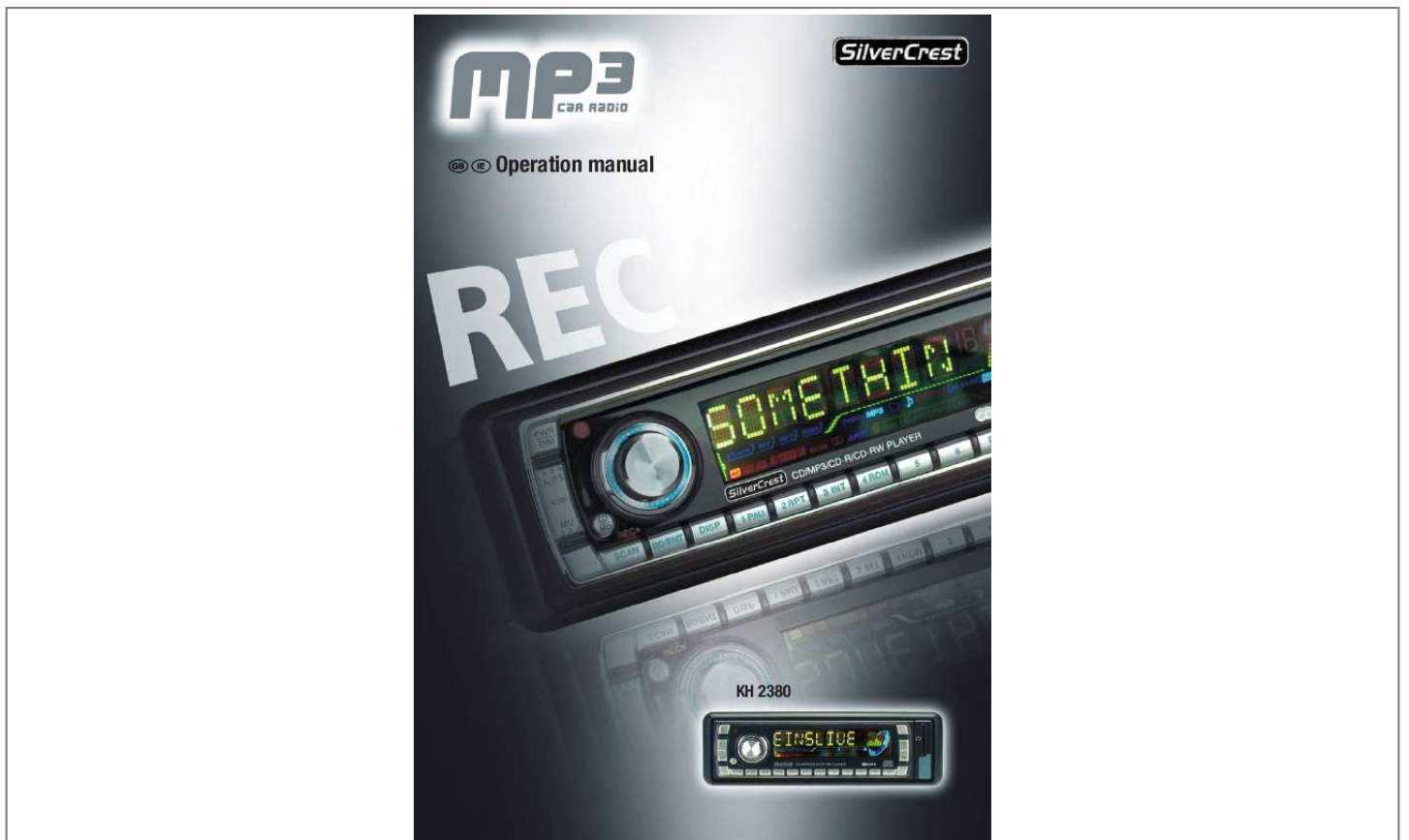




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You can read the recommendations in the user guide, the technical guide or the installation guide for SILVERCREST KH 2380 CAR RADIO. You'll find the answers to all your questions on the SILVERCREST KH 2380 CAR RADIO in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SILVERCREST KH 2380 CAR RADIO
User guide SILVERCREST KH 2380 CAR RADIO
Operating instructions SILVERCREST KH 2380 CAR RADIO
Instructions for use SILVERCREST KH 2380 CAR RADIO
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Page 24 Importer

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..... Page 24 GB/IE Introduction Car Radio KH 2380 L Introduction L L Equipment For your personal safety Please read the operating instructions carefully; to do so, unfold the pages featuring the illustrations.

Pay precise attention to the notes when taking the device into operation. Should you have any further questions on how to use this car radio recorder, please contact your national service point (see guarantee card). Store the operating instructions safely for later reference and hand them to third parties when passing your car radio recorder to a new user. L Proper Use The KH 2380 car radio is suitable for private use for receiving radio stations in the FM / MW / LW range and for playing back CD, CD-R, CD-RW, USB MemoryStick, MP3 Player, SD and MMC audio storage media. It is able to make recordings in WMA format on to SD, MMC or USB memory stick (not supplied) of the radio stations being played back.

The car radio has a removable control panel and an IR remote control device which can only be supplied with electricity by means of 1 lithium battery of type CR202, 3 V DC. The car radio may only be connected to the 12 V DC supply. The device is suitable for connecting to four loudspeakers with an impedance of 4-8 Ohm, a maximum of four power amplifiers (to the four speaker output channels) and a CD changer. Any careless use or use other than for the intended purpose will result in the guarantee becoming invalid. Front of the Control Panel (Fig.

