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You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO CR-185X. You'll find the answers to all your questions on the ONKYO CR-185X in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

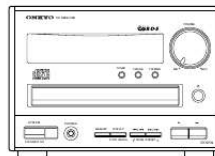
User manual ONKYO CR-185X
User guide ONKYO CR-185X
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ONKYO



CR-185X

CD Receiver
Instruction Manual



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Manual abstract:

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31 Thank you FOR U.S.A. @@@@Please retain this manual for future reference. FOR CANADIAN MODEL POUR LE MODELE CANADIEN q
Features s 20 Watts Per Channel into 4 ohms, 1kHz, DIN s Exceptionally Compact s Unique CD Player and Receiver Combination s 4-Ohm Drive --
extremely uncommon for a component this size -- the result of superior thermal engineering and high quality parts; can handle the widest variety of speakers
without distortion or cutting off s Oversized, High-Current Power Transformer with heavyduty shielding minimizes flux leakage and provides better dynamic
impact (strong bass, clear transients, subtlety in music) s Optical Digital Output for optimum digital-to-digital performance when connected to a DAT deck,
MiniDisc recorder, amp or receiver with direct digital inputs s Line-In Input for quick, easy connection to a TV, VCR or any other analog component s Costly
Discrete Output Stage Circuits for superior sonic characteristics, enhanced cooling and high-current handling capability s Solid Aluminum Front Panel for
added value and long-term elegance -- further evidence of Onkyo's attention to detail s RI Compatible Full-Function Remote with logical layout to enhance
operation ease Supplied accessory Remote control (1) For models having a power cord with a polarized plug. CAUTION: TO PREVENT ELECTRIC SHOCK,

MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT. Sur les modèles dont la fiche est polarisée. POUR ÉVITER LES CHOCS
ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER
JUSQU'AU FOND q ATTENTION: FOR EUROPEAN MODEL Declaration of Conformity We, ONKYO EUROPE ELECTRONICS GmbH

INDUSTRIESTRASSE 20 82110 GERMERING, GERMANY declare in own responsibility, that the ONKYO product described in this instruction manual is in
compliance with the corresponding technical standards such as EN55013, EN55020, EN61000-3-2, -3-3 and EN60065 GERMERING, GERMANY K.OTSU
ONKYO EUROPE ELECTRONICS GmbH ATTENTION FOR BRITISH MODEL Replacement and mounting of an AC plug on the power supply cord of this
unit should be performed only by qualified service personnel. IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral Brown: Live As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the
terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N
or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED. IMPORTANT A 5 amp
fuse is fitted in this plug. @@Check for the ASTA mark or the BSI mark on the body of the fuse. @@@@NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. " q The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to
alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of
electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and
maintenance (servicing) instructions in the literature accompanying the product. Important safeguards 1. 2. 3.

4. 5. 14. Power Lines An outdoor antenna should be located away from power lines. 15.

Nonuse Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time. 16. Object and Liquid Entry
Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings. 17. Damage Requiring Service The
appliance should be serviced by qualified service personnel when: A.

The power-supply cord or the plug has been damaged; or B. Objects have fallen, or liquid has been spilled into the appliance; or C. The appliance has been
exposed to rain; or D. The appliance does not appear to operate normally or exhibits a marked change in performance; or E. The appliance has been
dropped, or the enclosure damaged. 18. Servicing The user should not attempt to service the appliance beyond that described in the operating instructions.
All other servicing should be referred to qualified service personnel. 19. Outdoor Antenna Grounding If an outside antenna is connected to the receiver, be
sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure,
grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding
electrodes, and requirements for the grounding electrode. See Figure 73.1. Read Instructions All the safety and operating instructions should be read before
the appliance is operated. Retain Instructions The safety and operating instructions should be retained for future reference. Heed Warnings All warnings on
the appliance and in the operating instructions should be adhered to. Follow Instructions All operating and use instructions should be followed. Water and
Moisture The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a
swimming pool, and the like. 6. Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.

PORTABLE CART WARNING 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may
cause the appliance and cart combination to overturn. S3125A 7. 8.

Wall or Ceiling Mounting The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer. Ventilation The appliance should
be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug,
or similar surface that may block the ventilation openings; or if placed in a built-in installation, such as a book case or cabinet that may impede the flow of
air through the ventilation openings, there should be free space of at least 20 cm and open up behind the appliance. FIGURE 73.1: EXAMPLE OF ANTENNA
GROUNDING AS PER NATIONAL ELECTRICAL CODE 9.



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Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat. ANTENNA LEAD IN WIRE GROUND CLAMP ANTENNA DISCHARGE UNIT (NEC SECTION 810-20) ELECTRIC SERVICE EQUIPMENT

10. Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance. 11. Polarization If the appliance is provided with a polarized plug having one blade wider than the other, please read the following information: The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble inserting it, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug. 12.

Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, especially near plugs, convenience receptacles, and the point where they exit from the appliance. 13. Cleaning The appliance should be cleaned only as recommended by the manufacturer. GROUNDING CONDUCTORS (NEC SECTION 810-21) GROUND CLAMPS POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H) NEC NATIONAL ELECTRICAL CODE S2898A 3 Special cautions for CD player This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure. FOR CANADIAN MODEL: (POUR LE MODELE CANADIEN) · THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSION FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS. · L'INTERFERENCE, RADIO ELECTRIQUE GENEREE PAR CET APPAREIL NUMERIQUE DE TYPE B NE DEPASSE PAS LES LIMITES ENONCEES DANS LE REGLEMENT SUL LES PERTURBATIONS RADIO ELECTRIQUES, SECTION APPAREIL NUMERIQUE, DU MINISTERE DES COMMUNICATIONS. DANGER: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM. CAUTION: THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. FOR U.S. A. MODEL: 1. The laser is covered by a housing which prevents exposure during operation or maintenance. However, this product is classified as a Laser Product by CDRH (Center for Devices and Radiological Health) which is a department of the Food and Drug Administration. According to their regulations 21 CFR section 1002.

