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You can read the recommendations in the user guide, the technical guide or the installation guide for KENWOOD HM-331. You'll find the answers to all your questions on the KENWOOD HM-331 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual KENWOOD HM-331
User guide KENWOOD HM-331
Operating instructions KENWOOD HM-331
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Instruction manual KENWOOD HM-331

KENWOOD

MICRO HI-FI COMPONENT SYSTEM

HM-331

INSTRUCTION MANUAL

KENWOOD CORPORATION

COMPACT disc DIGITAL AUDIO TEXT

B60-4228-00 00 (CH) (M,T) (DC) 9809

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Manual abstract:

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*.... AC 230V only *Other countries .*
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*@@For replacement, use only a 3-Amp ASTA-approved (BS 1362) fuse. @@3.Do not cut off the mains plug from this equipment. @@A power point, then obtain an appropriate safety approved extension lead or adapter, or consult your dealer. If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent. Connection to the mains supply. IMPORTANT : The wires in the mains lead are coloured in accordance with the following code: Blue : Neutral Brown : Live Do not connect those leads to the earth terminal of a three-pin plug. *For other countries AC voltage selection The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. @@@@@@@@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.*
The marking of products using lasers (Except for some areas) CLASS 1 LASER PRODUCT The marking is located on the rear panel and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit. Caution : Read this page carefully to ensure safe operation. Before applying power 3 HM-331 (En/T) Contents Preparation section Before applying power .
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.. 47 4 Before applying power HM-331 (En/T) Special features CD player and auto-reverse cassette deck as standard equipment A CD player and auto-reverse cassette deck are provided, making the unit an integrated micro stereo system for enjoyment of multiple music sources. Convenient Recording Methods Various versatile recording functions are provided according to the use purposes. ÷One-touch recording : Recording of one CD or one track by pressing a single key ÷Program recording : Any desired tracks can be recorded in the desired sequence Convenient timer functions Preparation section Two-program timer : Timer playback, timer recording and AI timer playback can be programmed. AI timer : When the unit is turned ON by the timer, the sound level increases gradually. O.T.T. Sleep timer : Timer with easy setting, which operates only once.

: Useful when you want to go asleep while listening to music. In regard to demonstration This unit is equipped with a demonstration function (only display). The demonstration consists of sequential change of display and indicators showing the operations, but the audio itself does not change. The demonstration function can be cancelled as follows. set/demo DEMO OFF (To cancel demonstration): Press the "set/demo" key when DEMO is ON. DEMO ON (To execute demonstration): After turning power ON, press and hold the "set/demo" key (for more than 2 seconds). ÷ Even when DEMO is ON, stations with weak radio waves are muted and their sound cannot be heard. ÷ This operates automatically when a power failure has occurred or the plug of the power cable has been pulled while the power was ON. Cancellation is possible by pressing the key during the demonstration. Unpacking Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.
Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage. We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future. Accessories Europe, and U.K. Please confirm that the following accessories are present. Loop antenna (1) Remote control unit (1) FM indoor antenna (1) Other countries Batteries (R6/AA) (2) *AC plug adaptor (1) *Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.
) Before applying power 5 HM-331 (En/T) Handling of discs Disc handling precautions Handling Hold the discs so that you do not touch the playing surface. Label side Playing side Sticker Do not attach paper or tape to either the playing side or the label side of the discs. Discs which can be played with this unit CD (12 cm, 8 cm), and the audio part of CDV, CD-G, CD-EG and CD-EXTRA. Use discs that comply with the IEC standard, for example a disc carrying the marking on the label surface. COMPACT DIGITAL AUDIO Never play a cracked or warped disc During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent. Please do not use discs which are not round because they may cause a malfunction. Preparation section Sticky paste Cleaning If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner. Disc accessories The disc accessories (stabilizer, protection sheet, protection ring, etc.

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) which are marketed for improving the sound quality or protecting discs as well as the disc cleaner should not be used with this system because they may cause malfunction.

