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You can read the recommendations in the user guide, the technical guide or the installation guide for SILVERCREST CRE-521. You'll find the answers to all your questions on the SILVERCREST CRE-521 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SILVERCREST CRE-521
User guide SILVERCREST CRE-521
Operating instructions SILVERCREST CRE-521
Instructions for use SILVERCREST CRE-521
Instruction manual SILVERCREST CRE-521

English

1 Preliminary notes

Thank you for selecting our MP3/WMA/OGG car radio SilverCrest CRE-521. In order for you to utilize this device and all its options, we recommend that you read the corresponding instructions in this manual before the initial use of the device, even if you're familiar with handling electronic devices. Please pay particular attention to the chapter "Important safety instructions" on page 5. Store this manual in a safe location for future reference. If you sell or transfer this device, please be sure to pass along these instructions as well.

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3 Declaration

The descriptions and features in the manual only serve as general information and do not represent a guarantee. In order to offer you a product of the highest quality, we reserve the right to make possible improvements or changes without prior notification.

For all product descriptions and user instructions, the German version is the ultimately valid reference in the event of possible deviations in other languages.

4 Manufacturer information

JNC Datum Tech GmbH
Benzstraße 33
71083 Herrenberg
Germany

More information can also be found at
www.mysilvercrest.de

SilverCrest

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Manual abstract:

*@@In order to offer you a product of the highest quality, we reserve the right to make possible improvements or changes without prior notification. For all product descriptions and user instructions, the German version is the ultimately valid reference in the event of possible deviations in other languages. 4
Manufacturer information www.mysilvercrest.de More information can also be found at: JNC Datum Tech GmbH Benzstraße 33 71083 Herrenberg Germany*

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true to scale. 7 8 8.

1 Installation Installing the device Note: Please observe the following safety instructions for the connection of the device: Read the entire installation section before connecting the device. Disconnect the negative pole of the vehicle battery for the duration of the installation. Observe the safety instructions by the vehicle manufacturer during this task. If you need to drill holes for the installation, make sure that no parts of the vehicle are damaged. The cross section of the plus and minus cable may not be less than 2.

5 mm². Do not connect any plugs or cables from the vehicle to the radio without the appropriate expertise! Only use the supplied cable to connect the device. Depending on the build of your vehicle, the installation may deviate from this description. We do not assume any liability for damages caused by faulty installations or connections, nor any subsequent damages. Illustr.

8.2 Illustr. 8.0 8 Illustr. 8.1 English Note: We recommend that you have the device installed by a specialized company. Then you will have created the prerequisites for a problem-free functioning of the device. If at any point during the installation you are unsure that you can correctly connect the device by yourself, contact a specialist. A faulty installation may cause damages to the device and the vehicle electronics. 1.

For the installation of the device, please remove the transport safety screws on the CD drive first. 2. Then remove the installation frame from the device with the aid of the disassembly key, by sliding the disassembly keys into the provided openings on the right and left side of the device, as described in Illustr. 8.1. Make sure that the protrusion on the disassembly key (Illustr. 8.2) points away from the device while it is being inserted. Afterwards, the frame can be slid down over the device towards the rear. 3.

Now slide the installation frame into the installation slot provided for the car radio. 4. Now attach the installation frame by bending the installation brackets towards the outside with a screwdriver. The frame is properly installed when it can no longer be pulled out, yet also keeps from sliding into the installation slot. 5.

Now connect the provided cable set and the antenna corresponding to the Illustr. 8.3 and Illustr. 8.4 as well as the table below to the vehicle's electric system.



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Also observe the specifications in sections 8.2 to 8.4. Contact 1 2 3 4 5 6 7 8 Connector pin assignment ISO connector plug (also see Illustr. 8.3 number 7) Plug A Telephone mute Ignition (ACC+) / red Car antenna / blue Automatic operating unit dimmer / orange Battery 12V (+) / yellow Ground / black Plug B Rear right (+) – violet Rear right (-) – violet / black Front right (+) - grey Front right (-) – grey / black Front left (+) - white Front left (-) – white / black Rear left (+) - green Rear left (-) – green / black 6. Slide the device into the installation frame until the stop. The device will then audibly lock into place. 7. Attach the front frame and then insert the operating unit.

9 Illustr. 8.3 Illustr. 8.4 (Cable set is not included in the scope of delivery) Caution: This device is distinguished by a high output level. This results in a strong heat generation during the operation. Therefore no cables or other components may be near the device. If their insulation melts, there is the danger of a short circuit or fire. 1 2 3 4 5 Subwoofer output (yellow RCA jack) Line out plug right (red) Line out plug left (white) Antenna connection Fuse 15A 8.2 Connecting the antenna The device is designed for antennas with an impedance of 75Ω to 150Ω.

To connect the antenna, plug the antenna cable into the antenna socket of the device (black cable, socket on the rear of the device). 10 English 8.3 Supply voltage ISO plug A: A4: Attach the connection for +12V operational voltage (diameter at least 2.5 mm² for positive and ground wire) to terminal # 30 (permanent plus) of the vehicle. A5: +12V switching voltage output (max.

0.5 A). When the device is turned on, the switching voltage adjoins contact A5 and serves to retract or extract an automatic antenna and as operational voltage for antenna amplifiers. A6: Connection for operating unit light. A7: Connection for +12V trigger voltage.

