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You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO MD-2321. You'll find the answers to all your questions on the ONKYO MD-2321 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.


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ONKYO


MiniDisc Recorder

MD-2321

Instruction Manual



Thank you for purchasing the Onkyo MD-2321 Mini-Disc Recorder. Please read this manual thoroughly before making connections and plugging in the unit. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new MD-2321. Please retain this manual for future reference.



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RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).

NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. 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 appliance. **Important Safeguards Read Instructions -- All the safety and operating instructions should be read before the appliance is operated. 2. Retain Instructions -- The safety and operating instructions should be retained for future reference. 3. Heed Warnings -- All warnings on the appliance and in the operating instructions should be adhered to. 4.**

Follow Instructions -- All operating and use instructions should be followed. 5. 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. 6A. An appliance and cart combination PORTABLE CART WARNING should be moved with care. Quick stops, excessive force, and uneven surface may cause the appliance and cart combination to overturn. 1. 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, 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, paying particular attention to the cords at 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. 14. Nonuse Periods -- The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time. 15. Object and Liquid Entry -- Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings. 16. 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. 17. 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. S3125A 7. 8. 9. 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 bookcase or cabinet that may impede the flow of air through the ventilation openings, there should be free space of at least 5 cm (2 in.) and open up behind the appliance. Heat -- The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat. Declaration of Conformity "CLASS 1 LASER PRODUCT " 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 This label on the rear panel states that: 1.

This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet. 2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel. 2 ONKYO EUROPE ELECTRONICS GmbH Precautions 1.

Warranty Claim You can find the serial number on the rear panel of this unit. In case of warranty claim, please report this number. 2. Recording Copyright Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder. 3. Power WARNING BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY. The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage in the area where this unit will be used meets the required voltage (e.g., AC 230 V 50 Hz or AC 120 V 60 Hz) written on the rear panel.

4. Do not touch this unit with wet hands Do not handle this unit or the power cord when your hands are wet or damp. If water or any other liquid enters the case, take this unit to an authorized service center for inspection. 5. Location of this unit · Place this unit in a well-ventilated location. Take special care to provide plenty of ventilation on all sides of the unit especially when it is placed in an audio rack. If ventilation is blocked, the unit may overheat and malfunction. · Do not expose this unit to direct sunlight or heating units as the unit's internal temperature may rise and shorten the life of the pickup.



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· Avoid damp or 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 the unit near tuners or TV sets. If placed next to a TV or tuner, this unit may cause reception interference resulting in noise in the TV or tuner output. 6.

Care From time to time you should wipe off the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out, and wipe away the dirt. Following this, dry the unit immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these may damage the finish or remove the panel lettering. This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT".

So, to use this model properly, read this Owner's 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. 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 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 manufacturers 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 Mini Disc recorder. In compliance with Federal Regulations, the certification, identification and the period of manufacture are indicated on the rear panel. FCC INFORMATION FOR USER CAUTION: Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: · Reorient or relocate the receiving antenna. · Increase the separation between other equipment and the receiver. · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

· Consult the dealer or an experienced radio/TV technician for help. · 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. When transporting this unit, be careful not to bump it. 7.

Points to remember · 3 Precautions 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 apparatus 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 which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. · IMPORTANT A 5 amp fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse. IF TDo not plug in the AC power cord until all other connections have been made. · On each pair of input or output jacks, the jack marked R corresponds to the right channel, and the jack marked L to the · Do not place the MD recorder on the amplifier or receiver. · Do not fold optical cables into a short length or wind them up into a coil with a small radius. · Avoid bundling the audio connection cables with the power cord or speaker cables.

Doing so may degrade sound reproduc· Insert the plugs and connectors securely. Remember that improper connection can result in noise, poor performance, or damage to the equipment. Improper connection left channel. Refer to the amplifier's instruction manual for further information on connections. tion. 4 Insert completely Analog input Analog output DIGITAL IN 1 L R L R (REC) (PLAY) 2 OUT 3 OPTICAL INPUT 4 5 To AC outlet Amplifier without digital inputs CD player, DAT, etc. Amplifier, Tuner amplifier with digital inputs Connecting an Onkyo product with connectors enables you to use the System function. A Connection with the amplifier Connect the MD-2321 to the MD (or TAPE) jacks of your amplifier. B Connection via the digital input terminal (DIGITAL INPUT) You can perform digital recording on the MD-2321 if a CD (Compact Disc) player or DAT (Digital Audio Tapedeck) equipped with a digital (OPTICAL) output terminal is available. For digital recording, you need to connect the equipment to either DIGITAL IN 1 or 2 terminal. Use an optical cable to connect DIGITAL INPUT 1, and use a coaxial cable to connect DIGITAL INPUT 2. These terminals can also be used for connecting an amplifier which is equipped with a digital output terminal. Note: · If you attempt to perform digital recording using a digital input terminal that is not connected properly, "D.In Unlock" will appear.







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· Terminal protection caps are attached to the DIGITAL IN terminals.

Remove the cap for the terminal you wish to use when connecting the MD-2321 to digital equipment. Replace the caps if you are not using the DIGITAL IN terminals. C Connection via the digital output terminal (DIGITAL OUTPUT) Connect this terminal to DIGITAL INPUT of an amplifier or tuner amplifier to enjoy clearer and dynamic sound. D Connections for remote control When the MD-2321 is connected to an amplifier with the Onkyo jack, pressing the MD button on the amplifier's remote controller enables you to operate the MD recorder. Note: · The upper and lower remote control jacks have the same function.