Storage When a disc is not to be played for a long period of time, remove it from the player and store it in its case. Notes on cassette tape Safety tab (accidental erasure prevention tab) After an important recording has been finished, break the safety tab, to prevent the recorded contents from being erased or recorded on accidentally. To store cassette tapes Do not store the tapes in a place which is subject to direct sunlight, or near equipment that generates heat. Keep the cassette tapes away from any magnetic field. N S For A side For B side When there is slack in the tape In such a case, insert a pencil into the reel hole and wind the reel hub to remove the slack. To re-record Apply tape only to the position where the tab has been removed. 1.Longer tape than 110 minutes cassette tape Notes Since longer tape than 110 minutes cassette tape is very thin, the tape could adhere to the pinch roller or be easily broken. It is recommended that these tapes not be used with this unit to prevent possible damage. 2.
Endless tapes Do not use an endless tape, as this could damage the mechanism of the unit. 6 System connection HM-331 (En/T) Connection of the System Accessories This figure shows the method of connection between the main unit and provided accessories. CAUTION Note on Connection Connect the components as shown in the diagram. Only plug the power cord into a power outlet once connections are completed. AM loop antenna The supplied antenna is for indoor use.
Place it as far as possible from the main system, TV set, speaker cords and power cord, and set it to a directiodot;·· FM AM PM kHz MHz TRACK NO. TOTAL AUTO TUNED O.T.E. NR T.
E. TITLE SEARCH Preparation section MD EDIT 3 4 567 1 Tuner-related indicators 2 Character information display section (dot display) 3 Character information display section 4 O.T.E. (ONE TOUCH EDIT) indication 5 LOUD (Loudness) indication 6 TAPE REC indicators 7 EX.BASS (extra bass) indication Appears during one-touch recording. Shows character information including the input selection, volume level and disc/track title. Frequency indication, time indication, track No., program No., etc.

8 9 0 ! @ Indicatid ON, the REVOLVING CONTROL PANEL opens. ÷ When the power is ON, the panel opens and closes alternately each time the "panel open / close" key is pressed. MANUAL ÷ When the power is ON, the panel opens and closes alternately each time the "panel open / close" key is pressed. AUTO open / close panel MANUAL REVOLVING CONTROL PANEL (close state) ANTENNA SPEAKERS (616) FM 300 FM 75 AM + L R + GND + DIGITAL OUT OPTICAL SUPER WOOFER PRE OUT MANUAL AUTO PANEL OPEN/CLOSE 2 2 2 2 AUX INPUT 12 Controls and indicators HM-331 (En/T) Remote control unit 1 2 SLEEP TONE SOUND 1 2 3 The keys on the remote control unit with the same names as on the main unit have the same function as the keys on the main unit. 5 Basic operation keys Fast forward, fast reverse keys (1, ¡) POWER 9 TIMER 0 ! @ During CD or TAPE operation: &(Press to search in the forward or backward direction.) During TUNER operation: Press to select a radio station. P.CALL/skip keys (4, ¢) During CD operation : & Press to skip tracks in the forward or backward direction.) During TUNER operation: Press to select a radio station. 4 5 6 REPEAT 3 Preparation section 7 8 9 RANDOM +10 0 PGM CLEAR 4 5 6 7 8 TAPE O.
T.E. TIME DISP. DOT DISP. 1 23 TAPE ¡ TUNER BAND 4 P.
CALL ¢ 6 CD 7 TA/NEWS PTY AUX % VOLUME TAPE 2 3 key TUNER BAND key CD 6 key Stop key (7) AUX key 6 RDS-related keys (For Europe and U.K.) TA/NEWS key Used at the time of EON reservation. / ª SET ENTER MUTE # PTY key Used at the time of program type detection. fi REMOTE CONTROL UNIT RC-F0503E 7 SET key Press to set or enter an item selected with the "VOLUME/ multi control".
ENTER key 8 MUTE key This is used to suppress the sound temporarily. ¡ %) key $w It is used to enter the preset station memory in the tuner. Europe, and U.K. RC-F0503E (Infrared ray system) Other countries RC-F0503 (Infrared ray system) 1 TONE key This is used to adjust the tone. 9 POWER (The system is switched ON and STANDBY. This key is also used to activate or cancel the timer program execution. 0 TIMER key Used to select the timer. w § ¢ \¢ ¡ fl % w ! Keys related to CD REPEAT key This is used for repeated playback. SOUND key 2 SLEEP key This is used to set the sleep timer.