A) 1 Control panel 2 Plastic frame 3 Display window 4 "Open" button 5 : "Skip" button (forwards) 6 9 "Skip" button (reverse) 7 AF "AF" button 8 TA "TA" button 9 PTY "PTY" button bl 6 "6" button bm 5 "" button bn 4 RDM "4 / RDM" button bo 3 INT "3 / INT" button bp 2 RPT "2 / RPT" button bq 1 PAU "1 / PAU" button br DISP "DISP" button bs BD / ENT "BD/ENT" button bt SCAN REC: "SCAN / REC" button bu · LD / MD "LD / MD" button cl MU "MU" button cm A / PS "A / PS" button cn PWR/DIM "PWR / DIM" button co Sensor (remote control) cp "SEL / VOL" control knob Reverse of the Control Panel (see Fig. B) cq Unlock mechanism 2 x cr Plug-in connection strip Front of the Car Radio (Control Panel removed) (see Fig. C) cs LED (red) / CD compartment ct Front cu CD compartment dl Connection socket dm Opening mechanism dn SD and MMC port do USB port dp Control panel attachment point 2 x dq LED (red) / power supply dr Reset button ds CD eject button 6 GB/IE Introduction Reverse of the Car Radio (see Fig. D) dt Metal housing with vents du ISO plug jack for loudspeaker connection el Plug-in for rear right loudspeaker (+) em Plug-in for rear right loudspeaker (-) en Plug-In for front right loudspeaker (+) eo Plug-in for front right loudspeaker (-) ep Plug-in for front left loudspeaker (+) eq Plug-in for front left loudspeaker (-) er Plug-in for rear left loudspeaker (+) es Plug-in for rear left loudspeaker (-) et Flat blade fuse socket eu Flat blade fuse 10 A f ISO plug jack to the 12 V DC power connection l (including connection of an automatic aerial) fm Plug-in for 12 V DC constant current fn Plug-in for electric aerial fo Plug-in for 12 V DC ignition current fp Plug-in for minus / earth connection in the vehicle fq DIN 8-pole plug jack (CD changer connection) fr Attachment screw (including M nut and washer) fs LINE IN R cinch plug jack (red / right) ft LINE IN L cinch plug jack (white / left) fu OUT / REAR cinch R plug jack (loudspeaker connection [red / rear right]) gl OUT / REAR cinch L plug jack (loudspeaker connection [white / rear left]) gm OUT / FRONT cinch plug jack (loudspeaker connection [red / front right]) gn OUT / FRONT cinch plug jack (loudspeaker connection [white / front left]) go Aerial socket Top of the Car Radio (see Fig. E) gp Transport safety screw 2 x Front of the Remote Control (see Fig. F) gq DIM POWER "DIM POWER / " button SEL "SEL" button gr gs VOL+ 9 TUNE / SEEK VOL - : "TUNE / SEEK" multifunction button: VOL+ gt gu hl hm hn ho hp hq hr hs ht hu il im in io ip iq LOUD MP3 D-DN D-UP MODE AS / PS 5 6 PTY TA / TP DISP SCAN RDM INT RPT PAU ENTER REC 4 3 2 1 BAND MUTE 9 : VOL- "VOL+" button (upper) Skip button (reverse) Skip button (forwards) "VOL" button (lower) "MODE / LOUD" button "MP3 / AS / PS" button "D-DN / " button "D-UP / 6" button "PTY" button "TA / TP" button "DISP" button "REC / SCN" button "4 / RDM" button "3 / INT" button "2 / RPT" button "1 / PAU" button "BAND / ENTER" button "MUTE" button Rear of the Remote Control (see Fig. G) ir Battery compartment is Battery holder it Unlock button S L cope of Supply 1 x Car radio (including control panel) 1 x IR remote control (including 1 x lithium battery of type CR202, 3 V DC) 1 x Plastic box (for control panel) 1 x DIN assembly bracket 2 x Installation key 1 x Anchoring plate (including attachment material) 1 x Set of instructions GB/IE 7 Introduction L Technical Information Car Radio Nominal voltage: 13.8 V DC (minus pole negative, connected to vehicle's chassis) Power consumption: max. 10 A Output: max. 4 x 20 W active power factor Distortion: - 40 dB (1%) Amplifier TAD 7386 4 band preset EQ Electronic master level for: Low-frequency and high-frequency sound, loudness, fade-in / fade-out, balance Pre-amplifier In (LINE IN) Input level: 77 mV = 0 dB Impedance: 47 k Ohm Pre-amplifier Out (LINE OUT) Output: 2000 mV Impedance: 4,7 k Ohm Sound control Bass frequency: 100 Hz ± 10 dB High frequency: 10 kHz ± 10 dB Connections ISO: 12 V DC ISO: loudspeaker (max).



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2 pairs) (4 - 8 Ohm) MP3 player or USB memory stick (USB 1.1 and 2.0) SD or MMC CD changer Max. four amplifiers Display Liquid crystal screen (8-digit alpha-numerical Dot Matrix LCD Display) Background lighting (colour blue, 2 dimming levels) 3 Band PLL Tuner Display: frequency band, radio stations, mono or stereo reception, pre-sets, activated EON, AF, TA / TP and mute function FM band (FM 1, FM 2, FM 3) Frequency band: 87. - 108 MHz Channel increment: 0 kHz Intermediate frequency: 10.7 MHz Stereo separation: 2 dB Noise cancellation: 0 dB Pre-set stations: 18 MW Band (MW 1, MW 2) Frequency band: 30 - 1600 KHz Interim frequency: 40 KHz Available sensitivity: 32 dB μ V Pre-set stations: 12 LW Band (LW 1) Frequency band: 144 - 290 KHz Interim frequency: 40 KHz Available sensitivity: 32 dB μ V Pre-set stations: 6 IR remote control Nominal voltage: 3 V DC Power supply: 1 x Lithium battery type CR202, 3 V DC Current consumption: approx. 30 mA Wave range: near-infrared 0.7 - 1.4 μ m Dimensions: 8 x 6 x 2 mm (L x H x W) L Audio Storage Media Play Data formats: MP3 with ID3, WMA compatible Media: CD, CD-R, CD-RW, SD, MMC, USB 1.1 and 2.

