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You can read the recommendations in the user guide, the technical guide or the installation guide for BLAUPUNKT MODENA RD 148. You'll find the answers to all your questions on the BLAUPUNKT MODENA RD 148 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

> **User manual BLAUPUNKT MODENA RD 148**
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Radio / CD

Modena
RD 148

Operating instructions

BLAUPUNKT
Bosch Gruppe

Manual abstract:

1 Switching on/off with the buttons: Press one of the buttons illustrated here after you have inserted the KeyCard.

The unit will play at the pre-adjusted volume. Switching on when the ignition is switched off: To keep on operating the set when the ignition is switched off (KeyCard is inserted), proceed as follows: Press ON after you hear the double beep tone. The unit will turn on. To prevent the battery from going dead, the system will turn off automatically after it has played for one hour. 2 VOL+ / VOL- Alters the volume. Each time the set is switched on, it will play at the pre-adjusted volume (VOL FIX). You can also change the VOL FIX setting (see the section on "DSC programming"). 3 Instantly mutes the volume. Press the button to mute the volume immediately. "MUTE" will appear in the display.

Cancel the function by pressing button or VOL+. If you press VOL-, the normal volume will be the same as the mute volume. To programme the mute volume level, proceed as follows: · Set the desired volume. for 2 seconds until you · Press hear a beep. Now this volume level is stored as your mute volume. Extra function Press to store settings made in the DSC menu. 4 SC - Scan Radio operation Scan Press SC briefly "FM SCAN" will alternate with the abbreviated name of the scanned station in the display. The unit will scan all of the FM stations in the current reception range. Preset Scan Preset Scan cannot be started unless PTY has been switched off ("PTY" does not light up in the display). Press SC for approximately 2 seconds until you hear a beep.

Switching on/off with the KeyCard: The set is switched on or off by inserting or removing the KeyCard. Note: Be sure to read the information in the section on "KeyCard theft protection system". Switching on/off via the ignition: If the equipment has been connected correspondingly, the set can also be turned on and off with the vehicle ignition. After the ignition has been switched off, a double beep tone will remind you that you should remove the KeyCard before leaving your vehicle. 31 PORTUGUÊS ESPAÑOL SVENSKA NEDERLANDS ITALIANO FRANÇAIS ENGLISH DEUTSCH Quick reference "SCAN" will alternate with the abbreviated name of the scanned station in the display.

The unit will scan all of the stations stored on the preset buttons in the current reception range. To stop Scan / Preset Scan: Press SC or the search rocker switch once again. PTY Scan PTY Scan cannot be started unless PTY is switched on ("PTY" lights up in the display). All of the stations for the programme type selected will be scanned briefly. CD operation CD Scan Press SC briefly "CD-SCAN" will appear in the display.

The unit will scan all CD titles. To stop CD Scan: Press SC once again. 5 LD - Loudness When the car stereo is playing quietly, the Loudness function creates a more natural sound by boosting the low frequency range. 32 To switch Loudness on/off: Press LD briefly. Additional function: CLOCK If you select the clock function the current time will appear permanently in the display. To switch the display mode: Press LD for approximately 2 seconds. The time will disappear from the display for approximately 8 seconds when you select a different function. 6 Rocker switch Radio operation For FM only: <</>> To scroll through the station networks when AF is on, NDR 1, 2, 3, 4, N-JOY, FFN, ANTENNE ...

. CD operation / Track selection Press ginning Up Down once to go back to the be- of the current track. Fast advance, audible (CUE). Hold down >> as long as required. Fast reverse, audible (REVIEW). Hold down << as long as required. / Station search Up Down <</>> Up/Down in short intervals (for FM only when AF is off) Extra rocker switch functions: Further setting functions with AUD A DSC MODE @ PTY ? Requirement: The corresponding function must be activated. 7 Display a i) AF j) T e f g h i jk l m n k) A l) LD m) PTY n) CD o) T5 b o c - Alternative frequency for RDS operation - Traffic programme (a traffic information station is playing) - Priority for traffic information stations - Loudness is activated - Programme type function is activated - A CD is inserted in the unit - Track no. 5 is playing Flashing KeyCard tongue When the radio is turned off and the KeyCard removed, the KeyCard tongue can be programmed to flash for optical theft protection. For more information see the section on "DSC programming".