· Remote control operation is not possible when only the remote control cable is connected the audio cables must also be connected. E Connecting the AC power cord and turning the power on 1. Insert the AC power cord into a wall outlet. 2. Press the STANDBY/ON button. The display will light. Note: To insert the AC power cord into an AC outlet on the rear panel of another component, use the UNSWITCHED outlet. 6 Playing an MD RC-339MD 1 POWER PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 I 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 . , A-SPACE M.SCAN (REC) CLEAR 2 1 PAUSE 3 STOP SCROLL SCROLL DISPLAY REMOTE CONTROL RC-339MD ENTER NAME 3 1 Remote controller POWER DIGITAL IN 1 Normal playback 1.

Press the STANDBY/ON button. The STANDBY indicator will turn off. 2. Insert an MD. The MD recorder reads TOC (Table Of Contents) information on the MD to display the total number of tracks and total playing time. · When an MD recorded with a disc name (title) is inserted, the disc name is displayed. If the disc name is too long and you cannot view the entire name, press the SCROLL button on your remote controller to scroll the display. 3. Press the  PLAY button (or the  button on the remote controller). The first track of the disc starts playing.


L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 2 Insert an MD with its label side up into the MD recorder in the direction indicated by the arrow. The total number of tracks The total playing time DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 Current track number 3 Playing track number Remote controller TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 PLAY indicator Stopping playback Remote controller Press the s STOP button (or the s button on the remote controller). Pausing playback Remote controller Press the PAUSE button (or the button on the remote controller). To resume playback, press the  or button (or the  or button on the remote controller). 7 Playing an MD RC-339MD POWER PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 I 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 .

A-SPACE M.SCAN (REC) CLEAR EJECT DISPLAY PHONES PHONES LEVEL , ENTER CLEAR DISPLAY SCROLL SCROLL DISPLAY NAME REMOTE CONTROL RC-339MD Ejecting a MiniDisc Press the EJECT button. The MiniDisc is ejected and "Eject" appears on the display. Changing the display mode When the MD recorder is playing..

· Each press of the DISPLAY button changes the display in the following sequence: The number and elapsed time of the current track 15 Remote controller DISPLAY Playing track number and elapsed time TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 The number and remaining playback time of the current track Track name ("No Name" appears if the track is not named.) When the MD recorder is stopped... Each press of the DISPLAY button changes the display in the following sequence: Total number of tracks on the MD and its total playing time Time remaining for recording on the MD (Not displayed if it is a premastered MD) Disc name ("No Name" appears if the disc is not named.) If the track or disc name is too long to display... You can scroll the name by pressing the SCROLL button on the remote controller.

Press the SCROLL button again to stop scrolling the name. To exit display scroll mode, press the CLEAR button on the remote controller. Playing track number and remaining playing time TRACK DISPLAY DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 Track name ("No Name" when not set) TRACK DISPLAY DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 Listening with headphones Plug the headphones into the PHONES jack and adjust the sound level using the PHONES-LEVEL knob. · Turn the knob clockwise to increase the sound level; turn it counterclockwise to decrease the sound level. 8 Playing an MD RC-339MD POWER PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 I 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 Number buttons . , A-SPACE M.SCAN (REC) CLEAR ENTER SCROLL DISPLAY NAME AMCS REMOTE CONTROL RC-339MD , Remote controller 1 F 6 K 11 P 16 U 21 Z >25 / 2 G 7 L 12 Q 17 V 22 REPEAT ? 3 H 8 M 13 R 18 W 23 A-B ! 4 I 9 N 14 S 19 X 24 5 J 10 O 15 T 20 Y 25 Selecting a playing track using the number buttons Press the number button on the remote controller to select the track you want to play. Note: To play a track numbered 26 or more...

Press the [>25] button first. Set a value for the 10th place and then the 1st place using the number buttons in this order. (You can enter "0" by pressing the [10] button.) Ex. To select the 30th track: [>25] + [3] + [10] To select the 100th track: [>25] + [>25] + [1] + [10] + [10] The [>15] indicator lights up during playback of a track numbered 16 or higher.

· , A-SPACE M.SCAN () TRACK DIGITAL IN 1 L 40 20 10 6 20 R 8 9 10 11 12 13 14 15 15 Changing the playing track using the AMCS During play, you can change the playing track by turning the AMCS knob (or by pressing the and buttons on the remote controller). If the MD recorder is stopped, turn the AMCS knob to select the track number you wish to play, and press the knob. (On the remote controller, use the or button to select the track, then press the  button.

) Remote controller To play the next track or a later track... Turn the AMCS knob clockwise (or press the button on the remote controller several times) until the desired track is located. To start playback again from the beginning of a track that is currently playing, or to play the previous track or an earlier track... Turn the AMCS knob counterclockwise (or press the button on the remote controller several times) until the desired track is located.



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In Memory playback mode (see page 19), turn the AMCS knob (or press the or button) to select tracks in the stored sequence. 9 Playing an MD RC-339MD
POWER PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B !
D 4 I 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 CONTINUE 1 .

, A-SPACE M.SCAN (REC) CLEAR M. SCAN 1 , 2 , ENTER 2 SCROLL DISPLAY NAME REMOTE CONTROL RC-339MD Music Scan Remote controller
M. SCAN DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 Flashes The following function is available only when you use the remote
controller. When you press the M.SCAN button while the MD recorder is either playing or stopped, the beginning (eight seconds) of each track on the disc is
played back in sequence. The Ⓜ indicator flashes during music scan. Press the Ⓜ or M.SCAN button on the remote controller while the beginning of a track is
playing to continue playing back the track. Remote controller Searching for a part to play (Search playback) Searching for a part to play by cueing During
playback, hold down the or button and release it when the part you want to hear starts to play.

