

Dls Ca 31 Manual



How to install and operate the DLS CA22, CA23, CA31, CA41 and CA51 car audio amplifiers.



Welcome!

This owners manual is written in easy english and uses a lot of drawings to simplify the installation and use of the above amplifiers.

Your DLS amplifiers must be installed correctly in order to work well. This manual will show you how to install the amplifier like a pro. Please read the entire manual before beginning the installation. Install the amplifier yourself if you feel confident with our instructions and if you have the proper tools. However if you feel unsure, turn over the installation job to someone better suited to it.

Warranty Service

This amplifier is covered by warranty, depending on the conditions in the country where it is sold. If the amplifier is returned for service, please include the original dated receipt with the product.



Technical Assistance

For technical assistance ask the shop where the product was sold or the distributor in your very country. You can always phone the DLS Helpdesk in Sweden + 46 31 84 00 66 or send an e-mail to info@dls.se. Information can also be found on our WEB-site www.dls.se

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Book Descriptions:

Dls Ca 31 Manual

Welcome! This owners manual is written in easy english and uses a lot of drawings to simply the installation and use of the above amplifiers. Your DLS amplifiers must be installed correctly in order to work well. This manual will show you how to install the amplifier like a pro. Please read the entire manual before beginning the installation. Install the amplifier yourself if you feel confident with our instructions and if you have the proper tools. However if you feel unsure, turn over the installation job to someone better suited to it. Warranty Service This amplifier is covered by warranty, depending on the conditions in the country where it is sold. If the amplifier is returned for service, please include the original dated receipt with the product. Technical Assistance For technical assistance ask the shop where the product was sold or the distributor in your very country. If the amplifier is returned for service, please include the original dated receipt with the product. Technical Assistance For technical assistance ask the shop where the product was sold or the distributor in your very country. We're committed to dealing with such abuse according to the laws in your country of residence. When you submit a report, we'll investigate it and take the appropriate action. We'll get back to you only if we require additional details or have more information to share. Note that email addresses and full names are not considered private information. Please mention this; Therefore, avoid filling in personal details. The manual is 0,81 mb in size. If you have not received an email, then probably have entered the wrong email address or your mailbox is too full. In addition, it may be that your ISP may have a maximum size for emails to receive. Check your email Please enter your email address. If the amplifier is returned for service, please include the original dated receipt with the product. <http://www.regiapart.si/uporabnik/file/canon-mf6530-parts-manual.xml>

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Technical Assistance For technical assistance ask the shop where the product was sold or the distributor in your very country. Wir setzen uns dafür ein, derartige Missbrauchsfall zu vermeiden. Wenn Sie eine Meldung übermitteln, überprüfen wir Ihre Informationen und ergreifen entsprechende Maßnahmen. Wir melden uns nur dann wieder bei Ihnen, wenn wir weitere Einzelheiten wissen müssen oder weitere Informationen für Sie haben. Beachten Sie, dass E-Mail-Adressen und der vollständige Name nicht als private Informationen angesehen werden. Das Handbuch ist 0,81 mb groß. Wenn Sie keine E-Mail erhalten haben, haben Sie wahrscheinlich die falsche E-Mail-Adresse eingegeben oder Ihre Mailbox ist zu voll. Darüber hinaus kann es sein, dass Ihr ISP eine maximale Größe für E-Mails empfangen kann. Überprüfen Sie Ihre E-Mail. Geben Sie bitte Ihre E-Mail-Adresse ein. Your DLS amplifiers must be installed correctly in order to work well. Warranty Service This amplifier is covered by warranty, depending on the conditions in the country where it is sold. If the amplifier is returned for service, please include the original dated receipt with the product. Tools and material needed. Tools Input Wiring CA41. Inputs may be low level from the. Page 8 Subwoofer CA22, 23 Page 9 Subwoofer CA31. Speaker wiring CA 31 Page 10 Four speakers CA41. Speaker wiring CA 41 One pair in Two fullrange speakers and one subwoofer. Page 11 active crossovers CA41. Speaker wiring CA 41 Speaker wiring CA 51 One pair in Subwoofer to CA51. Testing Troubleshooting SE40251 Göteborg, Sweden. By continuing to browse this site, you agree to this Click here to return to the Scoop.it home. Not only will it drive traffic and leads through your content, but it will help show your expertise with your followers. By redirecting your social media traffic to your website, Scoop.it will also help you generate more qualified traffic and leads from