30, all manufactures who sell Laser Products must maintain records of written communications between the manufacturer, dealers and customers concerning radiation safety. If you have any complaints about instructions or explanations affecting the use of this product, please feel free to write to the address on the back page of this manual. When you write us, please include the model number and serial number of your CD receiver. 2. In compliance with Federal Regulations, the certification, identification and the period of manufacture are indicated on the rear panel. 3. FCC INFORMATION FOR USER CAUTION: Changes or modifications not expressly appd damp and dusty places and places directly affected by vibrations from the speakers. In particular, avoid placing the unit on or above one of the speakers. · Be sure this unit is placed in a horizontal position. Never place it on its side or on a slanted surface as it may malfunction.

· Do not place near tuners or TV sets. If placed next to a TV or tuner, it may cause reception interference resulting in some noise in the TV or tuner output. 8. Points to remember · If this unit is brought from a cold environment to a warm one or is in a cold room that is quickly heated, condensation may form on the pickup, preventing proper operation. In this case, remove the disc and leave the power ON for about one hour to remove the condensation. · Always close the disc tray when not loading or unloading discs to protect delicate internal parts from dust. · Whennput that appears in the display ("LINE" in step 1 above) can be changed according to the connected component. 1. Press the CD/LINE button and "LINE" appears on the display. 2.

Hold down the MEMORY button and continue pressing the DISPLAY button until the desired name appears on the display. With each press of the button, the name changes one at a time in the following sequence: LINE BS CS-PCM DIGITAL OUTPUT jack When an MD recorder or DAT deck is connected, a digital sound can be recorded. For more details, refer to the instruction manual of the other components. Separately sold optical fiber cables are used to connect these components. Note: · A terminal protection cap is attached to the digital input terminal.

Remove this cap when connecting the CR-185X to other digital equipment. When you are not using the optical digital input terminal, replace the cap. · Bending optical cables or coiling them too tightly can distort the optical fibers inside and degrade performance. Never wrap optical cables into a coil with a radius tighter than about one inch (4cm). General connections · Do not plug in the power cord until all connections have been made.

· On each pair of jacks, the jack (marked R) corresponds to the right channel, and the jack (marked L) to the left channel. · Please refer to the instruction manual of each component when making any connections. BS tuner, etc. ANTENNA CR-185X FM 75 OPTICAL R LINE IN OUT/PUT (REC) L DIGITAL OUTPUT R L SPEAKERS CAUTION : SPEAKER IMPEDANCE 4OHMS MIN. / SPEAKERS Cassette deck TAPE CD RECEIVER INPUT (PLAY) OUTPUT (REC) MODEL NO. RATING: MD INPUT (PLAY) 2-1, NISSHIN-CHO, NEYAGAWA-SHI, OSAKA MADE IN JAPAN R L MD, DAT, etc. REMOTE CONTROL 6 System connections Connecting the CR-185X to the K-185X and MD-185X q q q q q q Do not plug in the power cord until all connections have been made. For each pair of connectors, the connector marked R corresponds to the right channel, and the connector marked L to the left channel. Refer to the instruction manual of each component when making connections. Do not place the MD recorder or cassette deck on top of the CR-185X.

Fully insert all plugs. Improper insertion of plugs may cause noise or a malfunction of the system. Avoid bundling the audio connection cables with the power cord or speaker cables. Doing so may degrade the sound reproduction. CR-185X ANTENNA FM 75 OPTICAL R LINE IN OUT/PUT (REC) L DIGITAL OUTPUT R L SPEAKERS CAUTION : SPEAKER IMPEDANCE 4OHMS MIN.



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/ SPEAKERS TAPE CD RECEIVER INPUT (PLAY) OUTPUT (REC) MODEL NO. RATING: MD INPUT (PLAY) 2-1, NISSHIN-CHO, NEYAGAWA-SHI, OSAKA MADE IN JAPAN R L REMOTE CONTROL R L LINE IN (REC) (PLAY) LINE OUT R L AC OUTLET AC230V 50Hz UNSWITCHED 100W MAX. To wall outlet REMOTE CONTROL LINE IN LINE OUT (REC) (PLAY) REMOTE CONTROL L L AC OUTLET AC230V 50Hz UNSWITCHED 100W MAX. R R 1 DIGITAL INPUT OPTICAL 2 K-185X MD-185X Connecting the CR-185X to the K-185X ANTENNA FM 75 Connecting the CR-185X to the MD-185X ANTENNA OPTICAL R LINE IN OUT/PUT (REC) L DIGITAL OUTPUT R L SPEAKERS CAUTION : SPEAKER IMPEDANCE 4OHMS MIN. / SPEAKERS CR-185X LINE IN OUT/PUT (REC) FM 75 OPTICAL R L DIGITAL OUTPUT R L SPEAKERS CAUTION : SPEAKER IMPEDANCE 4OHMS MIN. / SPEAKERS CR-185X TAPE CD RECEIVER TAPE CD RECEIVER INPUT (PLAY) OUTPUT (REC) MODEL NO. RATING: INPUT (PLAY) OUTPUT (REC) MODEL NO. RATING: MD INPUT (PLAY) 2-1, NISSHIN-CHO, NEYAGAWA-SHI, OSAKA MADE IN JAPAN MD INPUT (PLAY) 2-1, NISSHIN-CHO, NEYAGAWA-SHI, OSAKA MADE IN JAPAN R L R L REMOTE CONTROL REMOTE CONTROL R L LINE IN (REC) AC OUTLET AC230V 50Hz UNSWITCHED 100W MAX. To wall outlet REMOTE CONTROL (PLAY) LINE OUT R L To wall outlet LINE IN LINE OUT (REC) (PLAY) REMOTE CONTROL L L AC OUTLET AC230V 50Hz UNSWITCHED 100W MAX. R R 1 2 K-185X DIGITAL INPUT OPTICAL MD-185X 7 System connections

Connecting the FM indoor antenna The FM indoor antenna is for indoor use only.