0 (stick or plug-in connection) Noise cancellation: > 60 dB Channel separation: > 0 dB Frequency range: 20 Hz - 20 kHz Display: Directory, file, track, album, artist, duration Search function: File, track and starting letter are displayed Recording Data formats: WMA Storage devices: SD, MMC or USB memory stick Playback source: 3-band PLL tuner Display: Directory, file, track, album, artist, duration 8 GB/IE Safety L Safety - and sustained temperature in excess of 0° C! Do not damage any lines carrying fuel or for electricity, brakes, hydraulics, water or data transfer when tightening the screws! Ensure that the 12 V DC constant current plugin fm the 12 V DC ignition current plug-in , foand possibly the powered aerial plug-in fn do not come into contact with a fuel line (e.g. petrol-carrying line)! Do not allow yourself to be distracted while driving by operating the car radio or from its displays! Familiarise yourself with its operation before driving and practise the safe use of the car radio's features! Set the volume only to such level that the sirens of emergency vehicles can be heard on time. Important specific notes on safety The following notes are for your safety and satisfaction in operating the device. Please observe that noncompliance with these safety notes may lead to substantial risks caused by accident.

Explanation of the icons and terminology used. c Danger! Avoid risk to life! m Caution! Avoid risk of injury and damage to property! Tip! What to do! c Danger! · Do not allow small children unsupervised near the packaging material! Risk of suffocation! · Do not allow infants and children unsupervised into the vicinity of the device! · Protect yourself against an electric shock! Avoid any short circuits duritures from the device. Please ensure that audio storage media used for playback are not exposed to condensation! Remove CDs, CD-Rs and CD-RWs from the device if the humidity is high and the ambient temperatures low. Use audio storage media only with completely dry surfaces. Store audio storage media outside of the device GB/IE 10 in an appropriate protective cover.

Obtain an overview of the most important specific terminology: i Receiver: Electronic receiver for radio broadcastings and sound data of storage media and simultaneously pre-amplifier. i Tuner: Receives and issues radio signals. i PLL (Phase-locked-loop): Electronic switching which enables precision reception of radio frequencies. i FM (Ultra-short wave): Band receiver for radio broadcasting (Frequency range: 87. - 108 MHz). i MW (Medium wave): Band receiver for radio broadcasting (Frequency range: 30 - 1600 KHz). i LW (Long wave): Band receiver for radio broadcasting (Frequency range: 144 - 290 KHz). i CD/CD-R / CD-RW (Compact Disc): Storage medium for sound and image data (disk ϕ approx. 120 mm). i USB (Universal Serial Bus): Universal interface for data transmission.

i SD (Secure Digital Card): Storage media for sound and image data (rectangular approx. 24 x 1 x 32 mm). i MMC (Multimedia Card): Storage media for sound and image data (rectangular approx. 24 x 1 x 32 mm). i MP3 (Moving Picture Experts Group Layer 3): Compressed audio format. i ID3: Additional information which provides details on track and artist of audio files (e.g. MP3). i WMA (Windows Media Audio): Compressed audio format. i LINE IN: Connection for feeding audio data into a HiFi device.

i LINE OUT: Connection to send out audio data from a HiFi device. i Cinch: Standardised plug connector to transfer electrical signals. i RDS (Radio Data System): Encrypted additional information broadcast by radio stations in addition to conventional music and language. i AF (Alternative frequency): Function to automatically receive the optimum frequency of the programme tuned into. · Safety / Preparation / Installation i i TA / TP (Traffic Announcement/Traffic Program): Function to receive traffic updates.

EON (Enhanced Other Networks): If TA / TP function is activated, while listening to a broadcasting of a radio station the programme switches automatically as soon as traffic updates are broadcast. Traffic updates are then broadcast at a pre-set volume. PTY (Program Type): Function to receive special program (e.g. rock music).

HiFi (High Fidelity): Quality standard for audio replay devices. DIN 8 pole plug: adapter to connect electronic HiFi device in accordance with DIN standard (e. g. CD changer connection to a MP3 car radio recorder). ISO plug: Adapter to connect electronic HiFi devices in accordance with International Organization for Standardization. To connect a final amplifier you require: 2 x Cinch connecting cable (insulation and plug: white / red) For the connection of a portable audio device you require: 1 x Cinch connection cable / 3. mm jack (insulation and plug: white / red) To record MP3 or WMA formats you require: 1 x MMC approx. 1 GB storage capacity or 1 x SD approx. 1 GB storage capacity or 1 x USB memory stick approx. 1 GB storage capacity i i i L Installation L · · L Preparation Removing the control panel from the car radio Avoid hard contact with the display window 3 .

Press the "Open" button 4 and allow the control panel l to reach the horizontal position. Push the control panel l slightly to the left and pull it forwards. Store the control panel in the plastic box (see also the illustration in the section "Attaching the Control Panel"). The following auxiliaries and tools are required for the connection and for the assembly, which are not included in the delivery: 1x 1x 1x 1x 3x 1x 9x 1x 1x 1x 1x ISO plug to connect car's loudspeaker ISO plug to make 12 V DC connection Powered aerial connection with connector Pair of loudspeakers impedance 4 - 8 Ohm, (incl.



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feed line) Fuse holder with fuse 1 A DIN assembly cut-out in car's instrument panel Biscuit connectors Stripping tongs or cable stripping knife Screw driver
Spanner with 8 mm opening Biro · · L Installation of the DIN assembly bracket into the car's instrument panel · To connect an antenna already installed in the
vehicle you may need: 1 x Antenna adapter (in accordance with the Technical Data for the antenna) To connect a CD changer you require: 1 x Connecting
line with DIN-8-pole plug · · Completely unscrew the safety transport screws from the metal casing (see Fig. E) and carefully remove the plastic frame 2
from the front of the device. Release the attachment points by slightly raising the upper frame edge and pulling it carefully towards the front. Push the two
installation keys between the GB/IE 11 Installation metal housing and the preassembled DIN assembly bracket until they clearly lock in place. Ensure that
the convex side faces outwards in each case. Store the installation keys carefully for future use.

