repeated. **RPT ALL:** The entire **CD** will be repeated. **RPT** will not be displayed. Additionally with **MP3 CDs:** **RPT DIR:** All titles in the current directory will be repeated. If the functions **RPT ONE** or **RPT DIR** are activated **RPT** will appear in the display.

Title sampling Press the **INT/3** button. In the display **INT** is shown. Approx. 10 seconds from all titles will playback one after the other. Press the **INT/3** button once more to activate normal playback. **Random playback of all titles (RDM - Random)** Press the **RDM/4** button. The display shows **RDM**. A random controlled playback is started. A repeat pressing launches the normal playback. **KH 2377 25 Handling and operation GB IE MP3 CDs functions Playback** The device can playback files in the **MP3** and **WMA** formats.

A mixture of titles and directories on the same level can result in problems when playing back. During playback the information from the **ID3** tag of the **MP3** files are read and are shown successively in the display. **Skip directory** Press the number button 6 to playback the next directory and/or the number button 5 to playback the previous directory. The name of the directory will appear briefly in the display after which playback begins automatically. **NOTICE** If files are located in the **CD's** main directory the directory name **ROOT** will be shown in the display.

Search functions Title number search Press the **AS/PS** button. The notice **MP3*** appears in the display. Turn the multi controller or press the numbers on the device and/or on the remote control to set the desired title number. Press the multi controller or wait 3 seconds to start playback of the set title.



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NOTICE If a title number is selected that does not exist the title with the largest title number will playback.

Title name search Press the AS/PS button twice. In the display the notice appears. Turn the multi controller until the desired letter appears. Press the multi controller to confirm the letter and to switch to the second letter of the title name. In this way up to 16 letters/characters can be entered. When you have set the desired character press the BAND/ENT button to show all titles that begin with the sought after character. 26 KH 2377 Handling and operation NOTICE If no titles are found that begin with the set character NO MEDIA will be shown briefly and you can carry out the setting again. Turn the multi controller to select a title and start playback with BAND/ENT. Search for directories Press the AS/PS button three times. The directory that is currently playing back appears.*

Turn the multi controller to switch between the available directories. Press the BAND/ENT button to select the currently shown directory. Playback of the first title from the selected directory starts immediately. GB IE USB port The device can process USB data carriers up to 16 GB. With this the directory structure may contain a maximum of 1024 folders, 4096 files and a directory depth of 8 levels. Connecting data carriers Open the protective cap from the USB port.

Connect your USB device to the port. The device searches for MP3 or WMA files on the data carrier and the notice USB appears in the display. Place the protective cap back on the USB port when no USB device is connected to avoid contamination. KH 2377 27 Handling and operation GB IE Playback and search functions The operations for playing files on the external data carrier as well as the search function are exactly the same as with MP3 CDs.

If the device is in a different mode (CD, Radio, AUX or MMC) you can select the USB data carrier with the MODE button. Card reader (SD/MMC) The device can process SD/MMC memory cards up to 2 GB and SDHC memory cards up to 32 GB. With this the directory structure may contain a maximum of 1024 folders, 4096 files and a directory depth of 8 levels. Connecting data carriers Slide a memory card into the memory card slot with the marking pointing to the right. Playback of the MP3 or WMA title on the memory card begins automatically.

Playback and search functions The operations for playing files on the external data carrier as well as the search function are exactly the same as with MP3 CDs. If the device is in a different mode (CD, Radio, AUX or USB) you can select the card reader with the MODE button. Record function NOTICE Please observe the legal regulations valid in your place of residence regarding the duplication of copyrighted works. In case of doubt please consult a specialist in your area. With your device you can record data from audio CDs, radio or external audio devices onto USB or SD/MMC data carriers and copy MP3 and/or WMA data from an MP3 CD onto USB or SD/MMC data carriers.

The data will be saved with the following notations: Title of audio CDs: Track001, Track002, ... Data from MP3 CDs: Music001, Music002, ... Radio recordings: Tuner001, Tuner002, ... Recordings have a bitrate of 128 kbps and a sampling frequency of 44 kHz.