9 BND Switches between the memory levels/ wavebands FMI, FMII, TS (Travelstore), M and L. Additional Travelstore function Storing the six stations with the strongest reception using Travelstore: Press BND until you hear a beep or "T--STORE" appears in the display. : AF Alternative Frequency during RDS operation: When "AF" lights up in the display, the system will automatically search for a frequency offering better reception for the same RDS programme.

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AF on/off: Press AF briefly. 8 KeyCard theft protection system To operate the set the KeyCard must be inserted first.

d KeyCard Insert KeyCard When the KeyCard tongue is protruding out of the unit, insert the KeyCard with the contact area facing up into the slot in the middle of the area. If necessary, pull the KeyCard forward. Be sure to read the information in the section on "KeyCard theft protection system". a) NDR2 - Station name b) VIVALDI - CD name or c) 1 : 52 - CD time (playback time) and number (CD number) d) 16:31 - Time e) FM - Waveband f) 6 - Preset button (1-6) g) I, II, T - Memory bank I, II or Travelstore h) lo - Seek tuning sensitivity 33 PORTUGUÊS ESPAÑOL SVENSKA NEDERLANDS ITALIANO FRANÇAIS ENGLISH DEUTSCH Regional function on/off: Press the AF button for approximately 2 seconds until you hear a beep. "REG ON" or "REG OFF" will appear in the display (see the section on REG - regional programme).

; TA (Traffic Announcement) When "T" lights up in the display, the radio is currently playing a traffic information station. When "A" appears in the display, the priority for traffic stations has been activated. You can only tune into those stations which broadcast traffic announcements. Priority on/off: Press TA. < 1, 2, 3, 4, 5, 6 - preset buttons Radio operation On FM, you can store six stations for each of the memory banks I, II and "T". On MW/LW, you can store six stations each for each waveband. To store a station - Press a preset button during radio operation and hold it down until the set resumes play after the muting and you hear a beep. 34 To recall a station - Select the desired waveband. On FM, adjust the corresponding memory bank and press the relevant preset button briefly. Extra function for preset buttons To store and recall a PTY programme type.

On FM, you can store and recall one programme type on/from each preset button when PTY is active ("PTY" lights up in the display). CD operation 1/II - Pause Switching Pause on/off: Press 1/II. "CD PAUSE" will appear briefly in the display. 2/RPT - Repeat Repeat track: Press 2/RPT, "REPEAT" will appear briefly in the display and the track will repeat until 2/RPT is pressed again. "RPT OFF" will then appear in the display. 3/MIX MIX plays the CD tracks in random order. Switching MIX on/off: Press 3/MIX briefly. The mode activated will appear briefly in the display: "MIX CD" or "MIX OFF". = · SRC SRC (Source) When a CD is inserted you can switch between the different audio sources radio and CD. (Eject) Hold down the button for approximately 2 seconds and the CD will eject.

> CD slot When you insert a disc into the slot with the label side facing up, it will be pulled in automatically and transported to the playback position. CD playback switches on automatically. ? PTY (Programme Type) In the PTY mode, the preset buttons become programme type buttons. With each preset you can select one programme type such as NEWS, SPORT, POP MUSIC, EDUCATE, etc. With the << >> rocker switch, it is possible to recall all of the PTY programme types as long as the PTY function has been activated ("PTY"e unit Turn on the set.

With the KeyCard tongue protruding out of the unit, insert the KeyCard into the slot with the contact area facing up in the middle of the area. The car radio is now ready for operation. If a wrong KeyCard is inserted, then "CARD ERR" will appear in the display. In this case please do not make any further adjustments. The system will switch off by itself after approximately 10 seconds.