Move the antenna in various directions until the clearest signal is received. Fix it with push pins in the position with the least distortion. FM 75 ANTENNA Connecting the FM outdoor antenna If clear signals cannot be received using only the enclosed FM indoor antenna, connect an outdoor FM antenna as needed. Be sure that the outdoor FM antenna is positioned as follows: · Keep the antenna away from noise sources, such as neon signs and busy roads. · Do not position it near power lines, etc.

This is very dangerous. ANTENNA FM 75 This adapter is only supplied with models other than the European model. Remote control connections ANTENNA FM 75 OPTICAL R LINE IN OUTPUT (REC) L DIGITAL OUTPUT R L SPEAKERS CAUTION: SPEAKER IMPEDANCE 4 OHMS MIN./SPEAKER TAPE INPUT (PLAY) OUTPUT (REC) CD RECEIVER MODEL NO. RATING: MD INPUT (PLAY) 2-1, NISSHIN-CHO, NEYAGAWA-SHI, OSAKA MADE IN JAPAN Cassette tape decks and MD recorder that are equipped with an Onkyo jack can be operated using the remote control included with this unit. To enable remote control operation of other components, connect the remote control cable as shown at the left. Note: · To enable proper remote control operacables and the audio tion, both the cables must be connected to the units. · This unit's remote control cannot be used to control Onkyo turntables. · An cable equipped with 1/8" (3.5 mm) mini plug is included with any other conneccomponent installed with an tor.

R L REMOTE CONTROL 8 System connections Connecting the speaker cables 1 2 3 1. Open the lever. 2. Twist wire ends very tight, and insert the wire. 15 mm 3. Close the lever. Connecting speakers · SPEAKER IMPEDANCE: 4 OHMS MIN/SPEAKERS Never allow the bare wires in the speaker cables to touch each other. Do not connect a speaker with a low impedance as this will cause trouble. · Connect the red cables to the + terminals of this unit, and the black cables to the - terminals of this unit. · Do not use unnecessarily long or extremely thin speaker cables .

If the DC resistance of the speaker cables is too high, the damping factor will decrease, adversely affecting the sound quality. · When using only one speaker or when you wish to listen to monaural (mono), the single speaker should never be connected in parallel to both the right and left channel terminals at the same time. NO L SPEAKERS CAUTION : SPEAKER IMPEDANCE 4OHMS MIN. / SPEAKERS Note: To prevent damage to circuitry, never short-circuit the positive (+) and negative (-) speaker wires. R ++ R L ++ R L Connecting the power · Before plugging in the unit, confirm that all connections have been made properly.

· Before turning on the power, be sure that the VOLUME knob is fully turned counterclockwise. · Turning on this unit's power may cause a momentary power surge, which might interfere with other electrical equipment, such as computers. If so, use a wall outlet on a different circuit. Plugging the CR-185X's power cord into an AC outlet puts the unit in stand-by status (the time flashes in the display). Pressing the SYSTEM switch turns on the unit and lights up the display. If this switch is pressed again, the unit returns to the stand-by status. The POWER button on the remote control is used in the same way as the SYSTEM switch on the CR-185X. SYSTEM switch CD RECEIVER VOLUME TUNER CD/LINE TAPE/MD MIN MAX SYSTEM PHONES MEMORY DISPLAY STAND-BY/ ON AUTO / MONO TUNING / PRESET 9 Control Positions and Names 1 2 3 CD RECEIVER VOLUME TUNER CD/LINE TAPE/MD MIN MAX SYSTEM PHONES MEMORY DISPLAY STAND-BY/ ON AUTO / MONO TUNING / PRESET CR-185X 11 10 9 8 7 6 5 4 c a TIMER CD W.DAY W.END MEMORY REC REPEAT SLEEP RANDOM h d TRACK AUTO b e MONO f g i j k RDS S T STEREO MIN MUTING kHz S.BASS MHz DIRECT r q p o n m l · · If there is a protective film covering the display and making reading difficult, remove it. For more information about a button or control, turn to the page number listed in square brackets ([]). Front Panel 1. TUNER, CD/LINE and TAPE/MD input selector buttons [13,15-18] 2. VOLUME control knob [13] 3.

(open/close) button [19,23] 4. (play button) [19,22] 5. (stop button) [19,22,23] 6. , (skip/search) and , (tuning/preset) buttons [16,17,20,22] 7. DISPLAY and AUTO/MONO button [17,23,24] 8. MEMORY button [15-17,22,24] 9. PHONES jack [13] 10. Remote sensor [5] 11. SYSTEM/STAND-BY/ON button [9] Display a b c d e f g h i j k l m n o p q r CD indicator MEMORY indicator / (play/pause) indicator TRACK indicator AUTO/MONO indicator RDS indicator Remaining time indicators Sleep time indicator Tuning indicator STEREO indicator MUTING indicator S.BASS (super-bass) indicator DIRECT indicator Frequency indicators Multi display Displays the source, frequency, time, etc.