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Such relationships can be included as polynominal If the refinement has converged, the approximate eigenvalues of the In the case of the Newton. Raphson procedure they are to be interpreted as follows Frequently, one may wish to compare the DLS model with the In space groups with no fixed origin one or DLS model along the respective axes. In order to divide a large job into several smaller jobs, the There are a number of additional features in the program for special Information on these can be found in the description of the data This part is intended for users who would like to understand the Numerous comment cards are included in the source deck which General. The standard version is dimensioned for The approximate memory requirements are therefore as follows The program uses 3 machine specific functions, namely A simplified flow chart giving an overview of the program is shown The main program, described below The subroutine calls are The subroutine names are given and their For simplicity only the more Main program. As indicated in the flow chart this routine controls the program The parameter file is also written by this Subroutine DATIN. All input data is handled by this routine. The cards are read twice, DATIN also contains the random The program is stopped by this Subroutine SYMOP. The coded symmetry information on the ATOM cards special positions The homogeneous, SIGNK, K, NEQU for the ATOM card number N and SYMEQ card number. NEQU, respectively. Similarly BIK, N contains the invariant part of SYMOP also calculates all dependent SETUP is called only in case of tetrahedral structures when TETCON The routine generates all distances BONDIS cards and eliminates equivalent distances. It sets up the This array is used in subroutine APID. Subroutine EQUI. This routine is called to test if two distances are symmetrically Subroutine DATOUT. The checked input data, i.e. the program control flags and the It has also a second Subroutine DISDER.

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The matrix and vector of the equations to be solved in each This involves mainly the calculation of The more important equations on This routine may be called to print the matrix and vector set up

by Subroutine INVERT and INCH. These two routines are used to calculate the inverse matrix. TheyAs a further option a diagonal Subroutine APID. Subroutine APID adjusts in an iterative manner the prescribed This function expresses the Prescribed OO distances are calculated using an ideal tetrahedral For calculating the. TT distances the TOT angle supplied on the BONDIS card is used. The routine also checks whether the observed distances are within. The calculations are mainly XRAYSYSTEM. Each data card has a name consisting of up to six Currently the following Generally not TITLE card optional Cols. Specified punching or function of the field Note If the card is not supplied or a field is left blank, In an APID run the program will mark with Cols. Specified punching or function of the field Note If the card is not supplied or the field is left blank, Note Only the parameters which are independent for a given Angles in degrees and Note For each symmetrically independent atom an ATOM card must Special positions. Special positions are written in the form commonly used, e.g. X,2X,Z whereby the following special rules must be observed The following symbols may be used to describe a special position. Blanks may be included anywhere, the comma is used as Examples The coordinate fields cols. 14 37 of dependent or fixed Cols. Specified punching or function of the field The symmetry operation can be punched in free format in the same The transformations For atoms in The following symbols may be used to state the symmetry operation. Blanks may be included anywhere, the comma is used as Examples all acceptable Using this card parameters atom coordinates, cell parameters which There are two formats for X, Y and Z may be If the cols.

14, 17 and 20 are left blank, all three coordinates are In this case only Note A NOREF CELL card is only necessary in case of cell Additionally it is used to specify TOT angle. If an APID run adjusted prescribed interatomic TOT angles in the model. The card contains the bond type, the distance function for this bond Cols. Specified punching or function of the field Note This card must be supplied if the error equations On one card the central atom and the atoms of its first and second Together with the information from the BONDIS card, the program This saves punching all In an APID run the TETCON card supplies all the necessary Cols. Specified punching or function of the field Note All labels of atoms considered must appear either on an Special positions. Only those TO bonds which are symmetrically independent must be For each independent TO bond the outer Tatom must also be given Bonds or distances which are In addition a reference distance Cols. Specified punching or function of the field If the field If this field is left blank Example with constant ratio refinement According to these Note Constant ratio refinement and APID refinement can not be Cols. Specified punching or function of the field Further terms of the restriction are punched in the same manner in In this way up to 5 terms can be punched per card. The restriction A restriction may Although the FILES card can be placed anywhere in the data deck it In this case, it has to be inserted after Please note that when a refinement is divided into several jobs, the Cols. Specified punching or function of the field The default values set by the program in subroutine DATIN If a field is left blank, the file number is not changed. In the The file number 7 is assigned to the Cols. Specified punching Cols. Specified punching When requested in column 50 of the DLS76 card the refined Currently the following card If the residual Cols.