If another card type is inserted (e.g. phone or credit card), the displanow exactly which programme you have tuned into, making it easy to find the desired station quickly. But RDS offers you further advantages: REG - regional programme Certain radio programmes are split up at times into regional programmes offering local information. The 1st programme broadcast by NDR, for example, offers programmes with different contents in the northern German states of Schleswig-Holstein, Hamburg and Lower Saxony at certain times of the day. If you are listening to a particular regional programme and wish to continue doing so, · press the AF button for approximately 2 seconds. "REG ON" will appear in the display. If you leave the service area of the regional programme you are tuned into, or if you 39 AF - Alternative frequency The AF (Alternative Frequency) function makes sure that the radio always tunes into the strongest frequency of the currently selected programme automatically. This function is activated when "AF" appears in the display. In order to switch this function on or off, · press the AF button briefly.

While searching for the strongest reception signal, the radio may switch to mute briefly. PORTUGUÊS ESPAÑOL SVENSKA NEDERLANDS ITALIANO If the reception quality of the selected programme deteriorates beyond a certain point: · Tune into another station. FRANÇAIS "SEARCH" will disappear from the display when the alternative frequency has been found or after the frequency band has run through completely. ENGLISH Using the SRC (source) button you can switch between the radio and CD audio sources. The Radio Data System will enhance your enjoyment when you listen to FM radio stations. If "SEARCH" appears in the display when the radio is switched on or one of the stored frequencies recalled, the unit is already automatically searching for an alternative frequency. DEUTSCH Selecting the operating mode Radio operation with RDS (Radio Data System) would like to take advantage of full RDS service, switch to "REG OFF". · Press the AF button for approximately 2 seconds until "REG OFF" appears. "REG ON" or "REG OFF" will appear briefly in the display each time the radio is switched on. Station tuning Automatic tuning · / Press / ; the car radio will automatically search for the next station. If you hold / pressed up or down on the rocker switch, seek tuning will speed up in the upwards or downwards direction. Manual tuning: Press << >>; the frequency will change in short intervals in the downwards or upwards direction. If you hold << >> pressed to the left or the right on the rocker switch, the frequency scan will speed up. · Selecting a waveband With this car radio you can select between the following wavebands: FM 87.5 - 108 MHz MW 531 - 1602 kHz LW 153 - 279 kHz · Select the desired waveband by pressing the BND button.

Note: In the DSC menu it is possible to block MW or LW or both wavebands for station selection. The advantage of doing this is that only the required wavebands can be selected and it is no longer necessary to press BND so often.

If necessary, refer to the section on "DSC programming AM ON or AM OFF". Scrolling through the broadcasting networks (FM only) You can use the << >> buttons to tune into stations in your reception area. Seek tuning Up Down << / >> Up/down in short intervals (for FM only, "AF" must be switched off) If it is possible to receive several programmes in the same broadcasting network, you can scroll through them in the forwards direction by pressing >>, or backwards using the << button, e.

g. NDR 1, 2, 3, 4, NJOY, FFN, ANTENNE ... . For this to work properly you must have already tuned into the stations at least once and "AF" must be active (lights up in the display). To do this, you can start the Travelstore seek operation: · Press BND for 2 seconds; the system will start to run through the frequency band. Manual tuning with << >> You can also tune into a station manually. Requirement: AF and PTY must be switched off (i.e.

the symbols do not light up in the display). If necessary, deactivate these functions: · Press AF or PTY. 40 Recalling stored stations You can recall any stored station at the touch of a button. · Select the waveband by pressing BND. For FM, also choose the corresponding memory bank by pressing the BND button as many times as necessary until the desired bank appears in the display. · Press the corresponding preset button briefly to recall the station. You can switch between the memory banks I, II and T in order to store stations and recall them later. The currently selected memory bank is indicated in the display. · Press the BND button as many times as necessary until the desired memory bank lights up in the display. Storing stations On FM, you can store six stations on the preset buttons 1, 2, 3, 4, 5, 6 for each of the memory banks I, II and T.

On MW/LW, you can also store six stations each. · Select the appropriate waveband by pressing BND. · Tune in a station with the rocker switch (either automatically / or manually << >>). Automatically storing the strongest stations with Travelstore You can automatically store the six most powerful FM stations in your current reception area sorted according to their signal strength. This function is particularly convenient on longer trips.