REPEAT indicator RANDOM indicator Timer setting indicators 10 Control Positions and Names Remote control 1. POWER button [9,26,27] 2. SLEEP button [28] 3. TUNER operation buttons [12,17] PRESET : Preset memory up/ down buttons CLOCK CALL : Time display button 4.



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MODE SELECTOR buttons TIMER : Timer button [12,24-27] TONE : Tone button [14] ENTER : Enter button [12,24-27] , : Up/Down buttons [12,14,24-27] 5.

INPUT SELECTOR buttons [13,15-18] The AM button cannot be used with the CR-185X. 6. CD operation buttons : Pause button [19] : Play button [19,22] : Stop button [19,22,23] : Down button [20,22] : Up button [20,22] REPEAT : Repeat button [21] RANDOM : Random button [21] MEMORY : Memory button [22] CLEAR : Clear button [23] DISC MODE These buttons cannot be DISC 1, 2, 3 used with the CR-185X. 7. DIRECT button [14] 8.

S.BASS (super bass) button [14] 9. MUTING button [13] 10. VOLUME buttons [13] 11. Number buttons [12,20,22,25] connections When you have made the mentioned on page 8, you will be able to use the following buttons. 12. MD recorder operation buttons (MD) : Play button : Stop button : Down button : Up button : Pause button REC : Rec button REPEAT : Repeat button SCROLL : Scroll button CLEAR : Clear button PLAY MODE: Play mode selection button 13. @@The time will flash until you set the clock. @@1. @@2.

@@@@@@@@@@@@@@@@@. You can set the time accurately from the TV or radio news. @@@@Press the button again to return to the previous display. @@@@CD). Also check that the MUTING indicator is not lit. 2. Start playing the selected input source. Follow the operating instructions for that unit. If FM is selected, refer to "Listening to the radio". 3. Adjust the level.

@@@@@4. Adjust the tone and balance. @@@@@@Press the TONE button repeatedly until "BAS" is displayed. 2. Press the or button to adjust the bass.

The bass can be adjusted from 10 to +10. @@Adjusting the treble: 1. Press the TONE button repeatedly until "TRE" is displayed. 2. Press the or button to adjust the treble.

The trable can be adjusted from 10 to +10. TONE UP/DOWN Adjusting the balance: 1. Press the TONE button repeatedly until "BAL" is displayed. 2. Press the or button to adjust the balance. · The right channel can be adjusted from R1 to R3. · The left channel can be adjusted from L1 to L3. · The normal position is 0. @@@@@@1. Select the FM band.

Press the TUNER button on the CR-185X. 2. Start the auto memory. @@@@@@. The mode stops when the maximum frequency is reached. Note: · A maximum of 30 FM preset stations can be stored. @@@@@@1. Select the FM band. Press the TUNER button on the CR-185X. 2. Select the frequency. By holding down either TUNING/PRESET button (for a second or more), the auto tuning system will work and the frequency display automatically stops when a station is tuned in. To tune in the frequency better, press the TUNING/PRESET button or TUNING/PRESET button while the frequency flashes on the display. 3. Press the MEMORY button and select the station number. After pressing the MEMORY button, press the TUNING/PRESET button to increase the station number or press the TUNING/PRESET button to decrease the station number.

· Press the MEMORY button within 8 seconds, or else the memory mode will be cancelled. · Be sure not to hold down the MEMORY button, or else the auto memory mode will start accidentally. 4. Press the MEMORY button again. If a frequency has already been stored in the station number, it will be replaced by the new one.

· Repeat steps 2 - 4 to continue programming. Note: · If the FM station received is an RDS station with a PS (Program Service name), the frequency display will not change. (Refer to page 18 for more details on the RDS function.) 4 MEMORY AUTO MONO kHz STEREO turned off 16 Listen to the Radio CD RECEIVER VOLUME 1 TUNER CD/LINE TAPE/MD MIN MAX 2 SYSTEM PHONES MEMORY DISPLAY STAND-BY/ ON AUTO / MONO TUNING / PRESET AUTO/MONO MEMORY Selecting a preset station 1 TUNER Remote control FM 1. Select the FM band. Press the TUNER button. 2. Select the preset station number. Press the TUNING/PRESET button, the TUNING/PRESET button or the number buttons. Last station memory .

.. 2 TUNING / PRESET Remote control TUNER PRESET or 1 2 3 4 5 6 7 8 9 --/-- 10/0 This unit's memory always remembers the last station selected before the power was switched off. When the power is switched on again, that same station is selected automatically. Note: If the power cord is disconnected or if a power failure occurs for a long time, the stations in the memory will be lost. If this occurs, preset the stations again. Cancelling preset stations AUTO MEMORY MONO kHz MHz STEREO MEMORY DISPLAY AUTO / MONO AUTO STEREO 1. Select the preset station number. Press the TUNING/PRESET button, the TUNING/PRESET button or the number buttons. 2.

Hold down the MEMORY button and press the AUTO/MONO button. MHz Listening to a weak-signal FM station When you tune in an FM stereo station with a weak signal, the STEREO display may not light completely and you cannot tune into your desired station. In this case, tune in as follows. 1. Press the AUTO/MONO button.

The MONO indicator lights up. 2. Select the frequency. Press the TUNING/PRESET button or the TUNING/PRESET button. DISPLAY MONO MHz AUTO / MONO 17 Receiving RDS RDS reception is possible only in areas where RDS broadcasts are available.