Searching for a part to play using the time display (at pause, high-speed search) When playback is temporarily stopped (paused), keep pressing the or button
and release it when the playing time of the part you want to hear is displayed. Press the Ⓜ PLAY button (or the Ⓜ button on the remote controller) to start
playing from that position. Note: · "Over" indicates that the end of the last track has been reached. Remote controller 1 Remote controller RANDOM Playing
tracks in random order (Random playback) 1. When the MD recorder is stopped, press the PLAY MODE button several times until "RANDOM" appears on
the display.

The display changes as shown below each time you press the PLAY MODE button: Random playback (RANDOM indicator lights up.) Memory playback
(MEMORY indicator lights up.) Normal playback (No indicator appears.) To select random mode using the remote controller, press the RANDOM button. 2.
Press the Ⓜ PLAY button (or the Ⓜ button on the remote controller). To exit random mode When the MD recorder is stopped, press the PLAY MODE button
several times until "RANDOM" disappears from the display. (Or, press the CONTINUE button on the remote controller.) RANDOM 2 Remote controller
TRACK DIGITAL IN 1 L 40 20 10 6 20 RANDOM R 12345 6 7 8 9 10 11 12 13 14 15 15 10 Playing an MD RC-339MD POWER PLAY MODE CONTINUE
RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 I 9 N 14 S 19 X 24 E 5 J 10 O 15
T 20 Y 25 . , A-SPACE M.SCAN (REC) CLEAR ENTER A-B REPEAT REPEAT SCROLL DISPLAY NAME REMOTE CONTROL RC-339MD Playing a
track(s) or desired section repeatedly Remote controller REPEAT REPEAT Remote controller REPEAT REPEAT 1 REPEAT To play all tracks on the disc
repeatedly, press the REPEAT button once. · If you press the REPEAT button during Memory playback... Only the programmed tracks will be played
repeatedly in the programmed order.

· If you press the REPEAT button during Random playback... The contents of the entire disc will be repeatedly played in random order. To play the current
track repeatedly, press the REPEAT button twice. Note: In Memory Playback or Random Playback, you cannot repeat the currently-playing track. (The
"REPEAT 1" function does not work.) To stop the repeat...

Press the REPEAT button once or twice until the "REPEAT" indicator disappears. To repeat the desired section of a track... 1.

While the track is playing, press the A-B button on the remote controller to specify the beginning of the section you wish to repeat playing (Point A). 2. While
the track is still playing, press the A-B button again to specify the end of the repeat section (Point B). The section between A and B of the track will repeat.

NOTE: · You cannot specify the repeat section over two or more consecutive tracks.

· After you set Point A, if the song reaches the end before you set Point B, the Point A setting is cancelled and normal playback resumes. To stop the repeat of
the section... Press the REPEAT button several times until the "REPEAT" indicator disappears. Alternatively, press the s button or AB button. Remote
controller A-B DIGITAL IN 1 L 40 20 10 6 20 R 45 6 7 8 9 10 11 12 13 14 15 15 A-B DIGITAL IN 1 L 40 20 10 6 20 R 45 6 7 8 9 10 11 12 13 14 15 11
Recording to an MD Digital recording technique uses an optical digital cable to input signals from a digital recording source. · This MD recorder contains a
sampling frequency rate converter for digital input signals which converts the sampling frequency of digital input signals to 44.1 kHz before recording. This
converter can handle the following sampling frequencies: 44.

1 kHz (CD player) 32 kHz (DAT, satellite broadcasting) 48 kHz (DAT, satellite broadcasting) 1 2 3 5 6 4 1 Recording from a digital source 1. Press the
STANDBY/ON button. The STANDBY indicator will turn off. 2. Load a recordable MD. To check the time remaining for recording... When the MD recorder is
stopped, press the DISPLAY button. Each press of the DISPLAY button changes the display as follows: The number of tracks on the disc and the total
recorded time Available recording time on the disc Disc name ("No Name" appears if the disc is not named).

) 3. Set the INPUT selector to the "D1" or "D2" position. D1: Select this if you have connected the recording source equipment to DIGITAL INPUT 1
(OPTICAL). D2: Select this if you have connected the recording source equipment to DIGITAL INPUT 2 (COAXIAL). Note: Make sure which of the digital
input terminals the supplied optical cable is connected to.

If you attempt to perform digital recording using a digital input terminal that is not connected, "D.In Unlock" will appear. 4. Select the position (track
number) on the disc at which you wish to start recording. · To record while erasing the existing tracks on the disc.

.. @@(The selected track number will flash.) The MD recorder will record new data while erasing the selected track and subsequent tracks. · To record by
erasing all existing tracks on the disc... @@(See "Erasing a track" on page 20.) 2 Insert an MD with its label side up into the MD recorder in the direction
indicated by the arrow. Number of tracks on MD Total recorded time DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 3 DIGITAL IN 1 L
40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 4 TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 Flashes 12 Recording to
an MD 5 TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 6 TRACK DIGITAL IN L 40 20 10 6 20 1 6 2 7 3 8 45 9 10 TOC R If
you stop recording while erasing the songs that follow the specified song (overwrite recording), the unerased part will be recorded as a new track.



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During overwrite recording, the "TRACK" indicator lights up. When you start recording from the top of a song 1 2 3 4 5 6 1 2 3 4 5 Recording start point
Recording end point Newly recorded song When you start recording in the middle of a song 1 2 3 4 5 6 1 2 3 4 5 6 Recording start point Recording end point
Newly recorded song 5. Press the q REC button. The MD recorder is now in recording standby mode. · If "Protected" appears on the display, the record-protect tab of the MD is open. Before starting the recording procedure, close the tab. (See page 18.) If "D. In Unlock" appears..