· Press the BND button for 2 seconds. "T-STORE" will appear in the display. The six strongest FM stations will be automatically stored on the memory bank "T" (Travelstore). When this process has been completed, the radio will play the first station. Scanning stored stations with Preset Scan You can briefly scan through all of the stored stations on all wavebands in the selected FM memory bank.

Preset Scan cannot be started unless PTY has been switched off ("PTY" is not lit up in the display). · If necessary, press PTY. To start Preset Scan: · Press SC for approximately 2 seconds. 41 PORTUGUÊS ESPAÑOL SVENSKA NEDERLANDS ITALIANO Note: Should you attempt to store a station which has already been stored before on another memory bank, the corresponding preset button and the memory bank will flash briefly in the display. FRANÇAIS Switching between the memory banks (FM) The display will indicate which preset button is currently activated. ENGLISH If "AF" is not lit up, · press AF. This fulfils the requirements for selecting stations with << >>. Press the desired preset button until the radio resumes play after the muting (takes approximately 2 seconds, confirmed by a beep). Now the station has been stored. · If desired, stations can also be stored manually in the Travelstore bank (see "Storing stations").

DEUTSCH All of the stored stations on the selected waveband will be scanned one after the other. In the display "SCAN" will alternate with the flashing station name or frequency. To select a scanned station and switch off Preset Scan: · Press SC briefly. Changing the scan time The scan time can be selected from between 5 to a maximum of 30 seconds. If you would like to alter the scan time, please refer to the section on "DSC programming - SCANTIME". As reception deteriorates, the radio will gradually switch to mono. If you would like to switch to mono reception manually, please refer to the section on "DSC programming STEREO/MONO". The display will briefly indicate the mode selected. Scanning stations with Radio Scan You can also scan through all of the stations in your reception area. To start the Scan function: · Press SC briefly.

@@@@@@@@@@@@@@@@@@@@@@@@@@If reception is poor, you may get better sound quality by switching to mono. When the radio is switched on, it automatically selects stereo reception. PTY - Programme Type PTY is an RDS service which an increasing number of more broadcasting stations have begun to offer. This feature allows you to select FM stations according to their programme type. @@@@@@@@Requirement: PTY must be active. @@@@@@@@@@@@@@@The programme type selected last will be displayed briefly. @@ · Press one of the presets 1-6. The selected programme type will be displayed for 2 seconds. @@@@@@@@@@@@@@@To do so, make sure that "PTY" lights up in the display. @@ · · Select a programme type using buttons << >> and PTY priority Situation: PTY is switched on and lights up in the display.

No station offering the selected programme type can be found currently in your reception range (with seek tuning or scan). The set will switch back to the station previously tuned into. As soon as it is possible to receive a programme in the broadcasting network with the PTY selected, the radio will switch over to the corresponding station for the duration of the programme. Example: German broadcasting network NDR: Station playing: NDR3. "PTY" lights up in the display. Programme type "POP" selected. Seek tuning is started. No station with "PTY-POP" can be found. The display shows "NO PTY" and automatically switches back to NDR3. NDR2 airs a "PTY-POP" programme.

· · If you would like to listen to a station with the selected PTY, press / to start the seek tuning function. @@@@ · hold down the desired preset button (1-6) until you hear a beep. Now the selected programme type can be recalled by pressing this preset. "PTY" must appear in the display to indicate that the function is active. Scanning stations with PTY SCAN Requirement: "PTY" must appear in the display. · Press the SC button. All of the stations in your current reception area offering the selected programme type will be scanned. To switch off PTY-SCAN: · Press SC or the seek-tuning rocker switch once again. 44 - The radio will switch to the linked station NDR2 for the duration of the "POP" programme.

During CD operation, the set will also switch to the programme offering the selected PTY within the broadcasting network.

After the PTY programme has ended the system will switch back to the previous mode (radio or CD). Note: As already mentioned, these functions are only supported by a limited number of RDS stations at the present time. Many FM radio stations provide their service area with traffic messages at regular intervals. Along with their programmes, all traffic programme stations transmit a special carrier signal, which is decoded by your car radio. If this signal is identified, "T" will appear in the display (Traffic programme).