Remove the DIN assembly bracket and place it flush in the DIN assembly cut-out of the vehicle's instrument panel. Secure the DIN assembly bracket against
removal. Bend approximately ten tin dog points on both the upper and lower side of the DIN assembly bracket from the inside towards the outside. Please
ensure that the DIN assembly bracket is installed flush in the DIN assembly cut-out. Attach the plastic frame 2 completely to the front of the device. ·
L Connection with car's 12 V DC power supply · · L · Connection to the car's loudspeaker Tip! Use an ISO plug. Lead the connecting cables for the speakers
already installed in the vehicle carefully out of the DIN mounting frame at the front. Hook up the connecting cable of the ISO plug with the connecting cable
of the loudspeakers fitted in the car with the help of eight biscuit connectors. Ensure that the connection of the eight biscuit connectors does not cause any
short circuits and that the fixing screws are firmly tightened. Hook up the connecting lead of the plug in el with the (+) lead for the rear right loudspeaker.
Hook up the connecting lead of the plug in em with the (-) lead for the rear right loudspeaker. Hook up the connecting lead of the plug in en with the (+) lead
for the front right loudspeaker. Hook up the connecting lead of the plug in eo with the (-) lead for the front right loudspeaker. Hook up the connecting lead of
the plug in ep with the (+) lead for the front left loudspeaker. Hook up the connecting lead of the plug in eq with the (-) lead for the front left loudspeaker.
Hook up the connecting lead of the plug in er with the (+) lead for the rear left loudspeaker. Hook up the connecting lead of the plug in es with the (-) lead for
the rear left loudspeaker. GB/IE c Danger! · Before hooking up to the car's 12 V DC power supply consult the vehicle's operation manual on how to observe
electrical safety! · Ensure that when connecting the 12 V DC power supply there is no voltage on the vehicle's connecting cords. Do not damage any safety
facilities, e.g.

board computer and alarm system of vehicle. · Connect the 12 V DC power supply with the 3 x 1 A fuse holders! · During vehicle installation ensure that the
vehicle is out of operation and is in safe standstill! Turn off the ignition and bring the vehicle into parking position with activated hand-brake! · During
connection, use tools with double-insulated handle! · Avoid electrical short circuits when connecting to the 12 V DC power supply. · Connect the car radio
with the 12 V DC power supply while fully protected against humidity! Tip! Use an ISO plug. · Ensure that the fault-free flat blade fuse 10 A eu is inserted all
the way to the catch of the flat blade fuse socket. Carefully guide the connecting cable to hook up the 12 V DC power supply through the front out of the
DIN assembly bracket. Connect the ISO plug with the connecting cables of the 12 V DC power supply with the 3 x 1 A fuse holders. Ensure that the
connections of the 3 x 1 A fuse holders do not cause any short circuits and that the fixing screws are firmly tightened. Connect the cable for the 12 V DC
constant current plug-in f using a 1 A safety holder with the vehicle's connecting cable for the 12 V DC constant current. Optional - only if an electric aerial
is connected: Using one 1 A fuse holder each, connect the cables for the 12 V DC ignition current and electric aerial f n plug-ins to the connection · · · · ·
· · · · 12 Installation cable for 12 V DC ignition current of the vehicle. In this manner the car radio and an electric aerial can only use current from the vehicle
when the ignition is switched on.

Connect the cable for the vehicle's minus/ ground connection plug-in f p with the help of a biscuit connector with the car's connection cable for the minus pole
(battery's minus pole which by standard is connected with the car's chassis). cable as far as it will go into the OUT / REAR cinch R plug jack (amplifier
connection [red / rear right]) f u . Then insert the two red plugs of the first cinch connection cable as far as it will go into the REAR cinch R plug jack
(amplifier connection [red / rear right]) of the amplifier. Insert the white plug of the first cinch connection cable as far as it will go into the OUT / REAR
cinch L plug jack (amplifier connection [white / rear left]) g l . Then insert the second white plug of the first cinch connection cable as far as it will go into the
REAR cinch L plug jack (amplifier connection [white / rear left]) of the amplifier.

Insert the red plug of the second cinch connection cable as far as it will go into the OUT / FRONT cinch plug jack (amplifier connection [red / front right])
g m . Then insert the second red plug of the second cinch connection cable as far as it will go into the FRONT cinch plug jack (amplifier connection [red /
front right]) of the amplifier. Insert the white plug of the second cinch connection cable as far as it will go into the OUT / FRONT cinch plug jack (amplifier
connection [white / front left]) g n . Then insert the second white plug of the second cinch connection cable as far as it will go into the FRONT cinch plug jack
(amplifier connection [white / front left]) of the amplifier. · · · L Connection with CD Changer Tip! Use a connecting cable with DIN 8-pole plug.

· · A standard CD changer with DIN 8-pole connector can be connected to the device. · Install the connecting cable with the DIN 8-pole plug in accordance
with its operation manual in the car. Guide the connecting cable with the DIN 8-pole plug to the CD changer and carefully out of the front of the DIN
assembly bracket.



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Insert the DIN 8-pole plug of the connecting cable until it catches into the DIN 8-pole plug jack AUX fto the rear of the casing. Insert the DIN 8-pole plug to the other end of the connecting cable until it catches into the DIN 8-pole plug-jack AUX of the CD changer. L Connection of an amplifier L Connecting a portable audio device Tip! Use two cinch connection cables (insulation and plug: white / red). One amplifier per speaker output channel can be connected to the device. . . Install the two cinch connection cables in the vehicle according to their operating instructions. Pass two cinch connection cables to the amplifier and carefully out of the front of the DIN assembly bracket. Insert the red plug of the first cinch connection For establishing a cinch connection to any audio source the headphone output (3.

mm stereo jack) of any audio device (e.g. MP3 player) can be connected to the car radio. Use a 3. mm jack plug connection cable to 2x cinch plugs. . Guide the cinch connection cable to the portable audio device and carefully out of the front of the DIN assembly bracket. Insert the red plug of the cinch connection cable as far as it will go into the LINE IN R GB/IE 13 . . Installation / Operation . cinch plug jack [red / rear right] fs . Insert the white plug of the cinch connection cable as far as it will go into the LINE IN L cinch plug jack [white / rear left] ft . Then insert the 3. mm stereo jack into the headphone output of the audio device.

In order to play back the sound, press the . LD / MD button buuntil the letters AUX appear in the display window. For operation of the external device, please see its operating instructions. anchoring plate and the attachment material to the engine fire wall of the vehicle. Ensure that all cables are properly connected and that the power supply is working correctly. The LED (red) / power supply dqflashes.