TUNER CD RECEIVER VOLUME TUNER CD/LINE TAPE/MD MIN MAX What is RDS? Many FM stations now transmit RDS signals which give additional information. RDS provides you with various services so that (for example) you can choose a station broadcasting your favourite category of music, or other information. Note: In some cases, the characters displayed on the display of the CR-185X may not be exactly the same as the ones broadcast by the radio station. If strange characters appear in the display, it is because characters are being received that cannot be correctly displayed by the CR-185X. They do not indicate a malfunction of the unit. PS:Program Service Name When an RDS station broadcasting PS information is received, the name of the station will be displayed instead of the frequency. SYSTEM PHONES MEMORY DISPLAY STAND-BY/ ON AUTO / MONO TUNING / PRESET Selecting an RDS station Set the FM band. @@@@@@Place a disc, printed side up, in the tray. Press the button. · To close the disc tray only, press the button.

2. Start playing. Press the button. @@. After all tracks have played, this unit stops. @@@@@@The indicator will flash. @@The " @ " display turns on. @@@@@@Each time the button (or the button on the remote control) is pressed while the CD is stopped, the pickup will go back one track. button (or the button on the remote control) is pressed once while playing, the pickup will return to the beginning of the current track and play it. Pressing the button twice returns the pickup to the beginning of the previous track. Remote control · TUNING / PRESET Starting play from a given track (remote control only) Select the track number you wish to play, using the number buttons.



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This unit starts playing automatically. Example: 5 7 8 9 1 2 3 4 5 6 Track number 5: --/-- 1 10/0 --/-- 10/0 Track number 10: --/-- + 2 + 3 Track number 23: + + 20 Playing CDs INPUT SELECTOR POWER TAPE MD CD SLEEP LINE FM AM TUNER PRESET TAPE CLOCK CALL RANDOM REPEAT REPEAT SCROLL MD PLAY MODE CLEAR REC REPEAT CD RANDOM MEMORY CLEAR DISC MODE DISC TONE 1 2 3 DIRECT TIMER 1 2 3 S.BASS 4 UP/DOWN 5 6 MUTING 7 8 9 ENTER / 10 / 0 VOLUME Random play (remote control only) Press the RANDOM button. In the random play mode, this unit will play the tracks in random order. · This function can be used in the memory mode.

In this case, the programmed tracks are played at random. Press the RANDOM button to cancel random play. The RANDOM indicator will go off. Note: In the random repeat mode, when all of the tracks have been played once, play will be repeated with a different track order. RANDOM RANDOM Repeat play (remote control only) Press the REPEAT button and the Ⓜ button, or press the REPEAT button during play.

All tracks are played repeatedly. Press the REPEAT button to cancel repeat play. The REPEAT indicator will go off. To repeat the desired track only, press the REPEAT button during memory play of that track. REPEAT REPEAT 21 Playing CDs POWER TAPE MD CD SLEEP LINE FM AM TUNER PRESET TAPE CLOCK CALL CD RECEIVER VOLUME REPEAT SCROLL MD PLAY MODE CLEAR REC REPEAT CD RANDOM TUNER CD/LINE TAPE/MD MIN MAX 1 2 MEMORY CLEAR DISC MODE 3 3 DIRECT DISC TONE 1 2 TIMER 1 2 3 S.BASS 4 UP/DOWN 5 6 MUTING 1,2 7 8 9 2 SYSTEM PHONES MEMORY DISPLAY STAND-BY/ ON AUTO / MONO TUNING / PRESET 3 ENTER / 10 / 0 VOLUME C D / M D / PRESET / TIMER REMOTE CONTROLLER RC-332S 1 MEMORY Program play Up to 20 tracks can be stored in the memory. CD MEMORY TRACK T MEMORY 1. Press the MEMORY button while in the stop mode. 2. Select the track number you wish to store using the number button on the remote control.

Example: Track number 5: 5 --/-- 1 10/0 2 1 2 3 CD MEMORY TRACK Track number 10: --/-- + 2 + 3 4 5 6 Track number 23: + + 7 8 9 --/-- 10/0 CD MEMORY TRACK T When using the main unit to program the tracks that will be played, press either the or the button, then press the MEMORY button. 3. Press the Ⓜ button. Play starts in the selected order. 3 CD MEMORY TRACK Note: · If the more than 20 tracks are selected, "FULL" flashes on the display to indicate that the memory is full. · If the MEMORY button is pressed during play, the current track being played is stored into memory. Press the MEMORY button to cancel memory play. The memory indicator will turn off. If memory play is stopped, press the MEMORY button again to continue memory play.

Remote control Stopping memory play .

.. Press the button. 22 Playing CDs SLEEP LINE FM AM TUNER PRESET TAPE CLOCK CALL CD RECEIVER VOLUME REPEAT SCROLL MD PLAY MODE CLEAR REC REPEAT CD RANDOM CLEAR TUNER CD/LINE TAPE/MD MIN MAX MEMORY CLEAR DISC MODE DISC TONE 1 2 3 DIRECT TIMER 1 2 3 S.BASS 4 UP/DOWN 5 6 MUTING 7 8 9 ENTER SYSTEM PHONES MEMORY DISPLAY / 10 / 0 VOLUME C D / M D / PRESET / TIMER TUNING / PRESET STAND-BY/ ON AUTO / MONO REMOTE CONTROLLER RC-332S DISPLAY Cancelling the memory Press the button while in the stop mode.