In addition to these, there are also stations which do not actually transmit traffic information themselves, but by using RDS-EON it is possible for them to forward the traffic messages broadcast by another traffic programme station in the same radio network. If you want to have the priority for traffic announcements activated while listening to one of these stations (e.g. NDR3), "A" must appear on the display panel. If a traffic announcement is broadcast, the radio will automatically switch to the linked traffic programme station (in this case, NDR2) for the duration of the message and return to the original programme (NDR3) afterwards.

Warning beep If you leave the reception area of the traffic programme station currently tuned into, you will hear a warning beep after approximately 30 seconds. This alarm tone will also be emitted if you press a preset button for a station which does not send the traffic information signal. 45 PORTUGUÊS ESPAÑOL SVENSKA NEDERLANDS Please note that several buttons have no function while a traffic announcement is broadcast. ITALIANO The unit will then switch back to the previous mode. @@@@@@@@@@@@Note: Use only standard circular CDs measuring 12 cm in diameter! @@@@@@CD playback will start. Fast advance, audible (CUE). Hold down >> as long as required. Fast reverse, audible (REVIEW). @@The CD will be ejected. @@If the CD is not removed from the drive within approximately 30 seconds, it will be reinserted automatically.

The number displayed beside "T" (for track) indicates the number of the track which is currently playing. Repeat track You can repeat a track (endless). In CD mode, · press 2/RPT. "REPEAT" appears briefly. The track will repeat until 2/RPT is pressed once again. Make sure that a disc is inserted, "CD" will appear on the display panel. Press SRC to go through the available audio sources: · Press as many times as required until the CD functions appear in the display (track number, name/playback time). Selecting a track After a CD has been inserted, the activated CD functions will appear on the display panel. MIX playback CD tracks can be played back in random order if desired. The MIX function has been activated, when "MIX CD" appears briefly in the display each time the audio source is switched to CD and following each track.

Switching the MIX function on or off, · press 3/MIX briefly. Inserting a CD · · Switch on the radio. Insert a CD with the label facing up. Never use force. / Up Down Press once to go back to the beginning of the current track.

Track selection 47 PORTUGUÊS ESPAÑOL SVENSKA NEDERLANDS Switching to CD operation ITALIANO FRANÇAIS If you press the rocker switch repeatedly, you will skip over the corresponding number of tracks. ENGLISH DEUTSCH CD operation The MIX function is off when "MIX OFF" appears in the display. To switch the display mode: It is possible to switch the display mode in the DSC menu (refer to the section on DSC programming CD DISP"). The "TIME" display mode was preset at the factory. The display mode will appear briefly, followed by the corresponding values, e. g. "TIME", "2 : 32". If you have selected "NAME" without having specified a name for the corresponding disc, the display will indicate the "TIME" mode. Please read also the section on "Entering CD names". · SCAN Use this function to scan all of the CD tracks. To start the Scan function: · Press SC briefly, the display will indicate "CD-SCAN". The titles will be scanned one after the other in ascending order. To stop the Scan function: · Press SC once again briefly. The track currently scanned will continue to play. SCAN will also stop if you · press one of the buttons marked DSC, SRC, , << >> or / .

Use the rocker switch / to select the first character. The capital letters A to Z, the numbers 0 to 9 and special characters will be listed one after the other. · Use the rocker switch << >> to move to the next position and select a character. You can select up to eight characters. Entering CD names You can enter names for up to 30 discs. The specified name (e.g. VIVALDI) will appear in the display if you have selected "NAME" as the display mode in the DSC menu. To start the entry: · Press the DSC button and press / until "CD-NAME" appears on the display panel. · Press .

The position for the first character will flash. Once you have completed the name as desired: in order to store it. · Press To quit the naming mode, · leave the DSC menu by pressing DSC. If you would like to name another CD, · insert a new disc. You can change any existing name by entering and storing a new one (overwriting).