Use the tip of a ballpoint pen to press the reset button dron the front of the device (see Fig. C). L . Attaching the control panel Remove the control panel from the plastic box. Avoid hard contact with the display window 3 . Place the rear left-hand edge of the control panel Ton the control panel attachment point dpon the front of the device.

Ensure that the plug-in connection strip cris positioned in front of the connection socket dl . Carefully press the rear right-hand edge of the control panel Iagainst the control panel attachment point dpuntil it distinctly locks into place. Fold the control panel Iupwards and allow it to lock into place. L . Connecting to the aerial of the motor vehicle Guide the connection cable of the vehicle aerial carefully out of the front of the DIN assembly bracket up to the car radio. Insert the plug of the connection cable of the vehicle aerial as far as it will go into the aerial socket goof the car radio. If necessary, use an aerial adapter in accordance with the technical data of the aerial. If present: Connect the 12 V DC connection cable of an electric aerial to the electric aerial fn plug-in. L . Attaching to the DIN assembly bracket Insert the rear of the car radio together with the connected cables carefully into the DIN assembly bracket. Ensure that no objects are able to cover the vents of the metal housing dt . Ensure that there is no connection cable between the metal housing dand the DIN assembly bracket.

Prevent the cables from becoming caught, as any damage may result in a short circuit and malfunctioning of the device or the vehicle's electronic system. Push the car radio into the DIN assembly bracket until it distinctly locks into place. You should also secure your device against theft. Fix the attachment screw frwith the GB/IE . . L Operation L . Switching on Press the PWR / DIM button cn . . The factory settings of the device are as follows: . The word [WELCOME] appears in the display window 3 . . The buttons are illuminated in blue (these can be adjusted on two levels). 14 Operation . Press the PWR / DIM button cband adjust the brightness (dimming). - The tuner is activated and [FM 1] (1st FM band), 87.0 (station frequency) appears in the display window 3 [EON] and [AF] flash. .

- The loudspeakers play back the reception from the tuner. Turn the "SEL / VOL" control knob cpto adjust the volume as desired. . . [BAL] appears in the display window 3 Turn the "SEL / VOL" control knob cpto set the desired balance. Values between [8L] and [8R] can be selected. The mean value is [0]. . L . Turning off Press and hold the PWR / DIM button cn two for seconds. @@@@ Values between [8F] and [8R] can be selected. The mean value is [0]. Your settings are automatically stored.

@@@@@ Values between [-7] and [7] can be selected. @@@@ Values between [-7] and [7] can be selected. @@@@ADJ: Time display. @@@@@@ acoustic pattern of your setting for [BAS] and [TRE] is selected. . Turn the "SEL / VOL" control knob cpuntil [CLAS] appears in the display window 3 the ; acoustic pattern for classical music is selected. . Turn the "SEL / VOL" control knob cpuntil [ROCK] appears in the display window 3 the ; acoustic pattern for rock music is selected. . Turn the "SEL / VOL" control knob cpuntil [POP] appears in the display window 3; the acoustic pattern for pop music is selected. . Turn the "SEL / VOL" control knob cpuntil [FLAT] appears in the display window 3 the ; acoustic pattern for speech is selected. Your settings are automatically stored. The device automatically changes back to playback mode after five seconds.

L . . continues as before the MUTE function was activated and [MUTE] disappears from the display window 3 . Loudness Function The loudness function increases the playback level of the bass sounds when the volume is low. . Press the . LD / MD button buand keep it held down for approximately 2 seconds. The loudness function is activated, [LOUD ON] appears in the display window 7followed by [LOUD]. . Turn the "SEL / VOL" control knob coagain. [LOUD OFF] appears in the display window. . Press the . LD / MD button buagain and keep it held down for approximately 2 seconds. The loudness function is deactivated, [LOUD OFF] appears in the display window 3followed by [LOUD]. L Setting the 3-Band PLL Tuner Adjusting volume Increase the volume by turning the "SEL / VOL" control knob cpclockwise. Reduce the volume by turning the "SEL / VOL" control knob cpcounter clockwise. Press the . LD / MD button buuntil TUNER appears in the display window 3 .



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You can select 3 x FM frequency bands (FM1, FM2 and FM3), 2 x medium wave frequency bands (MW1 and MW2) and 1 x long wave frequency band. Each frequency band has six presets on which you can store radio stations. · Press the BD / ENT button and select the frequency band you wish to receive. In the display window 3 you will now see the designation of the frequency band (e.

g. [FM2]), the frequency (e.g. [99.20]) of a radio station that is being received or the programme ID during stereo reception and [TP] for traffic information. Automatic Station Search · Start the station search at lower frequencies by briefly pressing the 9 button 6 The . tuner automatically plays back the next radio station that it receives and shows the information in the display window 3 . · Start the station search at higher frequencies by briefly pressing the : button 5 The . tuner automatically plays back the next radio station that it receives. Mute Function The mute function enables you to turn off the loudspeakers. · Press the MU button cl Playback is muted . and [MUTE] appears in the display window 3 . · Press the MU button cl again. Playback 16 GB/IE Operation Manual Radio Station Search · Press the 9 button 6 or : button 5 in order to activate the manual station search. [MANUAL] appears in the display window 3 .

· Press the 9 button 6 and keep it held down until the desired lower frequency is displayed. Touch the 9 button 6 lightly to approach the desired frequency step by step. · Press the : button 5 and keep it held down until the desired higher frequency is displayed. Touch the : button 5 lightly to approach the desired frequency step by step. If you do not use the 9 button 6 or : button 5 within five seconds the device changes to the automatic station search. [AUTO] appears in the display window 3 . You can determine the storage location of the radio station being received. · Press the button of the desired storage location for approximately 2 seconds: You can determine the storage location of the radio station being received. You can store the stations on whichever storage location you wish. In order to do so, press the button of the desired storage location within the five seconds in which the information flashes: 1 PAU 2 RPT 3 INT 4 RDM 5 6 · button bq button bp button bo button bn button bm button bl Information on the storage location appears in the display window 3 .