Connect to terminal # 15 of the vehicle. A8: Connect the connection for the ground (diameter at least 2.5 mm² for positive and ground wire) to terminal # 31 (ground) of the vehicle. 8.4 Speakers Front speakers B3: right + B4: right B5: left + B6

bowing messages during the operation: A sound effect setting is active The sound effect CLASSIC has been selected The sound effect POP has been selected The loudspeakers have been muted The subwoofer output has been activated 15 10.2 Radio Mode The display of the device can show the following messages during the radio operation: HITRADIO 100.60 CT 16:08 FM 3 MW

2 (Example): RDS program name Frequency in the FM range Time FM range (1-3) MW range (1-2) Preset location of the selected station on the station buttons EON AF TA TP PTY Alternative frequency has been activated Readiness for traffic alerts has been activated A broadcast program with traffic information is being received A broadcast program with program type information is being received An FM stereo program is being received EON (Enhanced Other Networks) data are being received 10.3 CD Mode The display of the device can show the following messages during the audio CD operation: DISK INT

RDM CD has been inserted CD tracks are scanned briefly. CD titles are being shuffled in random sequence TOC READ CD is being read RPT A CD track is being repeated CD symbol lights up when a CD has been inserted or when the pause button has been pressed Moves during the playback of the CD 10.4 MP3/WMA/OGG-CD Mode During MP3/WMA/OGG-CD operation, the display can show the following additional messages to the ones for audio CD operation: MP3 WMA An MP3 file is being played A WMA file is being played OGG ALBUM An OGG file is being played The name of the current album is being shown as scrolling text 16 English TITLE MUSIC RDM The name of the current track is being shown as ARTIST scrolling text The compression of the current title is being INT shown as scrolling text CD titles are being shuffled in random order RPT The name of the current artist is being shown as scrolling text CD tracks are scanned briefly.

A CD track is being repeated 10.5 SD/MMC Mode The display of the device can show the following messages during the SD/MMC operation: The memory card has been selected as the M.-CARD OGG An OGG file is being played source The name of the current album is being shown MP3 ALBUM An MP3 file is being played as scrolling text The name of the current artist is being shown as WMA ARTIST A WMA file is being played scrolling text The name of the current track is being shown as TITLE INT CD tracks are scanned briefly. scrolling text The compression of the current title is being MUSIC RPT A CD track is being repeated shown as scrolling text RDM CD titles are being shuffled in random order 10.6 USB Mode The display can show the following messages during the operation of a USB source as a music source directory: A USB device has been selected as the source The name of the current album is being shown USB ALBUM or is connected as scrolling text MP3 WMA TITLE An MP3 file is being played A WMA file is being played The name of the current track is being shown OGG ARTIST INT An OGG file is being played The name of the current artist is being shown as scrolling text CD tracks are scanned briefly 17 as scrolling text MUSIC RDM The compression of the current title is being shown as scrolling text CD titles are being played in random order RPT A CD track is being repeated 11 Activation 11.1 Insertion of the operating unit In order to activate the car radio, you first have to insert the operating unit. First slide the operating unit tilted slightly from the right onto the left guide pin, as described in the illustration on the right. Then slide the operating unit onto the right guide pin until it audibly snaps into place. Now carefully flip the operating unit upwards onto the device until it audibly snaps into place. Now you can turn on the device.

If the device was turned on when the operating unit was removed, it will automatically turn on again after the insertion with the last setting (radio, CD, SD/MMC, USB or AUX IN) as soon as the ignition is turned on. 11.2 Removal of the operating unit (theft protection) In order to remove the operating unit and thus protect your car radio from theft, turn off the device with the "PWR/MUTE" button. Afterwards, press the button to flip down the operating unit. Now the operating unit is released from the device on top and opens into the flipped-open position.

Now remove the operating unit, by first sliding the operating unit slightly to the left and then pulling it towards you (see illustration). The operating unit then releases from the right guide pin and can subsequently be detached towards the front. Place the operating unit into the provided case and take it with you when you leave the car. 18 English 12 Basic functions 12.1 Turning on/off To turn on the device, briefly press the "PWR" button on the operating unit. To turn the device off, please press the "PWR" button for more than two seconds.



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The device will then turn off. Note: If the device is activated after the ignition has been started, it will automatically turn on and off with the ignition during subsequent operation. A prerequisite for this is that the contact A7 is connected to terminal # 15 of the vehicle (see Illustr. 8.3 and Illustr. 8.4). Caution! When the radio is turned on, an automatic antenna that may be installed on the vehicle will also be extended. Before driving into a car wash, you should therefore always turn off the device in order to avoid damages to the antenna as well as the vehicle.

12.2 Changing the volume The volume of the device can be changed with the round control dial the display in the process. The volume scale ranges from 0 - 45. The current volume of the device will be indicated on Note: The volume is not saved when the car radio is turned off. When you switch the car radio back on, the volume level corresponds to the volume selected in the menu item "INVOL" (see p. 34). Note: Don't use the car radio at an excessive volume. Otherwise there is the risk that you will permanently damage your hearing. Please consider that while using the device you should still be in the position of perceiving your surroundings (warning signals, sirens, etc.

). Only make time-consuming or complex changes to your device settings whilst parked. Otherwise your concentration might be affected by the changes. 19

12.3 Muting the speakers To mute the connected speakers, briefly press the "MUTE" button .

"MUTE" will appear in the display. In order to return to the original volume, briefly press the "MUTE" button again or turn the volume control dial. The message "MUTE" will turn off and the volume will be at the same level as before it was muted. Note: The MUTE setting also affects the LINE outputs. The MUTE function interrupts the playback of the audio tracks until the function is turned off.