Clearing the last program Remote control CLEAR Press the button on the CR-185X or the CLEAR button on the remote control. Pressing this button repeatedly clears the tracks one by one in the reverse order (from the last to the first programmed track). Changing the display Press the DISPLAY button during play. · Elapsed time display Shows how long the current track has been playing. · Single remaining time (S light up) Shows how much time is left for the track currently playing.

DISPLAY AUTO / MONO · Total remaining time (T light up) Shows how much playing time is left for the entire disc. · Memory number (P-00) Shows the memory number during memory play only. (The original display) · When the total playing time of the programmed tracks exceeds 99 minutes and 59 seconds or when a track is programmed in the memory with a track number that is more than 20 (refer to page 22), "--:--" will be shown on the display. 23 Using the Timer INPUT SELECTOR POWER TAPE MD CD SLEEP LINE FM AM TUNER PRESET TAPE Setting the timer is simple and convenient using the remote control; however, the main unit can be used instead. With the unit in stand-by mode, press both the MEMORY and DISPLAY buttons to enter timer setting mode. Then, use the buttons shown below to perform the appropriate operations. Remote control TIMER CLOCK CALL REPEAT SCROLL MD CR-185X main unit DISPLAY PLAY MODE CLEAR REC REPEAT CD RANDOM MEMORY CLEAR DISC MODE DISC TONE 1 2 3 DIRECT TIMER UP/DOWN ENTER TIMER 1 2 3 S.BASS 4 UP/DOWN 5 6 MUTING 7 8 9 UP/DOWN VOLUME ENTER / 10 / 0 C D / M D / PRESET / TIMER REMOTE CONTROLLER RC-332S ENTER MEMORY 1 Selecting the timer mode 1. Press the TIMER button to switch the timer mode among the following five modes: WEEKDAY: You can play from your selected component (CD, tape, tuner, MD, line) at the designated time on weekdays. WEEKEND: You can play from your selected component (CD, tape, tuner, MD, line) at the designated time on weekends.

REC: Starting at the designated time, you can record your favourite programs from the tuner or the component connected to the LINE IN connectors. The tape deck, the MD recorder or both the tape deck and the MD recorder can be selected for recording. DAYSET: You can change the day of the weekday or weekend setting. ADJUST: You can set the clock. 2. Press the ENTER button when the desired mode is displayed. TIMER 2 ENTER 1 2 3 24 Setting of the timer operation TIMER 1. Press the TIMER button repeatedly until the desired timer mode is displayed. 2. Press the or button to turn the mode on or off. 3. Press the ENTER button when the desired mode is displayed. UP/DOWN ENTER Using the Timer INPUT SELECTOR POWER TAPE MD CD SLEEP LINE FM AM TUNER PRESET TAPE CLOCK CALL The initial factory settings are: WEEKDAY: Monday Friday WEEKEND: Saturday and Sunday REPEAT SCROLL MD PLAY MODE CLEAR REC REPEAT CD RANDOM MEMORY CLEAR DISC MODE DISC TONE 1 2 3 DIRECT 1 2 TIMER 1 2 3 S.



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BASS 4 UP/DOWN 5 6 MUTING 7 8 9 3 Sunday Monday Tuesday Thursday Saturday Friday ENTER / 10 / 0 VOLUME C D / M D / PRESET / TIMER REMOTE CONTROLLER RC-332S Wednesday 1 TIMER ENTER Changing the WEEKDAY and WEEKEND settings 1. Press the TIMER button repeatedly until "DAYSET" is displayed, then press the ENTER button.

2. Press the or button to select "WEEKEND" or "WEEKDAY", then press the ENTER button. 3. Change the WEEKDAY or WEEKEND setting. The current setting is displayed.

To change each one, press the corresponding number button on the remote control as listed below. 1: S (Sunday) 2: M (Monday) 3: T (Tuesday) 4: W (Wednesday) 5: T (Thursday) 6: F (Friday) 7: S (Saturday) 10/0: Finish setting · To change the setting using the , and ENTER buttons, press the ENTER button repeatedly until the desired day of the week flashes. Press the or button to change the setting then press the ENTER button repeatedly until no letter flashes. 2 ENTER UP/DOWN 3 1 2 3 4 5 6 7 8 9 --/-- 10/0 10/0 25 Using the Timer INPUT SELECTOR 5 POWER TAPE MD CD SLEEP LINE FM AM TUNER PRESET TAPE CLOCK CALL REPEAT SCROLL MD PLAY MODE CLEAR REC REPEAT CD RANDOM MEMORY CLEAR DISC MODE DISC TONE 1 2 3 DIRECT 1 2,3,4 TIMER 1 2 3 S.BASS 4 UP/DOWN 5 6 MUTING 7 8 9 ENTER / 10 / 0 VOLUME C D / M D / PRESET / TIMER REMOTE CONTROLLER RC-332S 1 TIMER AUTO Starting playing at a selected time 1. Press the TIMER button repeatedly until "WEEKDAY" or "WEEKEND" is displayed, then press the ENTER button. 2. Press the or button to select the ON time, then press then ENTER button. · @@@ For example: To set the clock to "7:30", press the 10/0, 7, 3, 10/0 buttons, then the ENTER button. 3.

Press the or button to select the OFF time, then press the ENTER button. · After storing the ON time, this unit will suggest an OFF time of one hour after the ON time you specified. 4. Press the or button to select the source (FM/CD/TAPE/LINE), then press the ENTER button. · If you selected "FM", press the or button again to select the preset station number, then press the ENTER button. 5. Turn the power off. ENTER 2 UP/DOWN TIMER W.DAY AUTO ENTER 3 UP/DOWN TIMER W.DAY AUTO ENTER 4 UP/DOWN TIMER W.