Used for switching the EX.BASS play and LOUDNESS play. RANDOM key Playback of the CD tracks in random order. CLEAR key The programmed track sequence is cleared. 3 Numeric keys These are used to select CD tracks and as preset call keys for the tuner. PGM key This is used to program the track sequence. 4 TAPE O.T.E. key > During TUNER operation: These keys are used for recording of a CD onto tape with a one-touch operation.
Press either key during CD playback to record the currently played track onto tape. Press in stop mode to record the entire CD onto tape. Used to switch the tuning mode between "AUTO" (auto tuning, stereo reception) and Manual (manual tuning, monaural reception). @ TIME DISP. key Press to switch the time information displayed during CD playback.
DOT DISP. key # VOLUME (%,fi) keys ¶ Used for scroll display of the text infomations of CD-TEXT compatible disc. Operation of remote control unit Loading batteries 1 Remove the cover. 2 Insert batteries. 3 Close the cover.
13 HM-331 (En/T) ÷ Insert two R6 ("AA"-size) batteries following the polarity indications. Preparation section Operation After plugging the power cord of this unit, press) key of the remote control unit to the POWER (turn the system ON. When the system is turned ON, press the key of the function to be operated. Operating range (approx.) 2 2 Remote sensor 6m 30° 30° ÷ When pressing more than one remote control keys successively, press the keys securely by leaving an interval of 1 second or more between keys. Notes 1.The provided batteries are intended for use in operation checking, and their service life may be short. 2.When the remote controllable distance becomes short, replace both of the batteries with new ones. 3.

If direct sunlight or the light of a high- frequency fluorescent lamp (inverter type, etc.) is incident to the remote sensor, malfunction may occur. In such a case, change the installation position to avoid malfunction.

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Channel space switching (Except for the United Kingdom and Australia) The space between radio channels has been set to the one that prevails in the area to which the system is shipped. However, if the current channel space setting does not match the setting in the area where the system is to be used, for instance when you move from area 1 or area 2 shown in the following table or vice versa, proper reception of AM/FM broadcasts cannot be expected. In this case, change the channel space setting in accordance with your area by referring to the following table. 1 Turn power on. 2 Press the TUNER/band key 3 Select the mode by using the "repeat" key. Each press switches the space frequency alternately. 1 "FM 50 kHz" (FM 50 kHz, AM 9 kHz) 2 "FM 100 kHz" (FM 100 kHz, AM 10 kHz) RANDOM PGM REPEAT ALL SLEEP A.

P.S. O.T.T.

PROG. STEREO Area 1 USA, Canada and South American countries 2 Other countries CHANNEL Space Frequency FM: 100 kHz AM: 10 kHz FM: 50 kHz AM: 9 kHz 02119050 CHNSPACE·· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS Blinks. 4 Establish the selection by pressing the "set/ demo" key. 14 Let's put out some sound HM-331 (En/T) Basic use method Bass and treble compensation "sound" key 2 2 2 1 3 Basic section Muting the sound temporarily Listening through headphones 1.

*Set the "on/standby" key to ON (STANDBY). on/standby When the "on/standby" key (the unit is switched off.) is pressed while the unit is ON, 1 Example: To select the CD input Lights 6 CD ÷ Pressing the CD 6, AUX, TAPE or "TUNER/band" key also turns power on and starts playback (reception) of the corresponding input. (One-touch operation) ÷ When the CD or TAPE input is selected while the corresponding disc or tape has been loaded, it immediately starts to play. 2. Selecting the desired output. TUNER (Broadcasts) CD TAPE AUX (External input)) ^ * 8 ÷ Pressing the CD 6, AUX, TAPE or "TUNER/band" key selects the corresponding input. 2 3 VOLUME / multi control 3. Volume adjustment. ÷ Quick turning produces a larger change amount.*

(Dynamic rotary volume control function) ÷ The display shows a reference value. do wn up The volume decreases The volume increases Let's put out some sound 15 HM-331 (En/T) Listening through headphones Insert the headphone plug into the "phones" jack. Bass and treble compensation sound EX.BASS LOUD or phones ÷ Headphones with a stereo mini plug can be connected. ÷ The sounds from all speakers are cut off. Muting the sound temporarily (Remote control unit only) MUTE RANDOM Each press switches the modes as follows. 1 "EX.BASS" (Extra Bass) lights. The lowest and highest frequencies are enhanced regardless of the current volume level. 2 "LOUD" (Loudness) lights.

The lowest and highest frequencies are enhanced according to the current volume level. (Effective during low-volume listening.) 3 Both indicators off. Sound enhancement mode is disengaged. ÷ Adjusting the tone while the "LOUD" or "EX.