· The digital input source is not connected properly. Check the connection of the digital input source. When you record while erasing existing data, the "TRACK" indicator and the number indicators of the track selected in Step 4 and subsequent tracks flash. 6.
Press the Ⓟ PLAY button and start playing the recording source immediately. The MD recorder will automatically stop when the recordable time on the disc expires. If the Rec source is "CD" or "MD", track numbers are recorded automatically. Note: For automatic track number recording, the recording source must be able to transmit digital signals, including those for identifying the beginning and end of each track. If your recording source does not have this capability, track numbers will not be recorded automatically.

In this case, turn the Level Sync On. To manually record a track number... While recording, press the q REC button when you wish to mark a track number. @@@@To stop recording temporarily... Press the PAUSE button (or the button on the remote controller). @@To stop recording.

.. Press the s STOP button. To eject the MD... Press the s button, then the EJECT button. Caution: The TOC indicator flashes: If you press the button or the STANDBY/ON button while the MD recorder is still writing the recorded contents onto the disc. @@Doing so may prevent normal recording onto the MD. @@If you cannot record combined data (page 13) successfully, switch to analog recording (page 14).

Useful functions for digital recording If "Auto Cut" appears during digital recording... This message appears if the MD-2321 detects more than 30 seconds of silence on the source during digital recording. If this occurs, the MD recorder will stop recording and enter recording standby mode after recording about five seconds of silence on the disc.

To resume recording, press the Ⓟ button. If "Smart Space" appears during digital recording... This message appears if three to thirty seconds of silence in the source is encountered during digital recording.

If this occurs, the MD recorder will insert about five seconds of silence and standby to record the subsequent sound. 13 Recording to an MD Analog recording technique uses audio connection cables to input signals from the recording source. · If "Protected" appears on the display, the record-protect tab of the MD is open. Before you start the recording procedure, close the tab. (See page 18.) · Data is recorded after the already-recorded area unless you specify a recording start point. 1 2 3 6 8 4 7 1 Recording from an analog source 1. Press the STAND-BY/ON button. The STAND-BY indicator will turn off. 2.

Load a recordable MD. To check the time remaining for recording... When the MD recorder is stopped, press the DISPLAY button. Each press of the DISPLAY button changes the display as follows: The number of tracks on the disc and the total recorded time Available recording time on the disc Disc name ("No Name" appears if the disc is not named.) · If "Protected" appears on the display, the record-protect tab of the MD is open. Before you start the recording procedure, close the tab. (See page 18.) 3.

Set the INPUT selector to the "Analog", "MO (monaural)" or "ST (stereo)" position. The input source is now set to "Analog". Monaural recording enables you to record about twice the duration of stereo recording. Note: · Make sure that the INPUT selector on the MD-2321 and the REC selector on the amplifier are set to an appropriate recording source. · Do not change the INPUT selector setting during recording.

4. Select the position (track number) on the disc at which you wish to start recording. · To record while erasing the existing tracks on the disc... @@@@ · To record by erasing all existing tracks on the disc... @@(See "Erasing a track" on page 20.). @@5. Play the recording source. 6. Press the q REC button. The MD recorder is now in recording standby mode.

@@Using the REC LEVEL knob, adjust the recording level. @@@@8. @@The TOC indicator appears as soon as recording starts. @@The track numbers are recorded automatically. @@ · Low sound level in quiet music. · Interval between tracks is extremely short. · Tuner's reception is bad (noise). To disable this function refer to the explanation below on this page. @@@@@@To stop recording temporarily..

· Press the PAUSE button (or the button on the remote controller). @@To stop recording...
Press the s STOP button. To eject the MD... Press the s STOP button, then the EJECT button.
@@@@Doing so may prevent normal recording onto the MD. @@To disable the automatic track numbering function... Perform the following steps prior to Step 2 or Step 6: 1. Press the EDIT/NO button. "LevelSync?" appears on the display. 2. Press the YES button. @@3.

Press the YES button. "LvlSyncOff" appears on the display. Now the tracks will not be numbered during recording. @@To enable the automatic track numbering function... Perform the following steps prior to Step 2 or Step 6: 1. Press the EDIT/NO button. "LevelSync?" appears on the display. 2. Press the YES button. @@3. Press the YES button. @@@@1. Set the MD recorder to recording standby mode.

Refer to "Recording from an analog source" on pages 14 and 15 or "Recording from a digital source" on pages 12 and 13 for more information on how to set the MD recorder to recording standby mode and prepare it for recording. For digital CD Synchro recording. Connect the CD player's (optical or coaxial) digital output terminal to the MD-2321's DIGITAL INPUT. 2. Start playing the CD.

The unit starts recording as soon as the CD starts playing. If your cassette deck is also in recording standby mode, it starts recording simultaneously. When playback of the CD is complete, the MD recorder stops recording and enters recording standby mode. To stop CD Synchro recording... Press the s button on the CD player. The MD recorder then enters recording standby mode. Note: For analog recording, set the input selector of the amplifier to "CD." If you change the input selector to a different setting during recording, the MD recorder will stop recording and enter recording standby mode.

2 (Onkyo CD player bearing the mark) (MD-2321) DIGITAL IN 1 L TOC 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 1 Signal Synchro recording
Even if your recording source is a portable MD player or not Onkyo-compatible player, you can still perform synchronized recording.



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Signal-synchronized recording records data from the end of the recorded area. The Auto Cut and Smart Space functions (page 13) are enabled only when analog input is recorded. 1. Use the INPUT selector to select MO, ST, D1, or D2, according to the connected device. Analog connection: Select MO (monaural) or ST (stereo). DIGITAL INPUT 1 OPTICAL connection: Select D1 DIGITAL INPUT 2 COAXIAL connection: Select D2. You can perform Signal Synchro recording with both digital and analog recording sources. 2. Press the EDIT/NO button repeatedly until "Signal Rec?" appears. 3. Press the YES button. "Complete" appears and the unit waits for signal input. Note: If "Signal Rec?" does not appear when you press the EDIT/NO button, first press the s STOP button, then try again. If no signal is input for approx.