DAY AUTO ENTER MHz 5 26 POWER TIMER W.DAY Note: · Make sure that the clock has been set correctly before setting the timer. · Make sure that the specified source component is connected to this unit, and that the CD or cassette tape has been inserted into the appropriate component. · Before using the timer for listening to or recording FM broadcast programs, preset the stations. (See "Listening to the Radio" on pages 15-17 for details on how to preset FM stations.

) · Set the play order of the tracks before setting the timer to play a CD so that the tracks will be played in the set order. Using the Timer Note: · For timer recording to a tape, this unit must be connected to the K-185X. · For timer recording to an MD, the system must be connected to the MD-185X. 7 INPUT SELECTOR POWER TAPE MD CD SLEEP LINE FM AM TUNER PRESET TAPE CLOCK CALL REPEAT SCROLL MD PLAY MODE CLEAR REC REPEAT CD RANDOM MEMORY CLEAR DISC MODE DISC TONE 1 2 3 DIRECT 1 2,3,4,5,6 TIMER 1 2 3 S.BASS 4 UP/DOWN 5 6 MUTING 7 8 9 ENTER / 10 / 0 VOLUME C D / M D / PRESET / TIMER REMOTE CONTROLLER RC-332S 1 TIMER ENTER Starting recording at a selected time 1. Press the TIMER button repeatedly until "REC" is displayed, then press the ENTER button. 2. Press the or button to select the day that the timer will be used for recording, then press the ENTER button. · If "NEXT" is selected, the timer will start and stop recording at the next occurrence of the set times. 3. Press the or button to select the ON time, then press the ENTER button. · @@@@ 4. Press the or button to select the OFF time, then press the ENTER button. · After storing the ON time, this unit will suggest an OFF time of one hour after the ON time you specified. 5.

Press the or button to select the playing source (FM or LINE), then press the ENTER button. · If you selected "FM", press the or button again to select the preset station number then press the ENTER button. 6. Press the or button to select the recording component (TAPE, MD or TAPE & MD), then press the ENTER button. 7. Turn the power off. Note: · Since muting is automatically turned on when the timer is used to record, the sound cannot be heard during recording. · To monitor recording, press the MUTING button to cancel muting. · Timer recording activates once. After recording, the setting is cancelled. 2, 3, 4, 5 ENTER UP/DOWN 6 UP/DOWN TIMER REC AUTO ENTER 7 POWER TIMER REC 27 Using the Timer INPUT SELECTOR POWER TAPE MD CD SLEEP SLEEP LINE FM AM TUNER PRESET TAPE CLOCK CALL REPEAT SCROLL MD PLAY MODE CLEAR REC REPEAT CD RANDOM MEMORY CLEAR DISC MODE DISC TONE 1 2 3 DIRECT TIMER 1 2 3 S.BASS 4 UP/DOWN 5 6 MUTING 7 8 9 ENTER / 10 / 0 VOLUME C D / M D / PRESET / TIMER Using the sleep setting The sleep setting can power off the system after a specified time period has passed. 1. Play what you would like to listen to (CD, tape, radio broadcast, MD or Line). 2.

Press the SLEEP button repeatedly to set the desired sleep time (90 to 10 in 10 minute intervals). After the specified time has passed, the power will be switched off automatically. · To check the remaining time, press the SLEEP button. · During CD dubbing, the power will not be switched off until the dubbing is finished, even if the sleep time passes. Cancelling the sleep setting Press the SLEEP button repeatedly until the sleep setting is turned off (nothing appears on the display).

SLEEP TIMER SLEEP SLEEP TIMER SLEEP Notes for time setting · Make sure that the clock has been set correctly before the timer setting. · After setting the timer, be sure to set the power off. When the power is on, the timer does not activate even at the ON time. · When the power is on with the timer, the other timers do not activate at the ON time. The power will be switched off at the first timer's OFF time. (See figure.) · If the SLEEP button is pressed during timer play or timer recording, the power will be switched off at the sleep setting's OFF time.



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· If more than two timer settings are made at the same time, the "WEEKDAY" setting has priority over the "WEEKEND" setting, the "REC" setting has no priority. @@@@2. @@Do not use volatile agents on discs, such as thinner or benzine.

Also, do not use conventional record cleaner or antistatic agents. @@ Do not store a CD in this unit tray for a long period of time. 1 2 29 Troubleshooting Guide If the system does not work properly, please refer to this table for troubleshooting hints. If there is no improvement in the condition, even after troubleshooting, or symptoms other than those listed exist, please disconnect your unit from the wall outlet and contact your ONKYO authorized service station. · Please make sure that the system has been connected properly, otherwise it cannot operate correctly. · This stereo system contains a sensitive microcomputer, which under certain circumstances might fail to operate due to excessive noise interference. @@ · When recording, no sound can be heard.

Cause: The muting function is on. @@ · "0:00" on the time display is flashing. Cause: It flashes if there has been a power interruption.

Remedy: Set the time again. (Refer to page 12.) · The sleep function doesn't work. Cause: The time has not been set. Remedy: Set the time.

@@Cause: The speaker cables are not connected. Remedy: Check the connections. (Refer to page 9.) Cause: The volume is turned down to the minimum.

Remedy: Turn the volume up to an adequate level.

Cause: The muting function is on. @@(Refer to page 13.) · Sound from one of the speakers is low or nonexistent. Cause: The speaker cables are not connected. Remedy: Check the connections. (Refer to page 9.) Cause: The balance is turned to one side. Remedy: Adjust the balance using the TONE button. (Refer to page 14.) Receiver related problems · Power does not come on.