BASS" indicator is lit turns it off and cancels the sound fl enhancement mode. Blinks PGM REPEAT ALL S AUTO POWER SAVE function ÷ Press again to resume the original volume. ÷ This is also cancelled when the volume is changed. When the unit is ON and the unit is left for 30 minutes with CD and TAPE not operating, the unit is switched off automatically by this function. This is convenient when you forgot to switch off the unit.

This function can be activated or deactivated by the following operation. Basic section Standby mode When the standby/timer indicator on the main unit lights in red or orange, a minute current flows for memory protection. This condition is called standby mode. 1 Select "A.P.S. SET?". VOLUME / multi control menu (Press the "set/demo" key while the "?" mark is blinking.) 2 Select. RANDOM PGM REPEAT ALL SLEEP A.

P.S. O.T.T. PROG. 1 2 STEREO R·D·S EON EON TP TA PTY 80180000 CD····· FM AM PM TRACK NO. TOTAL AUTO TUNED A.P off .S.

A.P.S. VOLUME / multi control A.P on .

S. A.P.S. kHz MHz BEST HITS O.

T.E. NR T.E. TITLE SEARCH MD EDIT When CD has been selected. Goes off do wn Lights up 3 Set it. RANDOM PGM REPEAT ALL SLEEP A.P.S. O.

T.T. PROG. 1 2 STEREO R·D·S EON EON TP TA PTY set/demo 80180012 VOLUME·20·· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.E. NR T.E. TITLE SEARCH MD EDIT Volume display ÷ When the TUNER or AUX input is selected, APS operates only when the volume is set to zero or when MUTE is on.

16 Let's put out some sound HM-331 (En/T) Playback of CD To fast forward and backward Skipping tracks To stop playback Playback from desired track When a disc is placed into the CD player in advance, the unit will be switched on automatically by pressing the CD 6 key, and playback will start. 1BIT DUAL D/A CONVEATER 1 Skipping tracks Start playback/ To pause playback 2 2 2 Basic section Start playback/ To pause playback To stop playback 1. Load a disc. Open the CD cover. 0 push open 1 Open the CD cover.

2 Place a disc. 3 Close the CD cover. The label side must be on top. 1 2. Start playback.

Lights 6 CD 2 Let's put out some sound 17 HM-331 (En/T) Skipping tracks To skip backward 4 1 Playback from desired track Select the desired track No. To skip forward 4 1 1 4 7 +10 2 5 8 0 3 6 9 TAPE / preset ÷ The track in the direction of the key pressed is skipped, and the selected track will be played from the beginning. ÷ When the 4 key is pressed once during playback, the track being played will be played from the beginning. ÷ Operation also is possible with the keys 4 and ¢ of the remote control unit. Press the numeric keys as shown below.... To select track No. 23 : 003 To select track No.

40 : 0000) To pause playback 6 CD To fast forward and backward (Remote control only) Backward search 1 ¡ Forward search ÷ Each press pauses and plays the CD alternately. To stop playback STOP ÷ Playback starts from the position where the key is released. 7 Basic section In regard to CD-TEXT When discs conforming to CD-TEXT are played with this unit, the text information recorded on the CD (disc name or titles) is displayed automatically. ÷ Do not touch the played side of disc. ÷ Be sure to place a disc horizontally. Placing it with an inclination will result in malfunction. Time display on CD player (Remote control unit only) Each press of the TIME DISP. key changes the displayed contents.

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RANDOM PGM REPEAT ALL SLEEP A.P.
S. O.T.T. PROG.
1 2 STEREO R·D·S EON EON TP TA PTY 1 80180012 CD····· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.E. NR T.
E. 2 TITLE SEARCH MD EDIT 123 -237 TOTAL (Elapsed time of track being played) (Remaining time of track being played) (Elapsed time of entire disc) 3 2345 TOTAL ÷ Titles are displayed for discs conforming to CD-TEXT. ÷ After a few seconds, play starts from track No.1. 4 -3615 (Remaining time on entire disc) ÷ Only time information 1 and 2 can be displayed during single-track repeated playback or random playback. 18 Let's put out some sound HM-331 (En/T) Playback of tape tape EQ. If you load a tape in the cassette deck in advance while the power is off. pressing the TAPE key turns power on automatically and starts the tape playback. Selection of reverse mode To wind tape at high speed 2 2 2 1 To stop playback Basic section Start playback To stop playback 1. Load a cassette tape.