30 seconds, the MD recorder will enter recording standby mode. Recording starts as soon as the unit receives signals from the recording source while "Signal Wait" is displayed. 2 3 16 Recording to an MD RC-339MD PLAY POWER PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 I 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 . , A-SPACE M.SCAN (REC) CLEAR A-SPACE ENTER SCROLL DISPLAY NAME REMOTE CONTROL RC-339MD 1 (Cassette Tape Deck) Synchronized recording to a cassette tape deck (MD Synchro recording) When the MD-2321 is configured into a system that includes an Onkyo cassette tape deck bearing the mark, synchronized recording from the MD recorder to the cassette tape deck is possible.

1. Insert a cassette tape in the cassette tape deck and set the cassette tape deck to recording standby mode. See the cassette tape deck instruction manual for more information on how to set the tape deck to recording standby mode. 2. Press the @ PLAY button on the MD recorder (or the @ button on the remote controller). The cassette tape deck starts recording as soon as the MD starts playing. When the MD program is completed, the cassette tape deck stops recording and enters recording standby mode again. To stop MD Synchro recording...

Press the s STOP button on the MD recorder. The cassette tape deck enters recording standby mode. AUTO SPACE REC PAUSE 2 1 Remote controller A-SPACE TRACK DIGITAL IN 1 Using the Auto Space function The Auto Space function automatically inserts three seconds of silence between tracks when you are recording data on another MD recorder or a connected cassette tape recorder. This function is useful, for example, when you want the auto track locate function of a cassette player to work properly. 1. Press the A-SPACE button on the remote controller. The current setting appears on the display (e.g., A-Space Off). 2.

To revert to the previous setting, press the A-SPACE button again while the current setting is shown on the display. When you start recording, a silent section of about 3 seconds will be inserted between the recorded tracks. To cancel the Auto Space function...

Follow Steps 1 and 2 above to select "A-Space Off". L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 2 Remote controller A-SPACE TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 17 Recording to an MD 1 Using an audio timer You can use a commercially available audio timer for recording and playing. 1. Load an MD. · If the disc contains recorded material, new data will be recorded following the existing tracks.

2. Set the TIMER switch on the MD-2321 to "REC" for recording or "PLAY" for playback. · Set the audio timer approximately one minute earlier than actual recording start time. The MD recorder may require some time to write and read the TOC information after it is activated by the timer. · Refer to the accompanying instruction manual for information on how to set your audio timer. 3. Plug in the AC power cord of the MD-2321 to the audio timer. · If the MD becomes full during recording, recording stops immediately and the MD recorder enters STAND-BY mode. Note: After using the audio timer for recording, be sure to energize the MD recorder (by plugging in its AC power cord to a wall outlet or the UNSWITCHED outlet of another system component) for two or three days. If the MD recorder is not energized sufficiently after the audio timer recording, the recorded materials may be lost.

2 3 MD-2321 Timer To wall outlet Checking the contents of recording Protecting recordings from accidental erasure You can prevent your MDs from being recorded. Slide the recordprotect tab on an MD to open the slot. To make the MDs recordable again, slide back the record-protect tab to close the slot. Record-protect tab Back Record-protect hole · When recording is completed the first recorded track number · flashes. Press the @ PLAY button to start playing the track. To play from the beginning of the MD immediately after recording is stopped, press the s STOP button again. Then, press the @ PLAY button (or the @ button on the remote controller) to start playback. Storage period for backup data The recorded contents will be backed-up inside the MD-2321 even if the MD recorder's power cord is accidentally unplugged or if a power failure occurs before (when TOC is lit) or while (when TOC is flashing) the contents are being stored to disc. You can restore data that was backed up during such an accident or power failure by pressing the STANDBY/ON button after plugging in the power cord or immediately after the power failure is solved. Note, however, that the MD-2321 can maintain data in the backup memory for approximately an hour.

We recommend that after a power failure, you perform the above procedure immediately after the power is restored. If the power continues to be down for one hour or more, recorded contents may be lost. Surface 18 Using the program function (memory play) · You can program up to 25 tracks. · If the total playing time of the programmed tracks exceeds 1000 minutes, the MD-2321 displays "---m--s". · Too short a song cannot be programmed.

("Too Short" appears.) RC-339MD POWER PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 I 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 CONTINUE 1 2 . , A-SPACE M.SCAN (REC) CLEAR 1 3 2 ENTER SCROLL DISPLAY NAME 3 REMOTE CONTROL RC-339MD 1 Remote controller MEMORY MEMORY 2 1 F 6 K 11 P 16 U 21 Z >25 / Remote controller 2 G 7 L 12 Q 17 V 22 REPEAT ? 3 H 8 M 13 R 18 W 23 A-B ! 4 I 9 N 14 S 19 X 24 5 J 10 O 15 T 20 Y 25 . , A-SPACE M.SCAN () TRACK DIGITAL IN 1 L 40 20 10 6 2 MEMORY R Programmed track number TRACK DIGITAL IN 1 L 40 20 10 6 20 MEMORY 4 R 1.



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When the MD recorder is stopped, press the PLAY MODE button several times until "MEMORY" appears on the display, Alternatively, press the MEMORY button on the remote controller. 2. Using the AMCS knob, select the tracks in the order you want to play. Turn the AMCS knob until the track number you want to program appears (the track playing time is displayed). Press the AMCS knob to program the track. To play a track numbered 26 or higher... Press the [>25] button first.