Specified punching or function of the field Note The correction factors will also be written on the parameter Thus SYMEQ cards and TETCON cards The program assumes the four shortest. TO and TT bonds to be the correct connections and therefore the Cols. Specified punching or function of the field The symmetry This may be used as Note The GENER card should appear after the ATOM cards in The TETCON cards must also The first example is a straightforward. DLS refinement and can be used to check the basic operations Example 1 Low quartz type structure of AlPO_4 . AlPO_4 has a quartz type structure which was refined in space The following data Unit cell parameters hexagonal system. Atomic positions There are 4 atoms in the asymmetric For each of these atoms an ATOM card has to be punched, Further atoms supplied on. SYMEQ cards have to be included in order to be

able to Besides a new atom label Interatomic distances In the present example the interDISTAN card is punched. Each such card contains the atom LOUISNATHAN and GIBBS 1972 and the OO distances are calculated. The input and output for this example using the Newton-Raphson procedure is reproduced below. The refinement of the parameters, the shifts and the analysis is a framework silicate and is normally described Na₁₆Al₁₆Si₃₂O₉₆ · 16 H₂O, which, if fully ordered, is in MEIER 1973 therefore Si, Al ordering assuming a likely distribution scheme. A recent neutron diffraction study FERRARIS et al., 1972 O in 96h.1042814.1344016.2193212 x,y,z T₂Si in 32g.08792.12500.33792 x,y,z. O₁ in 32g.10428.13440.21932. O₂ in 32g.14572.03068.38440. O₃ in 32g.13440.21932.39572. These parameters are punched on ATOM cards and could be used. However, they still possess cubic Tables Vol. I, page 142 The values on the TO enable actual Such cards are usually As pointed out in Section 1 the symmetrized DLS coordinates These restrictions are applied as In this example the 3fold axes are These equations are punched on LINRES cards.

The weights The distance error equations for this example are generated TETCON card are also printed. Despite the near random The parameter shifts, the interatomic distances, the diff For the inter A list of all Convergence is reached after DLS model and the reference structure are given in the last DATIN. Symbols marked with an asterisk are read as input data. The control integers on the DLS76 card are explained in. Section 3. Contains the variable number KTYPE Atom type symbol. LDRNDO Variable number of prescribed distance LINDNRE Term number of the variable which is LINHNRE If the linear restriction NRE is a hard LJM DOBLJM is the prescribed distance MDNZA, 18 Index to the D and DOB arrays of all Number of the atom in the Only upper triangle is stored as Translational part of symmetry Nontranslational homogeneous part This variable is only defined when Weights assigned to TO, OO and TT The symbols used Given a set of m weighted distance error equations and q weighted If in addition to Type of Newton-Raphson Gauss-Newton. Variables If we define A matrix containing the deriva ALINI, KB matrix containing the homoge BI, K, N includes Dj calculated interatomic di DJDj0 prescribed distance DOBJ. Dr0 variable prescribed distance DOBLJJR auxiliary quantity matrix BAUR W.H. 1977 Computer Simulation of Crystal Structures. Phys. BROWN G.E., GIBBS G.V. and RIBBE P.H. 1969 The Nature and BUSING W.R. and LEVY H.A. 1962 A Procedure for Inverting Large DEMPSEY M.J. and STRENS R.G.J. 1976 Modelling Crystal Structures. DOLLASE W.A. and BAUR W.H. 1976 The Superstructure of Meteoritic GRAMLICH V. and MEIER W.M. 1971 The Crystal Structure of Hydrated GUIGAS B. 1975 Verfeinerung von Kristallstrukturen mit dem KHAN A.A. 1976 Computer Simulation of Thermal Expansion of Non MEIER W.M. 1973 Symmetry Aspects of Zeolite Frameworks. Adv. MEIER W.M. and VILLIGER H. 1969 Die Methode der TILLMANN E., GEBERT W. and BAUR W.H. 1973 Computer Simulation of VILLIGER H. 1969 DLS Manual. Institut fuer Kristallographie und WASER J.

1963 Least Squares Refinement with Subsidiary Conditions. Bridgeable design to direct full power to one or two subwoofers. Apply silicon grease to the fuse to prevent corrosion. Power Use a 50 Amp fuse for all. Page 5 Input and controls Input Wiring Inputs may be low level from the RCA output of the car stereo or high level from the car stereo speaker output. Low level input Use a pair of shielded stereo audio. When using High Level input Push in the button to position Hi level "Hi Level" Low level When using Low level input Push out the button to position "Low Level" If the switch is set to wrong position, the. Lower impedances may damage the amplifier. In bridge mode the amplifier sees a 4 ohm load as 2 ohm. HPF Subsonic 50Hz 220Hz 40Hz 100Hz 15Hz 500Hz 15Hz 150Hz Filter settings Off On. If you for some reason want to limit the low bass reproduction switch on the HPF filter. Page 10 CA41 Speaker wiring CA 41 Four fullrange speakers to CA41. One pair in front and one pair in rear. If you for some reason want to limit the low bass reproduction switch on the. Page 12 CA51 Speaker wiring CA 51 Four fullrange speakers to CA51. Rear speakers Subwoofer to CA51 The CA51 is a five channel amplifier. For speaker connections on these channels you can use the examples for CA41. Channel E is a subwoofer mono channel with a lowpass filter adjustable. If problems occur during the installation, or later, this guide might help you to find out what's wrong.