Playing Back the Stored Stations Press the button of the stored radio station that you wish to listen to: 1 PAU 2 RPT 3 INT 4 RDM 5 6 button bq button bp button bo button bn button bm button bl 1 PAU 2 RPT 3 INT 4 RDM 5 6 button bq button bp button bo button bn button bm button bl The number of the storage location appears in the display window 3 . Automatic Radio Station Search and Storage This function searches automatically for six radio stations within the selected frequency band whose field strength is sufficient. · Press the A / PS button cmin order to start the preset scan (PS) function. The radio station search plays one of the radio stations that can be received for seconds. Information on the radio station being received flashes in the display window 3 together with the number of the storage location, e.

g. [4]. The car radio stores the radio station on storage location 4. Including Traffic Information in Playback · Activate the EON function (see chapter: "Selecting and Adjusting Playback Functions"). · Press the TA button 8 once in order to include traffic information in playback. [TA] appears in the display window 3 if the radio station to which you are listening transmits traffic information. [TA] flashes in the display window 3 if the radio station to which you are listening does not transmit any traffic information. For the duration of the traffic information being transmitted the tuner switches automatically within the same radio company to the radio station transmitting the traffic information. Note: When traffic information is transmitted CD playback is interrupted and then started again automatically. GB/IE 17 Operation · Press the TA function off. button 8 again to switch this [TRAVEL] [LEISURE] [JAZZ] [COUNTRY] [NATION M] [OLDIES] [FOLK M] [DOCUMENT] [TEST] [ALARM] · AF Function (Alternative Frequencies) This function makes it possible for the tuner to permanently optimise reception of a radio station. · Press the AF button 7 [AF] appears in ; the display window 3 The tuner searches for . and receives the optimum frequency that can be received on which the radio station being played back is transmitted. · Press and hold down the AF button 7 so that [REG ON] appears in the display window 3 . The tuner searches within the surrounding region for identical radio stations of the radio company.

· Press the AF button 7 [REG OFF] appears . in the display window 3 The tuner searches . for all radio stations PTY Function Select this function in order to receive stations with special programme categories. · Press and hold down the PTY button 9 the ; following programme categories appear in the display window: [NEWS] [AFFAIRS] [INFO] [SPORT] [EDUCATE] [DRAMA] [CULTURE] [SCIENCE] [VARIED] [POP M] [ROCK M] [EASY M] [LIGHT M] [CLASSICS] [OTHER M] [WEATHER] [FINANCE] [CHILDREN] [SOCIAL] [RELIGION] [PHONE IN.] 18 GB/IE (general information) (breaking news) · Immediately after that turn the „SEL / VOL" control knob cp and select the desired programme category. Then press the PTY button 9 . [PTY] appears in the display window 3 if the function is activated. If no suitable station is found at the time, „NOT FND" appears in the display window and the station you were listening to previously is received again. DISP Function · Press the DISP button br the display ; window 3 now shows the current time, station, frequency, PTY, artist, track, info (depending on the radio station you are listening to). L L Playing from audio storage media CD, CD-R and CD-RW Tip! Use the highly sensitive CD-R, CD-RW in accordance with their operating instructions! Avoid interruptions while playing audio storage media! Clean the CD, CD-R and CD-RW before use with a dry anti-static cloth, wiping from the centre toward the edge of the disk! Ensure that the playing of audio storage media is not interrupted by condensation! Remove the CD, CD-R, CD-RW in the case of high humidity and low ambient temperatures from the device.

Use audio storage media only with completely dry surfaces. Store audio storage media outside of the device in an appropriate protective cover. Operation Inserting a CD · Press the "Open" button 4 The control panel 1 . folds forwards. The LED (red) / CD compartment cs and the CD eject button ds light up in red.

· Ensure that there is no CD, CD-R or CD-RW in the CD compartment cu .



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· In order to do so, press the CD eject button ds . · If you would like to listen to a CD, CD-R or CD-RW, insert it carefully into the CD compartment cu . The device draws the CD, CD-R or CD-RW in . · Please ensure that the side on which the audio data are to be found is facing downwards.
· Fold the control panel l upwards and allow it to lock into place. [TOC READ] appears in the display window 3 (the list of contents is read in). Playback begins automatically and information on the track number, running time, artist and track (MP3 data) appears in the display window 3 . Selecting Tracks You can define the sequence of playback. · Press the 9 button 6 to jump to the previous track. · Press the : button 5 to jump to the next track. Accessing Track Passages Within a track you can access previous or subsequent passages. · Press and hold down the 9 button 6 in order to access a preceding passage within a track. · Press and hold down the : button 5 in order to access a subsequent passage within a track. As soon as the button used is released, playback continues from the accessed passage Select a track by storage location (Only possible with MP3 data) · Press the A/PS button cm On the display 3 .

the third pre-set position flashes [001]. · Turn the „SEL / VOL" control knob cp select the , third pre-set position of the desired track and press the „SEL / VOL" control knob cp On the . display 3 the second pre-set position flashes. · Turn the „SEL / VOL" control knob cp select the second pre-set position of the desired track and press the „SEL / VOL" control knob cp On . the display 3 the first pre-set position flashes. Turn the "SEL / VOL" control knob cp select the , first figure of the storage location for the desired track and press the "SEL / VOL" control knob cp . Press the BD / ENT button bs and the desired tracks will be played. · Select a track by file name · Press the A/PS button cmtwice. On the display 3 the first position of the file entry [A**] flashes. · Turn the "SEL / VOL" control knob cp select the , first position of the file (number / letter) of the desired track and press the "SEL / VOL" control knob cp On the display 3 the second position of the file flashes. · Turn the "SEL / VOL" control knob cp select the , second position of the file of the desired track and press the "SEL / VOL" control knob cp On . the display 3 the third position of the file flashes. · Turn the "SEL / VOL" control knob cp select the , third figure of the file information for the desired track and press the "SEL / VOL" control knob cp . · Press the BD / ENT button bsonce to display the file details (e.