A push open 0 1 Open the door. 2 Insert a tape and close the door. 2 2 1 Transport direction indicators 2. Start playback. During playback, the tape running direction changes each time the key is pressed. 2 direction 2 TAPE Transport direction indicators 2 The "direction" indicators show the current direction in which the tape advances when playback or recording is started automatically by the one-touch operation, etc. This direction is the direction stored in memory when the tape was last stopped. (To change the tape transport direction, press the TAPE key (2, 3) during playback then press the stop key (7).) Let's put out some sound 19 HM-331 (En/T) To wind tape at high speed (remote control only) To fast wind in direction \ 1 ¡ To stop playback STOP To fast wind in direction \ 7 ÷ Do not take out the cassette tape until the tape transport has stopped completely. ÷ Press the 7 key to stop fast winding.
Selection of reverse mode (Main unit only) 1Select "TAPE RVS. ?". menu VOLUME / multi control Selection of TAPE equalizer (tape EQ.) (Main unit only) When playing a tape prerecorded with Noise Reduction system (such as the DOLBY NR) ON, be sure to set the "tape EQ." ON for playback.
tape EQ set/demo (Press the "set/demo" key while the "?" mark is blinking.) Lit when "tape EQ." is ON 2 Select. " " : (REVERSE) T.E.
Each press switches the modes as follows. 1 "tape EQ." ON .....

. TAPE equalizer is used. 2 "tape EQ." OFF .....
TAPE equalizer is not used. ÷ Select the "tape EQ." ON mode according to the recording condition of the tape. Initial setup Both sides are played back (recorded), and then the tape stops. " ": (ONE-WAY) Only one side is played back (recorded), and then the tape stops.
VOLUME / multi control " ": (ENDLESS) Both sides are played back endlessly. (The tape stops after recording onto both sides.) Basic section do wn up 3 Set it. Lights RANDOM PGM REPEAT ALL SLEEP A.P.
S. O.T.T. PROG. 1 2 STEREO set/demo R·D·S EON EON TP TA PTY 88880000 TAPE··STOP· FM AM PM kHz MHz TRACK NO. TOTAL AUTO TUNED O.T.E. NR T.

E. TITLE SEARCH MD EDIT Tape counter display (Remote control unit only)) tape ÷ Normal (TYPE), high (TYPE), or metal (TYPE selection is set automatically. ÷ Remove tape slack before loading. ÷ Close the door securely. Each press of the TIME DISP. key changes the displayed contents. 1 2 AM AM 0000 845 (Tape count) (Time display) A tip for use of the tape counter Displayed when the deck is loaded with a tape. RANDOM PGM REPEAT ALL SLEEP A.P.S.
O.T.T. PROG. 1 2 STEREO R·D·S EON EON TP TA PTY 88880152 TAPE··PLAY· FM AM PM kHz MHz TRACK NO.
TOTAL AUTO TUNED O.T.E. NR T.E.
TITLE SEARCH MD EDIT Reverse mode indication The tape counter is set to "0000" when a cassette tape is loaded. By writing down the counter reading in case you want to interrupt recording (playback) in the middle of the tape, the memo will be helpful as a reference for locating the same position when continuing the recording (playback) the next time. The tape counter figure decrements during recording or playback of the back side (while the 2 tape transport indicator is lit). To set the tape counter 88880000 to "0000", open the cassette holder once. TAPE··STOP· Then the counter will be reset. TRACK NO. TOTAL AUTO TUNED STEREO FM AM PM kHz MHz 20 Let's put out some sound HM-331 (En/T) Receiving broadcast station It is also possible to receive them by one-touch operations by storing up to 40 stations in the preset memory. Auto/manual station switching Collective presetting of stations When the "TUNER/band" key is pressed, the unit will automatically be switched on and reception status will be reached. Collective presetting of stations 2 1 Preset call 2 2 2 Basic section One-by-one presetting 1. Select the broadcast band.