28 KH 2377 Handling and operation Recording Place a memory medium into the card slot or connect a data carrier to the USB port. Insert the CD, if necessary, and/or switch on the external audio device. With the MODE button set the desired operation mode (CD, Radio, AUX). If necessary start playback of the external audio device. Hold down the SCAN/REC button until REC MMC or REC USB is displayed. In the operation mode CD, MMC ALL or USB ALL will be displayed. If no data carrier is connected, on which recordings can be made NO MEDIA will be displayed. Press the SCAN/REC button repeatedly until the desired recording option is displayed. When recording an audio CD you can make an additional setting depending on whether you want to record all titles from the CD (USB/MMC ALL) or only the current title (USB/MMC ONE). Start the recording by pressing the BAND/ENT button.

The audio data is now saved on the data carrier in the format that was set (MP3 or WMA). The preceding blinking "R" signals the recording. NOTICE When the selected data carrier is full recording automatically moves to the other data carrier as long as a corresponding data carrier is connected. To end the recording press briefly the BAND/ENT button once more. After which WAIT is shown briefly in the display, the recording is saved.

GB IE Copying data from an MP3 CD You can copy individual titles from an MP3 CD to an external USB data carrier or an SD/MMC memory card. Place a memory medium into the card slot or connect a data carrier to the USB port. Hold down, during playback of a title from an MP3 CD, the SCAN/REC button.

The notice COPY MMC and/or COPY USB appears. If no data carrier is connected, on which recordings can be made NO MEDIA will be displayed.

KH 2377 29 Handling and operation GB IE Press the SCAN/REC button several times to select either the copying option COPY USB (copying on USB data carriers) or COPY MMC (copying on SD/MMC cards). Start the copy process by pressing the BAND/ENT button. During the copy process COPY appears in the display and a percentage indicator from 01 - 100 shows the copying progress. After the notice COPY 100 the copying process is ended and playback of the MP3 title continues. Connecting an external audio device to the device Connect the audio output of an external audio device (i.e. an MP3 player) via a 3.5 mm stereo jackplug to the socket AUX IN on the front panel of the device. Select playback of the audio input by pressing, several times, the MODE button until AUX is shown in the display. Bluetooth operation The microphone unit must be connected to the device in order to use the Bluetooth functions.

In addition a mobile phone is required that supports the Bluetooth data transmission. Connecting the telephone to the device Activate the Bluetooth function on your mobile phone and conduct a search for Bluetooth devices. After a successful search the entry CarBT appears for the device in the display of the mobile phone. Select this entry for the connection and for the subsequent password request enter the password 1234 for the device. You may possibly have to confirm the connection structure once more. After a successful coupling CONN OK appears briefly in the device's display and the green LED on the microphone unit lights up. Using the microphone During the telephone call you will hear the caller via the speaker connected to the device. For optimal transmitting of your voice place the microphone unit close to you. Attach the microphone unit, for example, to the dashboard. For this purpose you can use the supplied sticky tape.

In this case clean beforehand dust and grease from the surface. The sticky tape can be used for securing on almost all smooth surfaces.



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30 KH 2377 Handling and operation NOTICE Do not mount the microphone in the vicinity of speakers otherwise the voice quality may deteriorate. GB IE Call accept/end With an incoming call you hear the call signal via your mobile phone, whilst in the device's display is shown the call number. You accept an incoming call by pressing the TALK button on the microbutton on the device and/or on the remote control.

phone unit or the You end the call by pressing the TALK button again on the microphone unit or the button on the device and/or on the remote control. Rejecting a call With an incoming call press the remote control to reject the call. button on the device and/or on the To call Press the button on the device and/or on the remote control. DIAL appears in the display. With the number buttons on the device and/or on the remote control enter the telephone number that you want to call.

Press the button again. The number is dialled and CALLING appears in the display. Redial Hold down the TALK button on the microphone unit or the button on the device and/or on the remote control for approx. 2 seconds. If previously no call number was selected via the number buttons on the device and/or the remote control the last selected mobile phone call number is dialled. If previously a call number was selected via the number buttons on the device and/or the remote control this call number is dialled. KH 2377 31 Handling and operation GB IE Caller lists Press the PHONE button on the device. CALL LIST appears in the display Press the PHONE button again. IN CALL appears in the display. Turn the multi controller to select between the following displays: IN CALL: Shows the last 20 incoming calls.