Selecting the display mode You can select the desired display mode for CD operation: "NAME" The specified name, for example "MADONNA", will be displayed. The elapsed playback time of the title is displayed in minutes, for example "2 : 32". Deleting CD names with DSC UPDATE Use the DSC UPD (update) feature to delete a CD name. You can delete the name stored for the CD in the CD drive with "CLR DISC". Use "CLR ALL" to delete the names for all of the CDs.

· Insert the CD for which you want to delete the name into the CD drive. "TIME" 48 · · Press DSC. Press / as many times as required until "CD UPD" appears on the display panel. Press >> to select "CLR DISC" if you want to delete the name of that CD, Press << to select "CLR ALL" to delete the names stored for all of the CDs. · or This car stereo is equipped with a built-in clock which automatically takes advantage either of RDS or the DCF 77 signal (control signal for atomic clocks, used in special cases), to ensure highly accurate time-keeping (hours, minutes). For the clock to function properly with RDS, an RDS station with the CT function (CT clock time) must be received. The automatic correction of the time or just the hours using DCF 77 can be switched off.

Switching DCF 77 on/off: · Press DSC for approximately 2 seconds. If the display shows "DCF77 ON", DCF 77 is active. If the display shows "NO DCF77", DCF 77 is inactive.

To quit this function: · Press DSC. · · Press DSC briefly, "CLOCKSET" will appear in the display. Press << >> to set the hours/minutes. You can move to a different position by pressing / . After you have set the clock, press briefly to store the new setting. Setting the clock a) automatically The clock is set automatically when the radio is tuned into an RDS station which has the "CT" function (clock time). If the RDS signal is not received for a week, the radio will attempt to use · 49 PORTUGUÊS ESPAÑOL SVENSKA NEDERLANDS b) manually with DSC-CLOCKSET ITALIANO for approximately 2 seconds. · Press "UPDATE" will appear briefly in the display. The deletion process is complete. If it is not possible to receive the DCF 77 signal, the radio will switch off after a few seconds.

FRANÇAIS "CLK SYNC" will appear in the display for 20 seconds and you will hear a melody (Big Ben) to indicate that the radio is still active and that the power antenna (if connected) is still extended. ENGLISH DCF 77 to adjust the clock to the correct time the next time the radio is switched off. Condition: DCF 77 is switched on. DEUTSCH Clock Deactivating the hour correction function You can set the clock to permanent display in both the radio and CD modes. If another function is selected, the clock display will disappear for approximately 8 seconds and the station selected, for example, will appear in the display.

To switch the display mode: · Press LD for approximately 2 seconds. In the DSC menu it is possible to switch off the hour correction function with "CLK MAN/ CLK AUTO". An automatic correction for minutes will continue to take place. This is useful if you would like to display the time for a different time zone, for example. If necessary, · Press DSC briefly and · Press / as often as required until "CLK MAN/CLK AUTO" appears in the display.

To deactivate the hour correction function press << >> to select "CLK MAN". · Press << >> to set the hours/minutes. Displaying the clock Warning note Danger of damaging the automatic power antenna in a car wash If your vehicle is equipped with an automatic power antenna, it might still remain fully extended after you have turned the radio off in order to synchronise the time with DCF 77. Before you drive into a car wash · switch the radio off by pressing the ON button. The power antenna will retract, if it doesn't, press ON again. DCF 77 will remain inactive for as long as the radio is switched off. Do not drive into the car wash unless the power antenna has retracted! After you leave the car wash "DCF 77" will reactivate when you switch the radio on again. Correcting the clock after the power has been disconnected If the radio has been disconnected from its power source for a longer period of time, "0:00" will appear in the display when it is re-connected. The time will be set automatically by RDSCT, but can also be adjusted manually if desired. You need only set the time manually if it is not possible to receive an RDS station with CT (clock time).