13 Radio (Tuner) Mode 13.1 Selection of the radio station Turn on the SilverCrest CRE-521 MP3/WMA/OGG car radio with the "PWR" button . If the device was turned off while it was in RADIO mode, the last selected station will be heard. If the device is set to an operation with one of the different data storage media, please press the "MODE" button until you get to the radio function. 13.2 Select the wavelength range FM (UKW) range: To select the FM range, briefly press the "BAND" button or "FM 3" and the current frequency appear on the display. MW range: To select the MW range, briefly press the "BAND" button and the current frequency. repeatedly until the desired range "FM 1", "FM 2" repeatedly until the display indicates "MW 1" or "MW 2" Note: After selecting a range, the station last selected in this range will be heard. 20 English 13.3 Find and save radio stations Search for a station with the station search function To select the stations, select the desired wave band with the "BAND" button (section 13.

2). In order to begin searching in the desired direction, briefly press one of the buttons " " or " ". The scanner will stop at the next available station. Manual search for a station In order to select a station manually, press the buttons " " or " " for about three seconds. The display will indicate or " " until the desired frequency appears on the display. The frequency will "MANUAL" Now press the buttons " " change in 50kHz increments in the FM range. If there is no entry for about 7 seconds, the device will switch back to automatic station search. The display will indicate "AUTO". Store stations with the station buttons With the station buttons "1", "2", "3", "4", "5", and "6" (-) you can preset 6 programming spaces each on each level of the wave band (e.g.

"FM 1", "FM 2", or "FM 3"). To store the station, select the corresponding station with the station search or manually. Press one of the buttons "1", "2", "3", "4", "5" or "6" until the radio sound is briefly muted in order to store the station. Now the station is stored at the station button you selected. Storing a station with the automatic station search The automatic station search scans for the strongest available stations and stores these under the station selection buttons "1" - "6" (-).

and keep it pressed for more than two seconds. Now the scanner In order to start the search, press the "AS/PS" button allocates all station positions at the current level of the selected wave band as long as enough stations with sufficient reception quality are available. After the scanning has ended, the stored stations are automatically matched up with their station names and the station stored at the station position "1" can be heard. Accessing stored stations In order to access the stored stations, select the desired wave range with the "BAND" button six station buttons (-) and you will hear the station stored there. ,

e. g. "FM 1". Press one of the Checking stored stations For this function, the stations stored under the station buttons of a particular wave length are scanned for about five seconds. In order to begin checking, briefly press the "AS/PS" button . The station positions "1" - "6" will begin blinking on the display in sequence and the corresponding stations will be scanned. 21 Information about the current station In order to show information about the current station, please press the "DIS/REC" button. The desired information will then be shown to you in the following sequence: current time, PTY, frequency of the current station. Show current time In order to show the current time, please press the "DIS/REC" button. Then the current time will be displayed to you. Note: If the device receives an RDS station with an RDS time signal, the clock will be automatically updated at particular intervals.

13.4 RDS RDS is an information system whose signals are additionally broadcast by most FM stations. With RDS programs, the name of the programme appears as an abbreviation on the display. Further information, such as frequency, time and program type (PTY) can be faded in. An RDS programme will be broadcast by several stations on different frequencies (alternative frequencies). If an RDS programme has been selected, the device automatically switches to the alternative frequency that can be received most clearly, as long as that is available and the AF function (section 13.6) has been turned on. In order to access the RDS information, repeatedly press the "DIS/REC" button . The time, program type (PTY) and frequency will appear in sequence on the display.



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5 Traffic Announcements (“TA”, traffic program “TP”) To activate the traffic announcement program, please press the “TA/TP” button briefly. The message “TA” will appear on the display and the readiness for announcements is turned on. To deactivate the traffic announcements, press the “TA/TP” button again. The message “TA” disappears and the readiness for announcements has been switched off. Note: If the selected station is not a traffic broadcast station, the device automatically starts to scan for the next traffic broadcast station.

If “TA” is turned on, the CD, SD-MMC, USB and AUX-IN operation is interrupted for a traffic announcement and will be continued afterwards. For the duration of the traffic alert, “TRAFFIC” will appear on the display. During AUX-IN operation, the current track will not stop but continue playing. To stop the device connected via AUX-IN, please consult the manual of the respective manufacturer of the device. 22 English Note: If you only want to hear traffic announcements, turn on the announcement function with the “TA” button and turn the volume to “VOL 0” with the volume control dial.

The device will automatically regulate a volume increase for traffic announcements. The TA volume can be individually adjusted under the volume item “TAVOL”. 13.6 Alternative frequencies (“AF”) To activate the “AF” function, briefly press the “AF/REG” button. The message “AF” appears and the function is turned on. To turn off the “AF” function, briefly press the “AF/REG” button. The message “AF” disappears and the function is deactivated. Note: The “AF” function is only displayed for broadcast stations that broadcast an “AF” signal. The “AF” message blinks when the “AF” function is activated but no “AF” signal is available. If an RDS (radio data system) station is being received that is broadcast by several broadcast stations with different frequencies, the device automatically switches to the frequency that can be received most clearly.