g. [VAN]). · Turn the "SEL / VOL" control knob cp and select the desired track. · Press the BD / ENT button bsonce; this is followed by the playing of the desired file. Changing the Folder Sequence You can only use this function with CDs, CD-Rs, CD-RWs, a USB stick or SD / MMC if these contain MP3 data and are arranged in folder structures.
· Press the 5 button b and the folder before the one currently being played back is started. · Press the 6 button bland the folder after the one currently being played back is started GB/IE 19 Operation Selecting Folders You can only use this function with CDs, CD-Rs, CD-RWs, a USB stick or SD / MMC if these contain MP3 data and are arranged in folder structures. · Press the A / PS button cmthree times. The folder currently being played back is shown in the display window. · Turn the „SEL / VOL" control knob cp and select the desired folder. · Press the BD / ENT button bs and the first track of the selected folder is played back. Pause · Press the 1 PAU button bqto temporarily interrupt playing. · Press the 1 PAU button bqagain to resume play mode. Removal · Press the "Open" button 4The control panel 1 . folds towards the front.

Press die CD eject button ds and the CD, CD-R or CD-RW is pushed out of the CD compartment cu Remove the CD, CD-R or CD-RW . within seconds. Otherwise this is drawn back into the device. Memory Stick, MP3 Player or SD / MMC m Caution! Optimum data transfer at the USB port docan only be guaranteed with a USB memory stick. Due to the large number of USB memory sticks available it is not possible to guarantee compatibility with current and future USB products. Tipp! Use the USB memory stick / MP3 player or SD / MMC in accordance with their operating instructions! L SB U Repeat · Press the 2 RPT button b and the currently playing track is constantly played. The display 3 reads [RPT ONE]. This is followed by the repeated play of the current track. · Press the 2 RPT button bp again. The display 3 Insertion · Insert the USB plug of the USB audio storage reads [RPT DIR]. This is followed by the medium (MP3 player or USB memory stick) repeated play of the current folder. (with data in MP3 or WMA format) completely · Press the 2 RPT button bp again. The display 3 into the USB port do reads [RPT ALL]. This is followed by the . repeated play of all tracks.
or · Insert the SD / MMC (with data in MP3 or WMA Interval format) completely into the SD and MMC port dn · Press the 3 INT button boto play the first (see illustration on the device). seconds of all tracks. · Please ensure that the flattened corner is facing [INT] appears in the display 3 downwards and the contact surface to the left. · Press the 3 INT button bo again to resume Playback regular play mode.
Playback begins automatically and the following [INT] disappears from the display 3 . information appears in the display window 3 : Random play track, running time, memory frequency, artist and · Press the 4 RDM button bnto play the tracks status of the storage locations. · If the USB stick is already in the USB port do at random. [RDM] appears in the display 3 . · Press the 4 RDM button bn again to resume press the · LD / MD button bu until [USB] regular play mode. appears in the display window 3 . [RDM] disappears from the display 3 or . · If there is an SD / MMC (with data in MP3 format) in the SD and MMC port dn press the , · LD / MD button bu until [SD / MMC] appears 20 GB/IE Operation in the display window 3 . For the following operations please see the following chapter: Playing back from Audio Storage Media / CDs, CD-Rs and CD-RWs: Selecting tracks Accessing track passages Selecting tracks on the basis of the storage location Selecting tracks on the basis of the file name Changing the folder sequence Selecting folders Pause Repeat Scanning Random Playback Recording from the Tuner · Insert an SD or MMC into the SD and MMC port dn . or Insert a USB memory stick into the USB port do .

· Use the · LD / MD button buto select playback from the 3-band PLL tuner.



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Starting Recording · Press the BD / ENT button and keep it pressed for two seconds. [REC MMC] appears in the display window 3 (if an SD or MMC is used), or [REC USB] appears in the display window 3 (if a USB memory stick is used). · Press the BD / ENT button and [RECORD] appears in the display window 3. Then [R] appears (flashing), followed by information on the storage location (e.g. [01]) and the length of the recording (e.g. [19.58]). Stopping Recording · Press the BD / ENT button and . Recording from Audio CD · Insert an audio CD into the CD compartment and . Insert an SD or MMC into the SD and MMC port and .

or Insert a USB memory stick into the USB port and . · Use the · LD / MD button but to select CD mode. · Select the track you wish to record. Starting Recording · Press the SCAN REC · button and keep it pressed for two seconds. [REC MMC] appears in the display window 3 (an SD or MMC is used), or [REC USB] appears in the display window 3 (if a USB memory stick is used). The following properties are possible by pressing the SCAN REC · button repeatedly (depending on whether an SD / MMC or a USB stick is used) · MMC ALL- all the tracks are recorded on SD / MMC. · USB ALL- all the tracks are recorded on USB. · MMC ONE - the current track is recorded on SD / MMC. GB/IE 21 Disconnecting · Remove the USB memory stick completely from the USB port and . or · Press the SD / MMC in the SD and MMC port and in order to unlock it. · Remove the SD / MMC completely from the SD and MMC port and . L Recording / Storing / Deleting on SD, MMC or a USB Memory Stick You can store recordings from the tuner (radio) or an audio CD / MP3 / WMA CD on an SD, MMC or USB memory stick. The recordings are made in the same order and end automatically when the memory is completely full. All recordings are made in WMA format.

Note: (REC MMC), (COPY MMC), (MMC ALL) and (MMC ONE) functions are only possible if an SD or MMC is used. Note: (REC USB), (COPY USB), (USB ALL) and (USB ONE) functions are only possible if a USB memory stick is used. Operation / Promote Control · · USB ONE - the current track is recorded on USB. Press the BD / ENT button and [RECORD] appears in the display window 3 followed by [R], (flashing), information on the storage location (e.g. [01]) and the length of the recording (e.g. [19.58]).

· Press the SCAN REC · button and keep it pressed for two seconds. [DELETE] appears in the display window 3. Press the BD / ENT button and the current track is deleted automatically. · Stopping Recording · Press the BD / ENT button and . Recording from MP3 / WMA-CD · Insert an MP3 / WMA CD into the CD compartment and . Insert an SD or MMC into the SD and MMC port and . or Insert a USB memory stick into the USB port and . Use the · LD / MD button but to select CD mode. · Select the track which you would like to record.