TUNER / band Each press changes the band. 1FM 2AM 1 Select a station (Remote control only) 1 ¡ 2. Select a station. When no stations have been memorized : The next broadcasting station will be received automatically each time this key is pressed. Manual tuning : Press the key repeatedly or hold it depressed until a station is received. When stations have been memorized (preset call) Every time the key (4 or ¢) is pressed, the preset stations are switched over as follows. Press ¢ for the order of 1=2=3 ... 38=39=40=1.
.. Press 4 for the order of 40=39=38 ...
3=2=1=40... Auto tuning 2 Select a station 4 1 4 1 TAPE / preset 2 Let's put out some sound 21 HM-331 (En/T) Collective presetting of stations (auto preset) One-by-one presetting (manual ENTER TRACK NO. preset) Keep the ENTER key depressed (about 2 seconds).
1 Receive a broadcast. 1 Press the ENTER key during reception. 2 Select "A. MEMORY (or A.PRESET) ?". menu VOLUME / multi control --118900 MEMORYEMOR FM AM PM TOTAL AUTO TUNED STEREO kHz MHz BEST HIT set/demo (Proceed to step 2 while "MEMORY" is lit.) "MEMORY" lights (for approx. 5 sec.) 2 Select one of the preset numbers from 1 to 40. (Press the "set/demo" key while the "?" mark is blinking.

) RANDOM PGM REPEAT ALL SLEEP A.P.S. O.T.T. PROG. STEREO R D S EO TP 01110250 AUTORMEMORY FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.
E. N The numbers become smaller 4P.CALL ¢ The numbers become larger TITLE MD E The display differs according to the equipment (country and area), and "AUTO PRESET" also may be shown.

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÷ A maximum of 40 stations of the band presently being received will be preset. ÷ When there are many stations and the intended station has not been preset, please also use "One-by-one presetting (manual preset)".
3 Press the ENTER key again. ENTER 01118900 COMPLETE!RY FM AM PM TRACK NO. TOTAL AUTO TUNED STEREO kHz MHz BEST HITS O.T.
(Repeat steps 1,2,3 to preset other stations) Basic section Reception band indication RANDOM PGM REPEAT ALL SLEEP A.
P.S. O.T.T. PROG. 1 2 STEREO R·D·S EON TP T ÷ If several stations are preset under the same number, the previous memory is replaced with the latest memory contents. 01188900 TUNER····· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.

E. N TITLE MD ED Tuning mode switching and reception mode (Remote control unit only) PGM Lights at the time of automatic station selection. RANDOM PGM REPEAT ALL TRACK NO. The "TUNED" indicator lights when a station is received. Each press alternates the mode. 1 "AUTO" lit (Auto tuning, stereo reception) 2 "AUTO" not lit (Manual tuning, monaural reception) SLEEP A.P.S. O.T.
T. PROG. @@@@@@@@@@2 Insert a tape. @@÷ Remove tape slack before loading. 2.
@@2 Press the play key again. @@@@Set the recording condition. Select the reverse mode. @@@@It stops after leaving a non-recorded blank of 4 seconds. (Press the key again to resume recording.
) Stop the recording STOP 7 1 Put the CD player in pause mode. 2 Select the track to be recorded with the skip (w2, 3) keys. (The CD player pauses at the beginning of the selected track.) 3 Put the cassette deck in Record-pause mode. (Press "TAPE rec" key twice) 4 Start playing the CD. (Synchro recording starts) ÷ Recording stops when the stop (7) key of the CD player is pressed. Basic section 4. Select the source to be recorded. Select an input source other than "TAPE" Example: To select the CD input Lights CD TUNER (Broadcasts) CD AUX (External input) CD····· The character information display shows the recording input source. 6 4 5 ÷ If a CD has already been loaded, it starts to play now.

Press the 7 key to stop it. 5. @@@@@@@@O.T.T. @@@@To select track No. 23 : 003 To select track No. 40 : 0000) ÷ Up to 32 tracks can be programmed. When "FULL" is displayed, no more tracks can be programmed. @@again.
÷ When a track No. @@@@@@@@O.T.T. @@@@Lights 1 REPEAT 2 REPEAT ALL RANDOM PGM REPEAT ALL SLE 3 Off.
... @@Lights 1 REPEAT RANDOM PGM REPEAT ALL SLE 2 REPEAT ALL 3 Off..
.. @@@@O.T.T. PROG. @@1 "RANDOM" on ... Random playback 2 "RANDOM" off .