The “AF” function is activated when the device is delivered. In an area with bad reception, attempts to change between alternative frequencies can be heard as disruptive pauses. In such an event, the “AF” function can be turned off. Note: Radio reception conditions In the FM wave band, there can be changes in the reception conditions during the drive. Mountains, buildings or bridges can diminish reception. This applies especially if the distance to the station is large. Enhanced Other Networks (EON) The EON function (see page 35) is an additional RDS service. If the current program doesn’t offer any traffic announcements, EON automatically switches to the traffic announcements on another program. After the end of the announcement, the device switches back to the previously heard station. The readiness for traffic announcements has to be activated for this.

23 13.7 Regional programmes (“REG”) Some radio stations divide their programs into regional stations with different content at specific times. If the reception is getting worse, the “REG” function prevents the car radio from changing to alternative frequencies that have different program contents. To turn the “REG” function on or off, please keep the “AF/REG” button pressed until “REG-ON” or “REG-OFF” appears in the display. 14 CD Mode The SilverCrest CRE-521 MP3/WMA/OGG car radio supports the formats CD-Audio; CD-R; CD-RW and MP3/WMA/OGG-CD.

The bit rate has to be between 64kbps and 320kbps. Note: Conditional on the quality differences of the media as well the characteristics of the recording, it can happen that some individually recorded CDs are unable to be read. Such events do not constitute a malfunction of the device. Audio CDs (CD-R and CD-RW) that are recorded individually have to be finalized at the end of the burning process. Note that the file names of the audio tracks have to correspond to the ISO-9660 standard.

During the playback of MP3CDs, individual tracks can be skipped or not played back correctly. This can be due to the respective disc configuration, the decoder software, or the hardware that was used for the recording. Copy-protected CDs do not correspond to the specifications of audio CDs (CD-DA), don’t carry the respective logo, and can therefore cause playback errors. 14.1 Selecting a CD as a program source To play a CD, turn on the device with the “PWR” button. If the device was turned off during CD operation, the playback begins at the track heard before turning off the device. If the device is set to another program source, press the “MODE” button until you get to the CD function. The display will indicate the message “TOC READ”. Note: The program source “CD” can only be selected through the “MODE” button if there is a CD in the CD slot. 24 English 14.

2 Inserting / ejecting a CD To insert a CD, please press the button on the device. Then the operating unit automatically flips down and uncovers the CD insertion slot. Before you insert a CD, press the “ ” button to make sure that no other CD has already been inserted. To insert the CD, slide it into the CD slot with the printed side up. It will automatically be drawn inside. Flip the front panel back up and let it snap into place. The message “TOC READ” will be indicated on the display. Then the message “001” will appear, followed by the time display of the track, which thus shows that the first track on the CD is now being played back. To eject the CD, press the unlocking button .again.

The front panel flips down and you can remove the ejected CD after pressing the “ ” button. Caution: Only standard CD formats may be inserted into the CD insertion slot (Ø 12cm). Make sure that no foreign objects enter the CD slot. Note: Never use force when inserting the CD; this could damage the device as well as the CD. Never use force to try to prevent the device from pulling in a CD.

If necessary, eject the CD again. 14.3 Playback / pause To pause the playback, briefly press the pause button. “PAUSE” will be indicated on the display. To continue the playback, press the “I” button again.

The device doesn’t have any stop function. 25 14.4 Selecting or repeating tracks By briefly pressing the “ ” button, the playback jumps to the next track. If you press the “ ” button, the playback returns to the beginning of the current track. If the “ ” button is pressed twice, the playback jumps back to the previous track. You can briefly press both the “ ” and “ ” buttons until the number of the desired track appears in the display.



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14.5 Fast forward and backward play For fast forward play, press the " " button and keep it pressed until you have reached the desired point. Likewise, press the " " button for fast backward play and keep it pressed until you have reached the desired point. To control the process, the increasing or decreasing minute and second amount is indicated on the display.

14.6 Repeat track (repeat) To repeat a track, briefly press the button "2". The abbreviation "RPT" will briefly appear on the display and the current title will be repeated continuously. To end this function, press the button "2" again. The abbreviation "RPT" will be turned off and the playback of the tracks will continue normally. 14.7 Intro To briefly scan the tracks, briefly press the station button "3" during the playback. Then all tracks will be scanned for approx. ten seconds. The abbreviation "INT" will appear on the display.

To end the INTRO function, briefly press the station button "3" again. The scan function will end and the "INT" message is turned off on the display. The playback continues at the point where the last intro was broken off. 14.8 Playing tracks in random order (random) For the random playback of CD tracks, briefly press the station button "4".

After pressing the button, the abbreviation "RDM" will appear on the display and the device begins to play back a randomly selected track. If the RDM button is pressed during the playback of a track, this track will be played again from the beginning. All other tracks will also be played back in random order. To end the random function, briefly press the station button "4" again. The abbreviation "RDM" is turned off and the tracks will be played back in regular sequence.

26 English Note: When the last track of a CD has finished, the playback automatically starts again at the beginning of the CD. This happens regardless of whether the device is in REPEAT mode. If the first track of a multi-session CD contains audio data, only the audio data are played back, even if other data formats are recorded. 15 USB/MP3/WMA/OGG and SD/MMC Mode 15.1 Connecting/removing a USB storage medium To connect a USB storage medium, remove the protective rubber cap on the USB connection. Now plug the storage medium straight from the front into the USB connection of the device. The display switches to "USB" and the device searches through the storage medium for data that are suitable for playback. To remove a USB storage medium, please turn off the radio or change the audio source. Afterwards you can pull the USB storage medium off the USB connection. Note: Please note that the connection of a USB removable storage device can lead to the device being turned off.