OUT CALL: Shows the last 20 outgoing calls. Press the PHONE button again. READING appears in the display and subsequently shows the last incoming (IN CALL) and/or dialled (OUT CALL) call number. Turn the multi controller or press the VOL button on the remote control to show the last 20 incoming and/or dialled numbers one after the other. Press the button on the device and/or on the remote control to select the dialled call number. button on the device and/or on the remote control to end Press the redialling and exit the caller list. Telephone book function You can transfer up to 20 contacts (Telephone book entries) from the connected mobile phone to the device and thus dial and call the contact from the device. NOTICE Details for the transference of the contact via Bluetooth can be obtained from the operating instructions of your mobile phone. Each transferred contact is filed in the memory slot PB01. The contacts that have already been transferred are automatically filed one memory slot further (PB02, etc).

Press the PHONE button on the device. CALL LIST appears in the display Turn the multi controller to select the display PH BOOK. Press the PHONE button again. READING appears in the display. Subsequently PB01 appears and the name and call number of the first memory slot is shown.

Turn the muti controller to select additional telephone book entries. button on the device and/or on the remote control to select Press the the dialled call number. Press the button on the device and/or on the remote control to end the call and exit the telephone book function. 32 KH 2377 Cleaning Deleting the caller lists and telephone book entries Press and hold the button on the device and/or on the remote control until RESET appears in the display. The Bluetooth connection to the mobile phone is severed and all telephone book entries and caller lists on the device are deleted.

GB IE Audio streaming (A2DP) The device uses the A2DP profile (Advanced Audio Distribution Profile) and therefore can playback your mobile phone's audio data. Select an audio file from your mobile phone and start the playback. In the device's display appears the entry A2DP and the audio data will be played back via the speakers connected to the device. NOTICE On the mobile phone it may possibly be necessary to switch playback via the Bluetooth stereo headset. Consult the operating manual of your mobile phone for more information. With a few mobile phones the device does not automatically switch to the A2DP mode. In this case you switch to the A2DP mode by pressing the MODE button several times until the notice BT MUSIC or A2DP appears in the display. AVRCP (Audio Video Remote Control Profile) The device uses the AVRCP profile thus facilitating the control of audio devices. With the PAU/I button on the device or the III/I button on the remote control you can stop and/or restart the playback of audio files on the mobile phone. With the buttons I or I on the device or on the remote control you can access the previous or next audio file on the mobile phone.

KH 2377 33 Cleaning GB IE Cleaning Safety instructions IMPORTANT Possible damage to the device Make sure when you are cleaning the device that no moisture gets inside in order to avoid irreparable damage to it. Display cleaning Clean the front panel of the device / the display exclusively with a soft, moist, lint-free cloth and a mild dish washing liquid. Disposal Disposal of the device Do not dispose of the device in your normal domestic waste. This product is subject to the European directive 2002/96/EC-WEEE (Waste Electrical and Electronic Equipment). Dispose of the device through an approved disposal centre or at your community waste facility. Observe the currently applicable regulations. In case of doubt, please contact your waste disposal centre. Disposing of the batteries Used batteries/rechargeable batteries may not be disposed of in household waste. Every consumer is legally obliged to dispose of batteries at a collection site in his community / city district or at a retail store. The purpose of this obligation is to ensure that batteries are disposed of in a non-polluting manner.

Only dispose of batteries/cells when they are fully discharged. 34 KH 2377 Troubleshooting Troubleshooting In this chapter you will receive important information for malfunction localization and remedies. Observe the instructions in order to avoid danger and damage. GB IE Safety instructions WARNING Observe the following safety information to avoid danger and property damage: Repairs to electronic devices may only be carried out by specialists who have been trained by the manufacturer. Considerable danger to the consumer and damage to the device can occur as a result of incorrect repairs.