Reconnect Battery When wiring is complete, reconnect the battery negative terminal. Test power wiring 1. 2. Turn on the head unit. WHINING NOISE VARYING WITH ENGINE REVOLUTIONS All speakers in a car audio system should be connected in phase the same polarity. All speaker cones must move in the same direction. Out of phase speakers will cause a lack of bass, and a poor stereo soundstage. Do this 1. Rewire the power supply 12 V to.

By combating wage theft, protecting workers from retaliation, and educating the public, we put earned wages into workers pockets and help level the playing field for lawabiding employers. This office is also known as the Division of Labor Standards Enforcement DLSE. Any hearings that were originally scheduled from October 9 through October 27 will be rescheduled. Any conferences initially scheduled October 9 through October 20 will be rescheduled. The deputy assigned to any case affected by the rescheduling of a hearing or conference will follow up with all involved parties to provide revised dates. Cualquier audiencia inicialmente programada entre 9 al 27 de octubre sera reprogramada. Cualquier conferencia inicialmente programada entre el 9 al 20 de octubre sera reprogramada. El subcomisionado laboral asignado a cualquier caso afectado por la reprogramacion de una audiencia o conferencia hara seguimiento con todas las partes involucradas para proveer fechas nuevas. The new law addresses the "employment status" of workers when they are claimed to be an independent contractor and not an employee. For more information, see Frequently Asked Questions page. Tools and resources for employers, employees and unions to comply with the Equal Pay Act are now available. If you believe your employer has paid those wages to the Labor Commissioner on your behalf, please complete this form and mail to the address below or take it to any local office of the Labor Commissioner. Please complete and submit a separate form for every employer who you think may have paid your wages to the Labor Commissioner. Professional Tip. Professional TipAll speaker cones must move in the same direction. Out ofDo thisThis can belf so the leads areIf noise remains regardless of cable position,Quasibalanced. Installing in trunk. When installing the amplifier in the trunk, run theChecking polarityThe cone should moveIf it is theIf your system also has a subwoofer connectedBatteryProfessional Tip.

Securing wires. Use wire ties to bundle together when possible.Professional Tip. Crimp connections. Purchase crimp connectors and crimping tool. Connectors are color coded.Professional Tip. Speaker and power wires. Do not run speaker and power wires next to each. Lastmanuals provides you a fast and easy access to the user manual DLS CA41. We hope that this DLS CA41 user guide will be useful to you. How to install and operate the DLS CA22, CA23, CA31, CA41 and CA51 car audio amplifiers. This owners manual is written in easy english and uses a lot of drawings to simply the installation and use of the above amplifiers. The filter can be switched off if you want to run the amplifier in full range mode. Low Pass FilterOff On. Off 24 dB 12dB. This is very useful when you want to adjust the bass sound for best front stage image. Start on 0 and turn the control slowly clockwise until you experience that the bass sound is coming from the front. If you dont get the result you want, also try to PHASE phase reverse the subwoofer connections and make 0 180 a new adjustment. 6Choose the slope and the setting that sounds best in your car. This is described in a speaker wiring and filter setting example on page 11. LPF Multiply. The CA31 is a three channel amplifier. The C channel is for subwoofers and has a subsonic filter, a variable low pass filter, 50120 Hz, and a phase control variable from 0 180 degrees. The subsonic filter can be switched INOUT and has a fixed frequency of 25 Hz. Off OnThe CA51 is a five channel amplifier. Channel E is a subwoofer mono channel with a lowpass filter adjustable from 60 to 120 Hz. The CA51 has also a phase control variable from 0 180 degrees. Filter settingsSubsonicNOTE!Filter settingsOff On. Off OnSubsonicWHINING NOISE VARYING WITH ENGINE REVOLUTIONS Do this 1. Check quality of earth strap connection from battery negative terminal to chassis. Test this by laying a new cable over the seats and reconnecting to the amplifier.