.. @@O.T.T. PROG. @@@@@@@@Tuners and receivers designed for RDS reception can extract the information from the broadcast signal for use with various functions such as automatic display of the station name. This unit is equipped with the following functions utilizing RDS data : PTY (Program Type Identification) Search : ª The tuner automatically searches for a station which is currently broadcasting a specified program type (genre). The "RDS" indicator lights up when an RDS broadcast (signal) is received. RANDOM PGM REPEAT ALL SLEEP A.
P.S. O.T.T.
PROG. 1 2 STEREO R·D·S EON NEWS TP TA PTY PS (Program Service Name) Display : When an RDS broadcast is received, the station name is automatically displayed. 01110250 TUNER····· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.
E. NR T.E. TITLE SEARCH MD EDIT EON (Enhanced Other Network) : / ÷ Some functions may not be provided or be given different names depending on countries or areas. When the information to be received is set in advance and any RDS station in the same network starts broadcasting of such information, the reception automatically will be switched to that station. Before using RDS For reception of RDS stations, the auto presetting function must be used to preset the stations. With the auto presetting function, RDS stations are preset with priority. "NO DATA" will be flashed when a station is not preset by auto presetting. Application section R.D.

S. (Radio Data System) (Except for some areas) 29 HM-331 (En/T) Searching for a desired program type (PTY search) By specifying the type of program (genre) you want to listen to, the tuner automatically searches for a station which is currently broadcasting a program of the specified type. Set the reception band to FM. Preset RDS stations with the auto preset function. ¡ R·D·S EON EON TP TA PTY 1 Select the PTY search mode. PTY RANDOM PGM REPEAT ALL SLEEP A.P.S. O.T.
T. PROG. 1 2 STEREO 01110250 NEWSR····· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.
E. NR T.E. TITLE SEARCH MD EDIT type. 2 Select the desired program right for your Use program type table on the convenience.
A Selection with the 1 ¡ keys 1 ¡ When an RDS broadcast is received, the program type is shown on the display. If no PTY data is available, or if the station is not an RDS station, "NONE" is displayed. Program type table A B Program Type Name 1 ¡ keys 1 Pop Music 1 2 Rock Music DOWN 3 *M.O.R. Music 4 Light Classical 5 Serious Classical 6 Other Music 7 News 8 Current Affairs 9 Information UP 0 Sport ¡ Education Drama Culture Science Varied Weather Finance Children's programs Social affairs Religion Phone in Travel Leisure Jazz music Country music National music Oldies music Folk music Documentary Display POP M ROCK M M.O.R. M LIGHT M CLASSICS OTHER M NEWS AFFAIRS INFO SPORT EDUCATE DRAMA CULTURE SCIENCE VARIED WEATHER FINANCE CHILDREN SOCIAL A RELIGION PHONE IN TRAVEL LEISURE JAZZ COUNTRY NATION M OLDIES FOLK M DOCUMENT Select while "PTY" is lit. The desired program type can be selected with the 1 ¡ keys from 29 types.

Press the key and release it when the desired type is displayed. Application section B Selection with the numeric keys 1 4 7 +10 2 5 8 0 3 6 9 The program types 1 to 9 and 0 can be selected directly with the number keys. Use the 1 ¡ keys to select other program types. *M.O.R. Music (Middle of the Road Music) 30 R.D.S. (Radio Data System) (Except for some areas) HM-331 (En/T) 3 Start the search.
PTY When searching for a Rock Music broadcast Display while the tuner is searching. Blinks RANDOM PGM REPEAT ALL SLEEP A.P.S. O.
T.T. PROG. 1 2 STEREO R·D·S EON EON TP TA PTY 01110250 ROCKRM····· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.
T.E. NR T.E. TITLE SEARCH MD EDIT Program type name display. When a station is received. ÷ No sound is heard while "PTY" is blinking.

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@@@@O.T.T.

PROG. @@@@can be reserved even when it is not being transmitted at the present. @@@@2 Select "A. @@@@@@1 TA .....
.....
.....
.....

Traffic Announcement 2 NEWS .....
.....
.....
. News 3 TA/NEWS .....

..... Traffic Announcement/ News 4 Display not lit .....
... @@O.T.
T. PROG. @@(Radio Data System) (Except for some areas) HM-331 (En/T) 3 Receive an RDS station. Select a station where "RDS" and "EON" are lit. 4P. CALL ¢ RANDOM PGM REPEAT ALL TRACK NO. TOTAL AUTO TUNED FM AM PM "RDS" and "EON" are lit. SLEEP A.P.S. O.T.T. PROG. 1 2 STEREO R·D·S EON NEWS TP TA PTY 02119000 TUNER····· kHz MHz BEST HITS O.