Use the numeric buttons to set a value for the 10th place, then the 1st place. (Press the [10] button to enter "0".) E.x., To select the 30th track [>25] + [3] + [10] To select the 100th track [>25] + [>25] + [1] + [10] + [10] 3. Press the @ PLAY button (or the @button on the remote controller) to start Memory playback. When the playback of all programmed tracks concludes, the MD recorder stops. The programmed tracks are retained in memory. To exit Memory playback mode: When the MD recorder is stopped, press the PLAY MODE button several times until "MEMORY" disappears from the display. (Or, press the CONTINUE button on the remote controller.

) All data in the memory will be erased. Clearing the last track stored: Press the s or CLEAR button on the remote controller. The last track programmed in memory is cleared. Re-programming: Cancel the program setting, then repeat the procedure from Step 2. Total playing time of programmed tracks TRACK DIGITAL IN 1 L 40 20 10 6 20 MEMORY 4 R Programmed track 3 Playing track number Remote controller TRACK DIGITAL IN 1 L 40 20 10 6 20 MEMORY 4 R PLAY indicator 19 Editing the contents of an MD The MD-2321 features various editing functions that enable you to erase tracks, divide or combine tracks, and move a track to a new location on the disc.

Note that you cannot edit the contents of premastered MDs. Also, you cannot edit the disc if its record-protect slot is open (i.e., "Protected" is displayed).

Before starting the editing procedure, close the slot.

(See page 18.) 3 2 1 1 Erasing a track Perform the following steps to erase a track while the unit is stopped or paused. 1. Turn the AMCS knob until the track number you want to erase is displayed. 2. Press the EDIT/NO button several times until "Erase?" appears on the display. · To cancel the operation... Press the EDIT/NO button again, or press the s STOP button.

3. Press the YES button. The selected track is erased. When the track is erased, "Complete" appears on the display. · When a track is erased, the subsequent track numbers advance. For example, if you erase track 2, track 3 is renumbered as track 2; track 4 is renumbered as track 3, and so on. Note: While the TOC indicator is lit or flashing, do not move or unplug the MD recorder. To erase all tracks on an MD...

1. Press the s STOP button. 2. Press the EDIT/NO button several times until "All Erase?" appears on the display. To cancel the operation, press the EDIT/NO button or the s STOP button.

3. Press the YES button. "All Erase??" appears for confirmation. The track number flashes on the display. 4.

Press the YES button again. When all tracks on the MD are erased, "Complete" followed by "Blank Disc" appears on the display. Note: · To erase part of a track, first divide the track into parts, then erase the part. (See page 21 for more information on how to divide tracks.) · While the TOC indicator is lit or flashing, do not move or unplug the MD recorder. Track number TRACK DIGITAL IN 1 L 40 20 10 6 20 R 123 678 11 12 45 9 10 Flashes 2 TRACK DIGITAL IN 1 L 40 20 10 6 20 R 123 678 11 12 45 9 10 3 DIGITAL IN 1 L TOC 40 20 10 6 20 R 12 67 11 3 8 45 9 10 Lights when completed. 20 Editing the contents of an MD 3, 5 1 2 4 Dividing a track 1. During playback, press the PAUSE button at the point where you wish to divide the track. 2. Press the EDIT/NO button several times until "Divide?" appears on the display.

· To cancel the operation... Press the EDIT/NO button again, or press the s STOP button. 3. Press the YES button. The MD recorder repeatedly plays a part approximately four seconds before and after the dividing point. "Rehearsal" and "Position OK?" alternately flash on the display. 4. Turn the AMCS knob while listening to the part being played to fine-adjust the point where you wish to divide the track.

The dividing point is represented by 0.5 seconds of silence. You can move the dividing point in the range of 128 to +127. (One step corresponds to approximately 0.06 seconds.

) 5. Press the YES button or AMCS knob to execute the operation. After the track is divided, "Complete" appears on the display. · When a track is divided, the subsequent tracks are renumbered accordingly. For example, if you divide track 2 into two parts, the latter part is renumbered as track 3; track 3 is renumbered as track 4; track 4 is renumbered as track 5, and so on.

Note: While the TOC indicator is lit or flashing, do not move or unplug the MD recorder. 1 2 TRACK DIGITAL IN 1 L 40 20 10 6 20 8 11 12 9 10 R 3 4 TRACK DIGITAL IN 1 L 40 20 10 6 20 8 11 12 9 10 R Dividing point Play 5 DIGITAL IN 1 L TOC 40 20 10 6 20 9 10 11 12 13 R Lights when completed. 21

Editing the contents of an MD 3, 4, 5 2 1 1 Combining tracks You can combine two adjacent tracks into one. Note, however, that you cannot combine an analog monaural track with another type of track (e.g., recorded via analog stereo, Digital 1, Digital 2). This function is available while the unit is stopped, paused or playing. 2 TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 3 4 DIGITAL IN 1 L TOC 40 20 10 6 20 R 8 9 10 11 12 13 Lights when completed. 1. Turn the AMCS knob to select the larger number of the two adjacent tracks you wish to combine.

· If both tracks have titles, the first track's title will be used for a combined track. · If only the first track has a title, that title will be used. · If only the latter track has a title, that title will be erased. 2. Press the EDIT/NO button several times until "Combine?" appears on the display. · To cancel the operation...

Press the EDIT/NO button again, or press the s STOP button. 3.

Press the YES button again. The part at which the two tracks are to be combined plays (for 8 seconds) repeatedly, with "Rehearsal" and "Track OK?" alternately showing on the display. 4. Press the YES button to combine the tracks you have selected. When the tracks are combined, "Complete" appears on the display, and the subsequent track numbers advance.

For example, if you combine track 3 with track 2, track 4 is renumbered as track 3; track 5 is renumbered as track 4, and so on.