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incomplete, in a different language than yours, or if the model or language do not match the description. Last manuals, for instance, does not offer a translation service. PC1565 Software Version 2.4ZD DLS3 v1.3 and higher The entire manual should be carefully read. Installation Manual PC1565 Software Version 2.4ZD DLS3 v1.3 and higher 2 WARNING Please Read Carefully Note to Installers This warning contains vital information. As the only individual in contact with system users, it is your responsibility to bring each item in this warning to the attention of the users of this system. System Failures This system has been carefully designed to be as effective as possible. There are circumstances, however, involving fire, burglary, or other types of emergencies where it may not provide protection. Any alarm system of any type may be compromised deliberately or may fail to operate as expected for a variety of reasons. Some but not all of these reasons may be Inadequate Installation A security system must be installed properly in order to provide adequate protection. Every installation should be evaluated by a security professional to ensure that all access points and areas are covered. Locks and latches on windows and doors must be secure and operate as intended. Windows, doors, walls, ceilings and other building materials must be of sufficient strength and construction to provide the level of protection expected. A reevaluation must be done during and after any construction activity. Criminal Knowledge This system contains security features which were known to be effective at the time of manufacture. It is possible for persons with criminal intent to develop techniques which reduce the effectiveness of these features.

It is important that a security system be reviewed periodically to ensure that its features remain effective and that it be updated or replaced if it is found that it does not provide the protection expected. Access by Intruders Intruders may enter through an unprotected access point, circumvent a sensing device, evade detection by moving through an area of insufficient coverage, disconnect a warning device, or interfere with or prevent the proper operation of the system. Power Failure Control units, intrusion detectors, smoke detectors and many other security devices require an adequate power supply for proper operation. If a device operates from batteries, it is possible for the batteries to fail. Even if the batteries have not failed, they must be charged, in good condition and installed correctly. If a device operates only by AC power, any interruption, however brief, will render that device inoperative while it does not have power. Power interruptions of any length are often accompanied by voltage fluctuations which may damage electronic equipment such as a security system. After a power interruption has occurred, immediately conduct a complete system test to ensure that the system operates as intended. Failure of Replaceable Batteries This system's wireless transmitters have been designed to provide several years of battery life under normal conditions. The expected battery life is a function of the device environment, usage and type. Ambient conditions such as high humidity, high or low temperatures, or large temperature fluctuations may reduce the expected battery life. While each transmitting device has a low battery monitor which identifies when the batteries need to be replaced, this monitor may fail to operate as expected. Regular testing and maintenance will keep the system in good operating condition.

Compromise of Radio Frequency Wireless Devices Signals may not reach the receiver under all circumstances which could include metal objects placed on or near the radio path or deliberate jamming or other inadvertent radio signal interference. System Users A user may not be able to operate a panic or emergency switch possibly due to permanent or temporary physical disability, inability to reach the device in time, or unfamiliarity with the correct operation. It is important that all system users be trained in the correct operation of the alarm system and that they know how to respond when the system indicates an alarm. Smoke Detectors Smoke detectors that are a part of this system may not properly alert occupants of a fire for a number of reasons, some of which follow. The smoke detectors may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walls or roofs, or on the other side of closed doors. Smoke detectors may not detect smoke from fires on another level of the residence or building. Every fire is different in the amount of smoke produced and the rate of burning. Smoke

detectors cannot sense all types of fires equally well. Smoke detectors may not provide timely warning of fires caused by carelessness or safety hazards such as smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches or arson. Even if the smoke detector operates as intended, there may be circumstances when there is insufficient warning to allow all occupants to escape in time to avoid injury or death. Motion Detectors Motion detectors can only detect motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intruders and intended occupants. Motion detectors do not provide volumetric area protection.

They have multiple beams of detection and motion can only be detected in unobstructed areas covered by these beams. They cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows. Any type of tampering whether intentional or unintentional such as masking, painting, or spraying of any material on the lenses, mirrors, windows or any other part of the detection system will impair its proper operation. Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. Some of these heat sources could be heaters, radiators, stoves, barbeques, fireplaces, sunlight, steam vents, lighting and so on. Warning Devices Warning devices such as sirens, bells, horns, or strobes may not warn people or waken someone sleeping if there is an intervening wall or door. If warning devices are located on a different level of the residence or premise, then it is less likely that the occupants will be alerted or awakened. Audible warning devices may be interfered with by other noise sources such as stereos, radios, televisions, air conditioners or other appliances, or passing traffic. Audible warning devices, however loud, may not be heard by a hearingimpaired person. Telephone Lines If telephone lines are used to transmit alarms, they may be out of service or busy for certain periods of time. Also an intruder may cut the telephone line or defeat its operation by more sophisticated means which may be difficult to detect. Insufficient Time There may be circumstances when the system will operate as intended, yet the occupants will not be protected from the emergency due to their inability to respond to the warnings in a timely manner.

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