50 Position, installation and the rear volumes of, for example, the door or rear window shelf all play an important role. Even the sound produced by well selected and installed speakers can be affected negatively by resonance frequencies in the vehicle interior. As a result, the bass sounds may be lost or reverberate, the mid-range tones sound too overpowering and music instruments or voices may be distorted or the total sound quality may be completely lifeless. The overall sound quality can be greatly enhanced if certain frequencies are suppressed or boosted. This car stereo is equipped with 2 parametric filters. The first filter "LOW EQ" can be set from 32 to 500 Hz, the second filter "HIGH EQ" from 630 to 10000 Hz. In this context, parametric means that it is possible to set the frequency and either boost or reduce it (+10 to 20 dB) individually for each of these filters. These parametric filters can be adjusted to very exact settings even without the help of measuring instruments. Notes on making the settings The following notes are intended as recommendations only. They do not necessarily reflect your own personal sound preferences.

We recommend that you use a music CD you are familiar with to make the settings. The CD should include tracks with different instruments and vocals. Purely electronic music is not well suited to serve as a basis for making the settings because the original sounds cannot be determined. Before you set the equaliser, set bass, treble, balance and fader to "0". This setting is described in the Quick Reference under A AUD.

Now listen to the CD you have selected. Evaluate the sound according to your own personal preferences. Now refer to "Sound impression/problem" in the table and you will find suggestions to eliminate any problems under "What to do". Make the settings for bass and the lower mid-range tones with the LOW EQ filter, · · Press DSC. Press / as often as necessary until "HIGH EQ" or "LOW EQ" appears in the display.

Press << or >> once and Set the level in the following table by pressing / . Press << >> to switch the frequency range. · · · Setting recommendations on the Internet Refer to our home page on the Internet http://www.blaupunkt.de to find setting recommendations for new vehicles on the market. 51 PORTUGUÊS ESPAÑOL SVENSKA Now you can compare the sound produced by your car stereo with and without the equaliser. NEDERLANDS to store your settings. · Press You can switch the equaliser on and off by pressing AUD for approximately 2 seconds. ITALIANO FRANÇAIS ENGLISH The acoustic characteristics of the car interior affect the quality of the sound reproduced in your vehicle to a much greater extent than the speakers. The individual steps you have to take to make these settings are described in the table.

select HIGH EQ for treble and mid-range tones. The "HIGH EQ" and "LOW EQ" filters can be set in the DSC menu: DEUTSCH Setting the equaliser Assistance in setting your equaliser Start to make your settings in the mid-range/treble and end it with the bass range. Frequency range Bass 30 100 Hz Sound impression / Problem Bass reproduction too weak What to do Boost the basses with the "LOW EQ" filter Frequency: 50 to 100 Hz Level: +4 to +6 dB Notes Avoid distortion. Boost the level carefully if the speaker diameter is too small.

Lower mid-range 100 400 Hz Unclear bass Playback reverberates Unpleasant pressure on the ears Reduce the lower mid-range with the "LOW EQ" filter Frequency: 125 to 400 Hz Level: approx. -4 dB The tone may become too lean and aggressive. Pay attention to the underlying tone of the music Mid-range sound 400 4 000 Hz Sound appears to be too much in the foreground, very aggressive, no stereo effect Reduce the mid-range with "HIGH EQ" filter Frequency: 1 000 to 2 500 Hz Level: -4 to -6 dB Playback should not be too quiet. Tone too powerless. Treble 4 000 20 000 Hz Lifeless reproduction Lack of transparency Instruments do not sparkle Boost treble range with "HIGH EQ" filter Frequency: approx. 10 kHz Level: +2 to +4 dB Avoid a piercing type of tone.

@@@@If you wish to alter any of the programming, · press DSC. @@@@Adjust the desired volume level with << >>. When adjusted to "VOL 0", the system will come on at the volume selected before it was switched off. Use this function to delete CD names during CD operation to make more storage capacity available for new discs. (See "Deleting CD names with DSC-UPDATE").

CD UPD / << >> Select function Adjust/recall value 53 PORTUGUÊS ESPAÑOL SVENSKA To read out the KeyCard data. The card supplied with the radio is used to display the model name, type number (7 6..) and the serial number. @@(See the section on "Short Additional Memory S. A.M."). @@Press << >> to set the hours/minutes. Move to the next position (flashing) by pressing / . To store the setting selected, press briefly. @@@@Switches the bandwidth in the FM frequency range. When there is a large number of stations within your current reception range, use << >> to switch to SHARX ON which will prevent most interference from adjacent radio stations. This function has been set to "SHARX ON" at the factory. Here you can choose between LED ON or LED OFF.