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Note: While the TOC indicator is lit or flashing, do not move or unplug the MD recorder. 22 Editing the contents of an MD 3, 5 2 1, 4 1 Moving a track This function is available while the unit is stopped or paused. 1. Turn the AMCS knob until the track number you want to move appears on the display. 2. Press the EDIT/NO button several times until "Move?" appears on the display. To cancel the operation... Press the EDIT/NO button again, or press the s STOP button. 3. Press the YES button. The selected track number and the default destination track number (#1) appear on the display. 4.

Turn the AMCS knob to select the desired destination track number. 5. Press the YES button or AMCS knob to execute the operation. When the track is moved, "Complete" appears on the display, and the tracks are renumbered accordingly. For example, if you move track 3 to track 1, the original track 1 is renumbered as track 2; track 2 is renumbered as track 3, and so on. Note: While the TOC indicator is lit or flashing, do not move or unplug the MD recorder. 2 TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 3 TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 4 TRACK DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 5 DIGITAL IN 1 L TOC 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 Lights when completed. 23 Naming a track or disc You can name tracks and discs using the AMCS knob on the front panel or the character buttons on the remote controller. You may name tracks at any time. However, the MD-2321 must be stopped when you name a disc.

You can enter up to 100 characters for each track name and a disc title. The characters being entered are cancelled if the playing or recording track is changed. RC-339MD POWER PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 1 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 . , A-SPACE M.SCAN (REC) CLEAR ENTER SCROLL DISPLAY NAME CLEAR ENTER 4 2 3, 6 1, 5 REMOTE CONTROL RC-339MD , 2, 6 4 1 To name a disc To name a track Naming a track or disc 1.

Turn the AMCS knob to select a track you wish to name. To name a disc, skip step 1 and go to step 2. Note: If you wish to name a track while recording or playing it, start with Step 2 below during recording or playback. Note that if recording or playback is complete before you finish entering the entire name, the characters you input so far will be cancelled. 2.

Press the EDIT/NO button several times until "Name In?" appears on the display. Alternatively, press the NAME button on the remote controller. (In this case, the "Name In?" display will be skipped.) When you name a track, the TRACK indicator will turn on. To cancel the operation... Press the s STOP, or press the YES button while pressing and holding down the EDIT/NO button. 3. Press the YES button.

A blinking cursor appears. 4. Press the DISPLAY button repeatedly to select a character input mode. You can enter upper case letters, lower case letters, and numbers and symbols. Each press of the DISPLAY button changes the type of character you can enter as follows: Upper case letters (A, B, C...) Lower case letters (a, b, c...)

) 2 Remote controller DISC NAME DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 3 DISC DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 4 Remote controller DISC DISPLAY DIGITAL IN 1 L 40 20 10 6 20 R 123 678 11 12 13 45 9 10 14 15 15 Numbers and symbols (1, 2, 3...)

Easy title () (Refer to the table below.) Preset titles for easy titling In Easy Titling mode, you can enter the following titles by simply choosing one. BALLAD BLUES CLASSIC DANCE FUSION JAZZ LIVE POPS REGGAE ROCK SOUL TECHNO VOCAL African American Asian British Euro German Japanese Anthology Best of (One space will be added following "of".) Collection Favorite Happy Heavy Hit songs Omnibus Selection Special Super Space ()

24 Naming a track or disc 5 Remote controller PLAY MODE CONTINUE RANDOM MEMORY A 1 F 6 K 11 P 16 U 21 Z >25 / B 2 G 7 L 12 Q 17 V 22 REPEAT ? C 3 H 8 M 13 R 18 W 23 A-B ! D 4 1 9 N 14 S 19 X 24 E 5 J 10 O 15 T 20 Y 25 . , A-SPACE M.SCAN () DISC DIGITAL IN 1 L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 6 Remote controller NAME DIGITAL IN 1 L TOC 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 Lights when completed. 5.

Enter a track name or disc name using the AMCS knob. Turn the AMCS knob to select a character and press the AMCS knob to enter it. Follow the same procedure to enter the entire name. To enter a name using the remote controller... You can enter numbers (1 to 9, 0 by the 10 button), uppercase and lowercase letters, and symbols (only those indicated below the buttons) using the remote controller. Use the and buttons on the remote controller to select characters and press the ENTER button or the button to confirm the entry. To change the type of characters entered..

. Go back to step 4 and change the character input mode. Then, select and enter characters using the AMCS knob. To correct the entered character... Select the character you want to correct using the and buttons (the selected character blinks), then reenter the character you want. To insert a character... Select the character before which you want to insert a character using the and buttons (the selected character blinks). Turn the AMCS knob counterclockwise (blinks) and press the AMCS knob (the cursor blinks). Finally, enter the character you want. To erase a character..

. Select the character that you want to erase using the and buttons (the character blinks) and press the EDIT/NO button on the front panel or CLEAR button on the remote controller. To insert a space...

Turn AMCS knob to display () and press the knob to set. 6. Press the YES button. Alternatively, press the NAME button on the remote controller. "Complete" appears on the display. Note: While the TOC indicator is lit or flashing, do not move or unplug the MD recorder. 1 DISC DIGITAL IN 1 Erasing the disc name and all track names at one time 1. Press the EDIT/NO button repeatedly to display "Name Erase?" while the MD-2321 is stopped. Note: Once the disc name and all track names are erased, they cannot be restored. 2.

Press the YES button to erase all track names and the disc name, or press the s STOP button to cancel the operation. L 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 2 DIGITAL IN 1 L TOC 40 20 10 6 20 R 12345 6 7 8 9 10 11 12 13 14 15 15 Lights when completed. 25 Precautions for handling the MiniDisc (MD) The MD is housed in a cartridge, so you can handle it without worrying about dust and fingerprints. Even so, a dirty or warped cartridge may cause malfunction.