Cause: Power cord plug is not properly connected to AC outlet. Remedy: Insert plug firmly. (Refer to page 9.) · When receiving FM stereo broadcasts, more static background noise is received compared to mono broadcasts. Cause: FM stereo waves generate some noise due to the different modulation compared to mono waves. Remedy: Reduce the high sound (treble) using the TONE button. (Refer to page 14.) · The Ⓢ and STEREO indicators light up, but the sound is distorted and stereo separation is bad. Cause: The station is too strong. Remedy: Change to an FM indoor antenna.

Cause: There are multiple reflection of the radio waves because of tall buildings or mountains. Remedy: Use an antenna which has better directivity and select a point where there is less distortion. · The Ⓢ and STEREO indicators flicker, and a hissing is heard on FM. Cause: The station is too weak. Remedy: Install an outdoor FM antenna.

Cause: Stereo FM broadcasts cover only about half the distance of an ordinary broadcast. Remedy: Change the position or direction of the outdoor antenna.

The RDS function does not work. Cause: An RDS station is not being received. Remedy: Receive an RDS station.

Cause: The reception station signal is too weak. Remedy: Install an outdoor FM antenna. Remedy: Change the position or direction of the outdoor antenna.

Cause: There is too much interference. Remedy: Move the antenna as far away as possible from nearby fluorescent lamps. Remedy: Install an outdoor FM antenna as far away as possible from the road. · The timer cannot be set. Cause: The time has not been set. Remedy: Set the time. (Refer to page 12.)

) CD-related problems · A disc is loaded in the disc tray, but play will not begin. Cause: The disc is in the disc tray upside down. Remedy: Load the disc with the label side up. Cause: The disc is dirty. Remedy: Clean the disc. (Refer to page 29.) Cause: Moisture has accumulated inside this unit. Remedy: Remove the disc from the disc tray, place this unit in a warm place and leave the power on for about one hour. (Refer to page 4.) · The disc is skipping Cause: The disc is dirty.

Remedy: Clean the disc. (Refer to page 29.) Cause: The disc is scratched. Remedy: Replace the disc. Cause: This unit has been bumped.

Remedy: Place this unit in a more stable location. · Search time (when moving to a specific track) is extremely long. Cause: The disc is dirty. Remedy: Clean the disc. (Refer to page 29.)

) Cause: The disc is scratched. Remedy: Replace the disc. While operating the system, it might interfere with the TV screen. Move the TV further away from the unit or turn the TV power off to fully enjoy top quality sound. 30 Specifications AMP SECTION Power Output: 2 x 20 watts at 4 ohms 1 kHz DIN 2 x 17 watts at 6 ohms 1 kHz DIN 2 x 15 watts at 8 ohms 1 kHz DIN 2 x 15 watts min, RMS at 8 ohms 1 kHz no more than 0.2 % THD 2 x 25 watts at 4 ohms EIAJ 2 x 24 watts at 4 ohms 2 x 18 watts at 8 ohms 0.2 % at rated power 0.2 % at rated power 40 at 8 ohms TAPE / MD PLAY : 150 mV, 50 kohms LINE IN : 150 mV, 50 kohms 10 to 50,000 Hz : +0 / 3dB Super BASS : + 9.5 dB at 55 Hz BASS : ± 10 dB at 100 Hz TREBLE : ± 10 dB at 10,000 Hz TAPE : 100 dB (IHF A) dB Dynamic Power: Total Harmonic Distortion: IM Distortion: Damping Factor: Sensitivity and Impedance: Frequency Response: Tone Control: Single-tone Noise Ratio: Muting FM Tuner section Tuning Range: Usable Sensitivity: 87.50 to 108,00 MHz (50 kHz steps) Mono 12.

8 dBf, 1.2 μV (75 ohms IHF) 1.0 μV (75 ohms DIN) Stereo 18.0 dBf, 2.2 μV (75 ohms IHF) 25.0 μV (75 ohms DIN) Mono 18.8 dBf, 2.4 μV (75 ohms) Stereo 38.8 dBf, 24.0 μV (75 ohms) 2.

0 dB 85 dB 90 dB Mono 73 dB, IHF Stereo 67 dB, IHF 50 dB DIN (+ / 300 kHz at 40 kHz devi.) Mono 1.0 % Stereo 1.5 % 30 to 15,000 Hz (+ / 1.5 dB) 35 dB at 1.

000 Hz 25 dB at 100 to 10,000 Hz FM : 17.2 dBf, 2.0 μV (75 ohms) 50 dB Quieting Sensivity: Capture Ratio: Image Rejection Ratio: IF Rejection Ratio:

SignaltoNoise Ratio: Selectivity: Harmonic Distortion: Frequency Response: Stereo Separation: Stereo Threshold: CD SECTION Signal Readout System: Reading Rotation: Linear Velocity: Error Correction System: D / A Converter: Digital Filter: Number of Channels: Frequency Response: Optical noncontact About 500 200 r.p.m.

(constant linear velocity) 1.2 1.4 m / s Cross Interleave Read Solomon code 1 bit 352.8 kHz 8 times over sampling 2 (stereo) 5 Hz 20 kHz General Power Supply: Power Consumption: Dimensions: Weight: AC 230 V, 50 Hz AC 120 V, 60 Hz 55 W 185 W x 131 H x 331 D mm (7-5/16" x 5-3/16" x 13-1/16") 4.2 kg

(9.3 lbs) Specifications and features are subject to change without notice. 31 Sales & Product Planning Div. : 2-1, Nisshin-cho, Neyagawa-shi, OSAKA

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