Starting Recording · Press the SCAN REC · button and keep it pressed for two seconds. [COPY MMC] appears in the display window 3 (if an SD or MMC is used), or [COPY USB] appears in the display window 3 (if a USB memory stick is used). The following properties are only possible by repeatedly pressing the SCAN REC · button and (depending on whether an SD / MMC or USB stick is used) · COPY MMC- the current track is recorded on SD / MMC. · COPY USB- the current track is recorded on USB. · Press the BD / ENT button and [COPY] appears in the display window 3. Then the percentage of the storage medium that is used up is displayed. Stopping Recording · Press the BD / ENT button and . Starting Delete · Use the · LD / MD button but to select the SD / MMC mode.

22 GB/IE L Promote Control You can also operate the device with the remote control. Tip! Familiarise yourself with use of the similar buttons on the remote control (see Fig. F). Please see the layout of the control panel 1 for the functions. Ensure that the front edge of the remote control is pointing in the direction of the sensor on the control panel 1. · Please note that the AF function only works with the AF button 7 on the control panel 1. · Please also note the modified procedure for: Adjusting the Volume · Increase the volume by pressing the VOL+ button and . · Reduce the volume by pressing the VOL- button and .

Insert the battery · Activate the unlock button and pull the battery holder out from the battery compartment and (see Fig. G). · Place a Lithium battery type CR202, 3 V DC into the battery holder so that one side marked with "+" faces up. Then slide the battery holder into the battery compartment until it distinctly catches. Troubleshooting / Maintenance and Service L Troubleshooting E Error e Cause E Remedy e The device is broken. E Please contact the service centre for your country (see guarantee card). E The stored stations do not remain stored if the control panel is removed or the engine turned off.

e The connections for 12 V constant current fm and 12 volt ignition current fph have been mixed up on the ISO plug in the vehicle (various layouts of the respective manufacturers). As soon as the ignition is switched off the internal memory of the radio no longer has any power supply. E The colour coding of the stated cables must be red and yellow. In this case swap over the connections for 12 V constant current fman and 12 volt ignition current fo. Some manufacturers provide the opportunity of swapping the two cables by means of preassembled plug-in connectors.

A further possibility is to purchase an additional ISO adapter (plug on socket) with plug-in connectors from a specialist shop and also to swap over the two contacts (red and yellow). This work should only be carried out by a professional electrician. E The device can not be switched on or the display 3 indicates [ERROR]. e The connections for the 12 V DC power supply are faulty. E Check that the wiring of the device is correct (see the section on "Connecting to the Vehicle's 12 V DC Power Supply"). Then press the RESET button and with the tip of the ballpoint pen. or e The 10 A eu flat blade fuse in the flat blade fuse socket and is broken. E Replace the broken flat blade fuse with a new 10 A flat blade fuse. Then press the RESET button and with the tip of the ballpoint pen. or e A 1 A fuse of the fuse holder of the 12 V DC power supply is broken.

E Replace the broken fuse with a new 1 A fuse. Then press the RESET button and with the tip of the ballpoint pen. If the fuse is broken again, check that the wiring is correct. or e The device is broken. E Please contact the service centre for your country (see guarantee card). E The device cannot be operated. e The control panel 1 is wrongly connected. @ @ @ or e The battery of the remote control is flat. @ @ @ @ @ or L Maintenance and Service · · Switch off the device.



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The device is maintenance free.

Clean plastic surfaces of the device and of the remote control with a dry cloth. Do not use solvents or other aggressive cleaning agents. Changing the battery of the remote control · Activate the unlock button and pull the battery holder irfrom the battery compartment iq(see Fig. G). · Place a Lithium battery type CR202, 3 V DC into the battery holder irso that one side marked with "+" faces up.

Then slide the battery holder irinto the battery compartment iquntil it distinctly catches. GB/IE 23 Maintenance and Service / Disposal / Information L Disposal The packaging material comprises 100 % environmentally friendly materials which can be disposed of at local recycling points. Do not dispose of electronic appliances in household waste! In accordance with the European Directive 2002 / 96 / EG on Waste Electrical and Electronic Equipment and its implementation into national law, waste electrical appliances must be separately collected and recycled in an environmentally friendly manner. Information on disposal options for waste electrical equipment can be obtained from your local or municipal administration. Battery Disposal You as the end consumer are statutorily obliged (battery code) to return all used batteries.

Batteries containing hazardous materials are marked with the following symbol, which indicates their prohibition of being disposed of with regular household waste. The designations for the decisive heavy metal are: Cd = Cadmium, Hg = Quicksilver, Pb = Lead Please take used batteries to a disposal facility of your town or municipality or return to the dealer. In doing so you meet a statutory obligation and contribute substantially to the protection of our environment. L Information L Important warranty notes Thank you for deciding on buying a Silvercrest product with a 36-month warranty (from the date of purchase). Please read the documentation enclosed with the product carefully before use. Should there be a complaint or hardware disturbance, in spite of the high quality level of the device, you have the option of contacting the service hotline. If there is no telephonic solution, you will receive a processing number (RMA) as well as the address where you can send your product for processing the warranty. In case you are sending in the product, please enclose a copy of the purchase receipt. The device should be packed in a manner that is safe for transport and the RMA number should be directly visible. Products sent in without the RMA number cannot be processed.

Note: Your warranty claims are not limited by the warranty. L Importer Kompernaß GmbH Burgstr. 21 D-44867 Bochum Germany Subject to technical changes due to further development. 24 GB/IE Garantiekarte Guarantee MP3 Car Radio KH 2380 Complete this in full and include with the device! Kompernass Service United Kingdom 08707/876177 Kompernass Service Ireland 087-99 62 077 www.mysilvercrest.de To warrant a free repair please contact the service hotline. Hold you purchase receipt ready. Please write return address in capital letters: Name: First name: Street: Postal code / city: Country: Telephone: Date / signature: Description of defect: 27 28 Kompernaß GmbH Burgstraße 21 · D-44867 Bochum (Germany) www.kompernass.com

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