It's also possible that your USB removable storage device is not recognized by the device even if it's supported. Then the cause is an excessive power demand by the removable storage device. To protect the device, it shuts off automatically. In such an event you will need an additional power supply for the removable storage device, which is available in an electronics store. Note: Only connect the USB storage medium when the car radio is turned on. Don't pull off the USB storage medium while audio data are still being played back from it. This could result in reading errors on the data storage medium. To protect the USB connection of the device from damages, please select a sufficiently long USB connection cable. Make sure that any connected USB storage medium is sufficiently well-protected from sliding inside the vehicle. Don't hang any objects across a plugged-in USB storage medium or the plug of a USB connection cable.

This could damage the USB connection. 27 15.2 Selecting a USB storage medium as data source To play back audio tracks from a storage medium (e.g. USB stick, 2.

5 "USB hard drive) connected to the USB connection, press the "MODE" button to select "USB" as the data source. Then the device will read the audio tracks that can be reproduced from the data storage medium and begins to play back the first track. Note: The "USB" program source can only be selected through the "MODE" button if a USB storage medium has been connected to the device. When you pull off the USB storage medium or the plug of the USB connection cable from the device, the device automatically switches back to the most recently selected program source. Please note that only those USB storage media are recognized that have been formatted and written according to the FAT16 or FAT32 standard.

@@@The CRE-521 can only play back data from the mass storage level. @@@@SD/MMC cards with a storage capacity of up to 2 GB are supported. To remove a SD/MMC card, press the unlocking button again. The front panel flips down. @@Afterwards you can remove the card from the slot. @@@@This is followed by the playback. @@@@A maximum of three digits are available for the search. @@Now the centre digit is flashing. @@Proceed with the third digit in the same way. @@@@A maximum of three letters are available for the search.

After you have selected the third letter and have started the search by pressing the "BAND" button, the search will begin, along with the display of the files that match the desired track. If there are several search results, they can be viewed by turning the control dial and pressing it to select one. To start the search without having entered all three letters, press the "BAND" button after entering the last search letter. The name of the first searched title with the searchable letter sequence appears on the display. If there is more than one file, you can have the different results shown on the display by turning the control dial. To start the playback, briefly press the control dial again. Note: If the device is unable to find a matching search result, the message "AXX" will be displayed again. 15.9 Searching according to compression type When searching according to the type of compression, there is the option of having files displayed according to a particular compression. To start the search for the compression type, briefly press the "AS/PS" button three times.

The message "WMA/", "MP3/" or "OGG/" will appear on the display. By turning the dial, you can now select the desired type of compression and confirm it by pressing the "BAND" button to start the search. The first title of the matching compression type appears on the display. If there is more than one file, you can have the different results shown on the display by turning the control dial. To start the playback, briefly press the control dial again.

15.10 Skipping forward or backward in increments of ten during playback, the device will skip back by ten tracks. If you want to skip ten tracks If you briefly press the station button "5" ahead, press the station button "6".



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30 English 15.11 Pause To suspend the playback of the current title, please press the PAUSE / station button "1".

Then the playback of the current title is stopped until the PAUSE / station button "1" is pressed again or the device is turned off. 15.12 Repeat functions (repeat) If you want to continuously repeat the currently played track, briefly press the station button "2" during the playback. The message "RPT" will be indicated on the display. To stop the repeat function, press the station button "2" again and the abbreviation RPT is turned off. Then the tracks will be played back regularly. 15.13 Intro To scan the titles on the storage medium, briefly press the station button "3". The message "INT" will appear on the display. Then all tracks will be scanned for approx.

ten seconds. To end the scanning function, press the station button "3" again and the abbreviation "INT" will turn off. Note: When the last track of an MP3 storage medium has finished, the playback automatically starts again at the beginning. 15.14 Random playback (random) To play back the tracks on the storage medium in random order, briefly press the station button "4" during the playback. The abbreviation "RDM" will appear on the display. To end the function, press the station button "4" again, which will stop the random function. The message "RDM" will turn off. 15.15 Turning the subwoofer on/off for more than two The device has a subwoofer output on its rear side.

To activate this connection, press the "BAND" button seconds. The sign .will appear on the display. To deactivate the output again, press the "BAND" button again for more than two seconds. 31 16 AUX IN The AUX IN is a connection with which you can connect external audio devices through their headphone or AUX output with this device.

The audio tracks played back on these devices are then put out through the car speakers. This is how you can e.g. play back audio files that you have saved on your mobile phone, minidisk, iPod® or tape recorder. To connect external audio devices with the MP3/WMA/OGG car radio CRE-521, you will need a cable with a 2.

5 mm jack plug on a 3.5 mm jack plug, which is contained in the scope of the delivery. Connect this cable to the headphone connection or AUX output of your playback device and begin the playback. Set the volume of the playback device to a medium level and subsequently regulate the volume with your Silvercrest CRE-521. If the playback source of the Silvercrest CRE-521 has not been set to AUX yet, please press the "MODE" button until AUX appears on the display.

17 Settings 17.1 Menu level 1 By briefly pressing the volume control dial once or several times, the functions of menu level 1, volume control, bass setting, treble setting, and the speaker balance between the left and right as well as front and rear speaker groups can be selected and set. Changing the bass setting (BASS) Pressing the control dial twice will result in reaching the bass settings. The message "BAS" will appear on the display together with the current level (e.g.