With LED ON, the KeyCard tongue will flash for extra anti-theft protection when the unit has been switched off and the KeyCard removed. COLOUR Gradually matches the radio illumination to the dashboard lighting. (green/orange) Acknowledgement tone for all functions which require a button to be pressed for more than one second. The volume can be adjusted from between 0 to 9. (0 = off). To adjust the seek tuning sensitivity. "LO" stands for local reception. "DX" stands for distant reception. Select "LO 3" if you want to receive strong stations in the local area, select "DX 1" if you want to tune into weaker stations which are further away. TA VOL BEEP SHARX To adjust the traffic announcement and warning beep volume from between 0 to 66. The message will then come through at this volume, if the standard volume is lower. If the standard volume is set higher than the TA VOL level, then the traffic report will be played at the standard volume. Use this function to set the scan time for the radio or CD player from 5 to 30 seconds. LO-DX SCANTIME LED ON STEREO/MONO Switch modes by pressing << >>. The mode selected will appear briefly in the display.

The radio will begin with STEREO playback each time it is switched on. 54 MW OFF LW, FM only LW OFF MW, FM only AM OFF FM only LOUDNESS Loudness - When listening at a low level, the Loudness function creates a more natural sound by boosting the low frequency range. LOUD 1 - Low boost LOUD 6 - Max. boost HIGH EQ Equaliser setting: To activate the frequencies and set the level for the upper frequency range. Refer to the detailed instructions in the section on "Equaliser setting".

CD NAME CD DISP To select the NAME or TIME display mode. Refer to the detailed instructions in the section on "Select display mode". Switches off the hour correction function. Read the information in the section on "Clock, Deactivating the hour correction function". CLK MAN 55 PORTUGUÊS To quit the DSC programming mode and store the adjustment: · Press DSC. ESPAÑOL SVENSKA NEDERLANDS ITALIANO Only available during CD playback. Use this function to name your CDs. (See "Entering CD names"). FRANÇAIS AM ON/OFF It is possible to block out one or both of the AM wavebands (MW/LW). This means you will select only the wavebands you want when you press BND: AM ON all wavebands are available LOW EQ Equaliser setting: To activate the frequencies and set the level for the lower frequency range.

Refer to the detailed instructions in the section on "Equaliser setting". Overview of the DSC factory settings CLOCKSET VOL FIX CD UPD PTY LANG READ KC LEARN KC SHARX LED COLOUR BEEP LO / DX TA VOL SCANTIME STEREO AM ON / OFF LOUDNESS HIGH EQ LOW EQ CD NAME CD DISP CLK AUTO / MAN 0 ENGLISH SHARX ON ON green 4 DX 1 30 10 sec. ON AM ON 3 0 dB/630 Hz 0 dB/32 Hz TIME CLK AUTO ENGLISH DEUTSCH Specifications Amplifier Output power: 4 x 23 W RMS power acc. to DIN 45324 at 14.4 V 4 x 35 W max. power Blaupunkt telephone hotline Address of the next service centre in your vicinity (only for Germany) If you would like to know the address of the next Blaupunkt service centre of your area without having our service list at hand: - Find out your area code. Then call the following chargeable phone number: 01 80 / 5 25 56 66. Using the area code to be entered you will be automatically given the address and phone number of the next Blaupunkt service centre. You can also request this information by fax. Tuner Wavebands: FM MW LW FM sensitivity: 87.

5 108 MHz 531 1602 kHz 153 279 kHz 0.9 µV at 26 dB signal-to-noise ratio FM frequency response: 20 - 16 000 Hz - CD player Frequency response: 20 - 20 000 Hz Subject to modifications! 56 Blaupunkt-Werke GmbH Bosch Gruppe 7/98 Pf K7/VKD 8 622 401 304 .