Malfunction causes and remedies The following table will help with localizing and remedying minor malfunctions: Defect The device will not switch on Possible cause Solution The ignition is not switched on. Switch the ignition on by turning the key. The fuse is defective. Replace the fuse. The volume is set to minimum.

Increase the volume. No sound The cables are not connected Check the cable connections. correctly. The sound is switched off.



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A CD is already inserted into the device. The CD has been inserted the wrong way up. The CD will not load or eject The CD is dirty or defective. The temperature in the vehicle is too high. Condensation on the laser lens Press the MUTE button to switch the sound back on. Remove the CD.

Insert the CD with the inscribed side up. Clean the CD or insert a different CD. @@@@The face plate is not correctly installed. The mounting angle exceeds 30°. The CD is very dirty or defective. Solution Press the RESET button. Check to see that the face plate is installed correctly. Correct the mounting angle. Clean the CD or insert a different CD. Check the burnt CD in another playback device.

The antenna cable is not connected correctly. The station signals are too weak. Check the antenna cable for correct connection. Set the station manually. Check the cable connections.

@@@Not The device's USB all market available devices port does not conform to this standard. It function is possible that a device is connected that does not function according to the USB standard. The card reading The card is possibly defecdevice does not tive, dirty or not properly read the cards inserted. The mobile phone does not support Bluetooth transmissions. The mobile phone is not coupled with the device.

Connect a device that functions according to the USB standard. Make sure that the data carrier is formatted for the FAT32 file system. Check the card. Slide it in with the inscribed side facing to the right. Make sure that the data carrier has been formatted to the FAT32 file system. Reconnect the mobile phone and the device. For this also read, without fail, your mobile phone's instructions. The Bluetooth connection does not function NOTICE If you cannot solve the problem with the aforementioned methods, please contact Customer Service. 36 KH 2377 Appendix Appendix Technical data General Input voltage Input current Max. Impulse output Power rating (with 1% distortion factor) Operating temperature Humidity (no condensation) Dimensions (L x D x H): Weight Device fuse Automotive blade type fuse Radio frequency range Frequency FM (VHF) Frequency AM (MW) Station memory slots FM (VHF) Station memory slots AM (MW) Remote control Button cell battery (CR 2025) Audio input (AUX) Stereo jackplug USB port USB 1.

1 and 2.0 compatible data carrier Card slot SD/MMC memory card slot 3.5 mm 3 V 87.5 - 108 522 - 1620 18 12 MHz kHz Slots Slots 12 max. 10 4 x 40 4 x 13.5 +5 - +40 5 - 90 18.6 x 20.6 x 5.7 approx. 1480 10 VDC A W W °C % cm g A GB IE KH 2377 37 Appendix GB IE Declaration of EG conformity This device complies in regard to conformity with the basic requirements and other relevant regulations of the vehicle directive 2004/104/EC and the R&TTE directive 1999/5/EC.

The complete original declaration of conformity can be obtained from the importer. Warranty You receive a 3-year warranty for this device as of the purchase date. This device has been manufactured with care and meticulously examined before delivery. Please retain your receipt as proof of purchase. In the case of a warranty claim, please get in touch by telephone with our service department.

Only in this way can a post-free dispatch for your goods be assured. NOTICE The warranty adjustment is valid only for material or manufacturing defects not, however, for transport damage, wear and tear or for damage to breakable parts, i.e. switches or rechargeable batteries. The product is intended merely for private use and not for commercial purposes.

In the event of misuse and improper handling, use of force and interference not carried out by our authorized service branch, the warranty will become void. This warranty does not affect your statutory rights. The warranty period is not extended by repairs effected under warranty. This applies also to replaced and repaired parts. Damages or defects discovered after purchase are to be reported directly after unpacking, at the latest two days after the purchase date. After expiry of the warranty period incidental repairs are subject to payment. Importer KOMPERNASS GMBH BURGSTRASSE 21 44867 BOCHUM, GERMANY www.kompernass.com 38 KH 2377 Warranty Bluetooth Car Radio KH 2377 In order to guarantee a cost free repair procedure please get in touch with the service hotline. Ensure you have your sales slip handy.

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