"+2"). To change the bass bandwidth, turn the control dial clockwise or counter-clockwise. The bandwidth can be set in a range between "-7" and "+7". It can be changed in increments of one. The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Changing the treble setting (TREBLE) After pressing the control dial three times, the treble setting (TREBLE) can be reached. The message "TRE" will appear on the display together with the current level (e.g. "0"). To change the bandwidth of the treble, turn the control dial clockwise or counter-clockwise. The bandwidth can be set in a range between "-7" and "+7". It can be changed in increments of one.

The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. 32 English Change in the volume ratio between the right and left speaker group (BALANCE) After pressing the control dial four times, the settings for the ratio between the speakers connected on the right and left can be reached (BALANCE).

The message "BAL" appears on the display along with the settings for the volume ratio between the right and left speaker group (e.g. "BAL 2R"). To change the ratio between the speakers, turn the control dial clockwise or counter-clockwise. Depending on the direction in which the control dial is turned, an "R" (right speaker group) or an "L" (left speaker group) will appear on the display, together with a digit (e.g. "2R" or "4L"). These provide information about the direction in which the volume ratio is changed and about the amount of the change. The ratio between the right and left speaker group can be set in a range between "8R" and "8L". The volume ratio between the speakers changes according to the setting and the volume will increase on one side according to this setting and decrease on the other side.

Note: If the ratio is set to "0", the volume on both speaker groups is the same. If the control dial is set to the maximum position of "8" on one of the two sides, the speaker group in the opposite side will be mute. To change this, turn the control dial again. The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Changing the volume distribution between the front and rear speaker group (FADER) After pressing the control dial five times, the settings for the speaker distribution between the front and rear speaker group (FADER) will be reached. The message "FAD" will appear on the display along with the set volume ratio between the front and rear speaker group (e.g.

"FAD 2F"). To change the ratio between the speaker groups, turn the control dial clockwise or counter-clockwise. Depending on the direction in which the control dial is turned, an "R" or an "L" will appear on the display, together with a digit (e.



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g. "2F" or "3R").

These provide information about the direction in which the volume ratio is changed and about the amount of the change. The ratio between the right and left speaker group can be set in a range between "8F" and "8R". The volume ratio between the speakers changes according to the setting. The volume of one speaker group increases, the other decreases. Note: If the ratio is set to "0", the volume on both speaker groups is the same.

If the control dial for one of the two speaker groups is turned to the maximum setting "8", the other speaker group is muted. To change this, turn the control dial again. 33 The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Note: After pressing the control dial six times, the volume setting is reached again. If no changes are made for 5 seconds, the device will automatically return to the initial display. 17.2 Menu level 2 Menu level 2 is reached if the control dial is pressed for approx.

two seconds. The individual menu items can be reached by repeatedly pressing the control dial. On menu level 2, the functions "INVOL" (initial volume), "ADJ" (setting the time), "TAVOL" (standard volume for traffic announcements), "EON" (automatic station change for traffic announcements), "REC" (recording function settings), "DSP" (tone settings), "LOUD" (tone setting), "LOC" (distance setting for station search), and "STEREO" (switching between stereo and mono playback) can be set. "INVOL": Initial volume The "INVOL" function enables an adjustment of the playback volume when the device is turned on according to individual preferences. To change the initial volume of the device, press the control dial until the menu level 2 is reached. The "INVOL" function appears. There you have the option of setting the initial volume of the device by turning the dial. Turning to the right increases the initial volume, turning to the left reduces the initial volume. The initial volume can be set between 0-45. Here 0 = no sounds and 45 = maximum volume of the device.

The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Note: During the playback, it's possible to adjust the volume to the current requirements at any time through the control dial.

34 English "ADJ": Setting the time To set or change the time settings, press the control dial until you get to menu level 2. The "INVOL" function will appear. until you get to the menu item "ADJ". There you have the option of setting the time of the device by Press the control dial turning the dial. Turning to the right changes the number of the hours, turning to the left, the minutes.

The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Note: If the device receives an RDS station with an RDS time signal, the clock will be automatically updated in particular intervals. "TAVOL": Volume for traffic announcements The "TAVOL" function enables an adjustment of the playback volume when the device is turned on according to individual preferences. To change the device's volume for traffic announcements, press the control dial until menu level 2 is reached. The "INVOL" function will appear. Press the control dial until you get to the menu item "TAVOL". There you have the option of setting the device's volume for traffic announcements by turning the dial.

Turning to the right increases the volume for traffic announcements, turning to the left reduces the volume for traffic announcements. The volume for traffic announcements can be set for between 0-45. Here 0 = no sound and 45 = maximum volume of the device. The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display.

Note: During a traffic announcement, it's possible to adjust the volume to the current requirements at any time through the control dial. "EON": Automatic station switching for traffic announcements The "EON" function is an additional RDS service. If the current program doesn't offer any traffic announcements, EON automatically switches to the traffic announcements on another program.

After the end of the announcement, the device switches back to the previously heard station. The readiness for traffic announcements "TA" has to be activated for this. 35 To activate the "EON" function, press the control dial until menu level 2 is reached. The "INVOL" function will appear. Press the control dial until you get to the menu item "EON".

There you will have the option of activating (ON) or deactivating (OFF) the function by turning the dial. If the "EON" function is activated, "EON" will appear on the display. The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial you will reach the next possible setting.