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Always remember the following precautions so you can enjoy high-quality sound for a long time. Do not touch the disc in the cartridge directly with your fingers. Do not open the shutter by hand. Doing so may damage the disc. Storage location Avoid storing MDs in a place subject to direct sunlight, high temperature, or high humidity. When the unit is not to be used for an extended period Remove the MD from the unit to avoid dust entering the MD cartridge. When the MD is in the unit, the shutter of the MD cartridge remains open. Regular care Wipe off dust and dirt accumulated on the cartridge surface using a dry cloth. Removing a halfway-inserted MD If the "self-rock function" is activated and the MD cannot be removed, push the MD further into the MD recorder and then press the button to remove the MD. Message list The following table explains the various messages that appear in the display. Message All Erase!!

Blank Disc Cannot Copy Meaning An attempt was made to record onto a faulty MD.

A new recordable MD or a recordable MD without disc or track names is inserted. An attempt was made to make a second copy from a digitally dubbed MD (see "Rules for Digital Recording" on page 28, 29). An attempt was made to edit the disc during MEMORY or RANDOM play. An attempt was made to record onto a premastered (read-only) disc. The digital equipment (CD player, DAT, etc.

) has not been connected properly. The disc is abnormal (scratched or missing a TOC). The disc is full (see "System Limitations" on page 29). The disc could not be edited. Cannot Edit Cannot Rec D. In Unlock Disc Error Disc Full Impossible Memory Full An attempt was made to record a 26th track. Name Full No Change No Disc Shutter Cartridge The number of characters has reached the limit for input to one MD. The disc or track name was not changed. There is no disc in the unit. The inserted disc has a disc title but no tracks.

In pause mode (when playing is paused), the (Fast Forward) button was pressed to the end of the disc. The inserted disc is record-protected. The first recording attempt failed due to a disturbance or scratch on the MD, and a second recording is being made. The recording attempt failed due to a consecutive disturbance or scratches on the MD. An attempt was made to combine tracks that cannot be combined or to divide a track at the beginning. No Track Over

Protected Retry Retry Error Sorry 26 Troubleshooting guide If you encounter difficulty while using your unit, use this troubleshooting guide as an aid to remedy the problem. Because the unit contains a microcomputer to provide advanced functions, it may malfunction due to external noise or static electricity. If this happens, disconnect the power cord and then plug it in again after about five seconds. You must also be sure that the system components are properly connected. If the MD recorder still does not operate correctly, disconnect the power plug, then plug it in again while pressing EDIT/NO button and YES button simultaneously.

Note that any TOC information held in this MD recorder will be erased by this operation. If the problem persists even after you try this remedy, or if the problem is not listed in the table, disconnect the power cord and then consult the shop from which you purchased the unit or your nearest ONKYO service station, informing them of your name, address, phone number, type of unit, and the details of the problem. · The unit does not operate or operates poorly.

Cause: The disc may be damaged ("Disc Error" appears). Remedy: Take the disc out and insert it again.

If "Disc Error" remains, replace the disc. (See page 26 "Precautions for handling the MiniDisc (MD)") · The unit does not record. Cause: The disc is record-protected ("Protected" appears). Remedy: Close the record-protect slot (See page 18). Cause: The unit is not connected properly to the sound source.

Remedy: Make connections properly to the sound source. Cause: The analog recording level is too low. Remedy: Turn the REC LEVEL control knob to adjust the recording level properly. Cause: A premastered disc is inserted. Remedy: Replace it with a recordable disc. Cause: There is not enough time left on the disc. Remedy: Replace it with another recordable disc with fewer recorded tracks. Cause: There has been a power failure or the power cord has been disconnected. Remedy: The contents of the recording may be lost permanently. After connecting the power cord or immediately after power has been restored, press the STANDBY/ON button.

(See page 18 "Storage Period of Backup Data".) Cause: An attempt was made to record from a digital input source, but the source is not connected by the optical cable ("D. In Unlock" appears). Remedy: Connect the digital input source using the optical cable or set the INPUT button to ANALOG "MO" or "ST". · The unit does not play. Cause: Moisture has formed inside the unit. Remedy: Take the MD out and leave the unit in a warm place for several hours until the moisture evaporates (See below). Cause: The unit is not on. Remedy: Insert the AC power cord (main lead) plug into the wall outlet (the mains) securely.

Cause: The disc is inserted in the wrong direction.

Remedy: Slide the MD into the disc compartment with the label side up and the arrow pointing toward the opening until the unit grips the MD (See page 7). Cause: The disc may not be recorded (the track numbers do not appear). Remedy: Replace the disc with one that has been recorded. · The sound has a lot of static. Cause: Strong magnetism from a television or a similar device is interfering with operations.

Remedy: Move the unit away from the source of strong magnetism. · The disc name or track name cannot be entered. Cause: The disc is record-protected ("Protected" appears). Remedy: Close the record-protect slot (See page 18). Cause: A premastered (read-only) disc is inserted ("Cannot Rec" appears).

Remedy: Replace it with a recordable disc. If the unit does not operate properly even after you attempt the prescribed remedies, unplug and then plug in the power cord again. Condensation This is the same phenomenon that causes windows to mist with water drops in a heated room during the winter. The MD recorder also sometimes gets dew (water drops) on the optical lens inside the player under the following conditions. · Immediately after you turn a heater on.

If the MD recorder is placed in a room full of steam or dampness. · If you suddenly bring the MD recorder in from the cold outside into a warm room. If the MD recorder is exposed to dew condensation You can leave it as it is. Sometimes the recorder cannot read the signal sent from the disc by laser and the recorder doesn't work. Depending on the surrounding conditions, you can remove the disc and leave the power on for one hour at the longest.

The dew will evaporate and the recorder will work properly.



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