If you use the automatic storage, the device will return to the standard display. "REC": Settings for the recording function This menu item gives you the option of selecting between WMA and MP3 coding while recording. The recording function will be described in detail below under 17.3. To reach the menu, press the control dial until menu level 2 is reached. The "INVOL" function will appear. Now briefly press the control dial until you reach the menu item "REC".

There you will have the option of selecting between "WMA" and "MP3" by turning the dial.



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The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds).

If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. "DSP": Sound settings – 4-band equalizer In the "DSP" menu, you have the option of selecting between four different sound settings. The choices are between the sound settings "CLASSIC", "ROCK", "POP" and "FLAT". Here you also have the option of deactivating the "DSP" function ("DSP NONE"). To select between the different sound settings, press the control dial until menu level 2 is reached. The "INVOL" function will appear. Press the control dial repeatedly until you get to the menu item "DSP". There you will have the option of selecting between the different sound settings by turning the dial. The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx.

five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Note: After selecting the sound setting, it will appear on the display of the device together with the message "DSP". 36 English "LOUD": Sound setting – Loudness The "LOUD" function makes it possible to emphasize low and high frequencies through the push of a button in order to increase sound perception in an adjustment to the respective volume.

To activate the "LOUD" function, press the control dial until menu level 2 is reached. The "INVOL" function will appear. Press the control dial repeatedly until you get to the menu item "LOUDNESS". There you will have the option of activating ("LOUD ON") or deactivating ("LOUD OFF") the function by turning the dial. The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx.

five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Note: When the "LOUDNESS" function ("LOUD ON") is activated, the message "LOUD" appears on the display. This is turned off after deactivation. "LOC": Distance setting for the station search The "LOCAL" function is relevant for the station search. Here it can be selected whether only local, strong stations ("ON") or also weaker, more distant stations ("OFF") are searched for. To get to this menu item, press the control dial until menu level 2 is reached. The "INVOL" function will appear. Now briefly press the control dial until you reach the menu item "LOCAL".

You can choose between "ON" or "OFF" by turning the dial. The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display. Note: This setting only affects the radio mode and can only be carried out while the radio mode is active. "STEREO": Switching between stereo and mono playback This menu item gives you the option of selecting between stereo and mono playback. To reach the menu, press the control dial until menu level 2 is reached. The "INVOL" function will appear. Now briefly press the control dial repeatedly until you reach the menu item "STEREO".

There you will have the option of selecting between "MONO" and "STEREO" by turning the dial. 37 The setting is saved either when the desired value is confirmed by pressing the control dial or through automatic storage (don't change anything on the device for approx. five seconds). If you confirm the selection by pressing the control dial, you will reach the next possible setting. If you use the automatic storage, the device will return to the standard display.

Note: This setting only affects the radio mode and can only be carried out while the radio mode is active. 17.3 Recording and copying function With the Silvercrest CRE-521 you will have the option of recording music tracks, radio features, news, etc. onto removable SD/MMC or USB removable storage devices. The compression types WMA and MP3 are available for this.

How you can change the compression mode is described above in section "REC" under 17.2. Any kind of music track, radio feature and similar pieces from the radio, a CD or the AUX IN input can be recorded. Before recording, just select the appropriate playback source by using the "MODE" button. To start a recording, please connect a USB removable storage device or insert an SD/MMC card into the card slot. Note: Please keep in mind the legal regulations applicable at your whereabouts pertaining to the production of copies of copyrightprotected materials. If you have any doubts, please consult a specialist near you. Note: The files stored by the device on the data storage medium are named as follows: TRACK**.MP3 or TRACK** .WMA for recordings from an audio CD Tuner**.

MP3 or Tuner** .WMA for recordings from the radio LINE**.MP3 or LINE** .WMA for recordings from AUX IN MUSIC**.MP3 or MUSIC** .WMA for copies of an MP3/WMA CD ** = continuing number of titles (01, 02, 03, ...) Recording from a CD If you want to record from a music CD, please select this through the "MODE" button and then press the "DIS/REC" button for about three seconds. The recording menu appears and you have the choice between "MMC ALL TRACK RECORD" (saving all tracks of the CD on an SD/MMC card); "USB ALL TRACK RECORD" (saving all tracks of the CD on a USB removable storage device), "MMC ONE TRACK RECORD" (saving the current track of the CD on an SD/MMC card) or "USB ONE TRACK RECORD" (saving the current track of the CD on a USB removable storage device). 38 English If only an SD/MMC card is inserted, only the option to save onto the SD/MMC card is offered. If only a USB removable storage device is inserted, only the option to save onto the USB removable storage device is offered. If no storage medium is connected or inserted, the message "NO MEDIA" appears and the recording process is stopped.



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To select which storage medium should be used for the recording, please press the control dial until the desired storage source is indicated and confirm the selection with the "BAND" button. Then the recording will start automatically. The message "REC" will begin flashing on the display. To stop a current recording, press the "DIS/REC" button for more than three seconds. The recording will stop.

Note: Please keep in mind the legal regulations applicable at your whereabouts pertaining to the production of copies of copyrightprotected materials. If you have any doubts, please consult a specialist near you. Recording from radio and AUX IN If you want to record from the radio or through the AUX IN, please select the radio station or the AUX IN through the "MODE" button and then press the "DIS/REC" button for about three seconds. The recording menu will appear and you now have the choice between "REC USB" (the recording will be saved on the USB removable storage device) or "REC MMC" (the recording will be stored on an SD/MMC card). If only an SD/MMC card is inserted, only the option to save onto the SD/MMC card is offered.

If only a USB removable storage device is inserted, only the option to save onto the USB removable storage device is offered. If no storage medium is connected or inserted, the message "NO MEDIA" appears and the recording process is stopped. To select which storage medium should be used for the recording, please press the control dial until the desired storage source is indicated and confirm the selection with the "BAND" button. Then the recording will start automatically. The message "REC" will begin flashing on the display. To stop a current recording, press the "DIS/REC" button for more than three seconds. The recording will stop. Note: Please keep in mind the legal regulations applicable at your whereabouts pertaining to the production of copies of copyrightprotected materials. If you have any doubts, please consult a specialist near you. 39 Copying from an MP3/WMA CD onto an SD/MMC card or USB removable storage device If an MP3 and/or WMA CD is inserted into the CD slot and the "DIS/REC" button is pressed for more than three seconds, the device will start the copy mode for the respective track.

If more than one storage medium is available on the device, a selection menu will appear. To select the storage medium that should be used for the copy, press the "DIS/REC" button until the desired storage source is indicated. The copying process is started by pressing the "BAND" button. "COPY" will appear on the display along with a number that indicates the process of the copying. The message "M.CARD" or "USB" will begin flashing on the display. After the end of the copying process, the device will play the subsequent track. To stop a current copying process, press the "DIS/REC" button for more than three seconds. The copying process is stopped. Note: Please keep in mind the legal regulations applicable at your whereabouts pertaining to the production of copies of copyrightprotected materials.

If you have any doubts, please consult a specialist near you. 17.4 Deleting tracks During the playback from an SD/MMC memory card and USB removable storage device, it's possible to delete the current track from the data storage medium. To do this, press the "DIS/REC" button for more than three seconds during the playback of the respective track. "DELETE" will appear on the display.

To delete the track, press the "BAND" button. Then the track is removed from the data storage medium. Afterwards the device will continue with the playback of the subsequent track. 17.5 Factory settings ("RESET") By using the reset function, the device can be changed back to the factory default settings.

To use the reset function, please press the button on the device. Then the operating unit automatically flips down. Now press the button on the device with a thin, sharp object. The device will then be reset and turned off if required. Note: When the factory settings are restored, the clock and the stored radio stations will also be reset or erased 40 English 18 Remote control 18.1 Description of the buttons The buttons of the remote control fulfil the same functions as the buttons with the same names on the device. Button Function Turning device on/off Traffic announcements PTY button to select the program style Alternative frequencies Automatic station search, track search Station search forward, menu navigation, next track Selection button, menu button Switch display, start/stop recording Select playback source 12.1 13.5 13.4 13.

6 13.3 13.3, 17.1 – 17.2 14.4 – 14.5 13.2 - 13.3, 15.7 – 15.9, 15.15, 17.1 – 13.3 14.6 – 14.

9 13.1, 14.1, 15.2 Chapter 41 Button Muting Function 12.3 Chapter Station button 1, pause Station button 2, intro Station button 3, repeat track (repeat) Station button 4, random playback Station button 5 MP3 / WMA track - 10 Station button 6 MP3 / WMA track + 10 Select the wavelength range Station search backwards, menu navigation, previous track Changing the volume 13.3 14.3, 15.11 13.3 14.7 13.3 14.6 13.3 14.8 13.3 15.

10 13.3 15.10 13.2 13.3, 17.1-17.2, 14.4 -14.5 13.2 – 13.

3 42 English 18.2 Changing the battery To change the battery, please press the lock on the left side of the battery case slightly to the right. Now the battery compartment can be pulled out towards the front. @@@@ Make sure that the battery compartment snaps back into the case. Note: Please remove the safety disk on the battery compartment before first using the remote control.

Otherwise the remote control won't operate properly. Disposal of the battery Please consider that you as an end consumer are obligated to return discarded batteries to a distributor or a redemption site intended for this purpose by a public waste management facility. 43 19 Product information 19.1 General information General information Removable flip-down operating unit Semi dot matrix LCD display Amber-coloured button illumination PLL tuner with 18FM/12AM station presets RDS (PTY, TA, AF, PS, PI) Playback of CD/CD-R/CD-RW/MP3/WMA/OGG-CD ESP anti-shock CD/MP3/WMA/OGG Mechanical anti-shock SD/MMC cards (up to max. 2GB) USB connection Playback of MP3/WMA/OGG MP3 ID3 tag display: Title, compression, artist and album Title display with running text Search (alphabetical, according to track number, according to compression) 4 x 20 W (RMS) 4 band equalizer: Classic, pop, rock, flat Muting LINE OUT: 2 x 2 V RCA jack connection Subwoofer output AUX IN: Front connection through 2.

5 mm jack plug Radio component CD component Operation with memory card USB operation CD-MP3/WMA/OGG operation Power output 44 English 19.2 Technical specifications General Energy supply Maximum power output Appropriate speaker impedance Appropriate speaker output Fuse FM stereo radio Frequency range Sensitivity Frequency resonance Stereo separation Image resonance ratio IF resonance ratio Audio signal noise ratio MW radio Frequency range Sensitivity (S/N=20dB) CD player System Frequency resonance Audio signal noise ratio Distortion factor Channel separation ESP (Anti-shock function) Remote control Type Battery 12V DC (11V-16V) 40W x 4 channels 4 – 8Ω 20W x 4 channels 15A 87.



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