T.E. NR T.E. TITLE SEARCH MD EDIT ÷ When "EON" does not light although an RDS station is received, that station is not transmitting EON data. Please select a different station. ÷ When TA is desired, select a station where the "TP" display lights. 4 Wait for the desired information. CD or TAPE playback may also be started. As long as the unit is ON, the unit is always ready for the reception.
Application section ÷ When one of the stations of the network of the station received in 3 starts broadcasting the program contents selected in 2, that station will be received automatically. At this time, Tape playback will stop and CD playback will pause. However, external equipment (AUX) will remain as it is. ÷ When the unit is OFF or during recording (including dubbing), the EON function does not operate. ÷ When the transmission of the selected program contents ends in case of automatic reception with the EON function, return will be made to the status directly before operation of the EON function.
When CD or TAPE playback has been interrupted, it will be continued from the point of interruption. In case of waiting for information with an RDS station without EON function When there is no "EON" display with the operations of steps 3 and 4 and the desired information is selected in advance, waiting for the desired information will be done only with the presently received RDS station. In regard to TP (Traffic Program) indicator When the "TP" indicator is lit, this indicates that the station or another station in the same network is broadcasting traffic information. Even without an EON reservation, traffic information can be heard from the station when "TP" indicator is lit for the presently received station. Convenient Recording Methods Selection of the Recording Type This unit provides the following recording features in addition to normal recording.
Select the appropriate method according to the purpose of recording. Note 33 HM-331 (En/T) Note that this cassette deck cannot record onto Metal tapes. To record CD with a simplified method One-touch recording (CD=TAPE) One-touch recording (all-track recording) > \\ One-touch recording of an entire CD onto a tape. One-touch recording (single-track recording) One-touch recording of the CD track being played onto a tape. (This is convenient for recording of desired tracks from a disc being heard for the first time.) To record desired CD tracks by reordering them Program recording (CD= TAPE) Program recording fi \ Recording of programmed tracks in the programmed order. (Convenient for recording only the desired CD tracks in the desired order.) Program recording can be used in combination with the "One-touch recording" . Note With recording onto tape, the track will be interrupted for the part of the guide tape at the tape reversal, where recording is not possible. Please use single-side recording if this is to be avoided.

Application section 34 Convenient Recording Methods HM-331 (En/T) One-touch recording (CD=TAPE) The one-touch recording can record all tracks in a CD with a one-touch operation (all-track recording). It can also record the current CD track being played from the beginning (single-track recording). Be sure to put the cassette deck in stop mode 1 Make the preparations for recording. CD =TAPE 1 Perform steps 1. to 3. of the procedure in "Recording on TAPE". TM 2 Insert disc in the CD player. 2 Check the current play mode of the CD player. One-touch recording (all-track recording) If it is in play mode, stop it. 7 One-touch recording (single-track recording) Select the desired CD track and play it.
6 CD To record other tracks using "one-touch recording (single-track recording)", repeat steps 2 and 3 for each track. 3 Start recording. Remote comtrol unit Main unit 1 Press the TAPE O.T.E.
key. TAPE O.T.E. 1 Select "O.
T.E. ?". VOLUME / multi control Application section 2 2 menu ÷ When the TAPE O.T.E. or "set/demo" key is pressed for "One-touch recording (single-track recording)", the CD track being played is replayed from the beginning and recording start at the same time. 2 Start recording. set/demo 2 2 To interrupt a recording At the end of the recording 7 (Recording and playback will be stopped.) Cassette deck : Stop is executed after an unrecorded portion of about 4 sec.

has been produced. Convenient Recording Methods 35 HM-331 (En/T) Program recording (CD =TAPE) Desired CD tracks can be programmed in the desired sequence and recorded onto a tape. Recording preparation is required. TM\ (Be sure to put the cassette deck in stop mode.) 1 Program the desired sequence of CD tracks. CD =TAPE Perform steps 1 and 2 of the procedure in "Listening in the desired sequence (Program playback)". ¢ ÷ When the PGM key is pressed to cancel the edited contents, the entire editing contents will be erased. ÷ Tracks programmed in excess of the tape recording time will be cut off. 2 Start recording. TAPE O.
T.E. ÷ Recording of the programmed tracks in the programmed order starts. ÷ To perform operation on the main unit, see step 3 in the procedure in "One-touch recording". > Application section To interrupt a recording At the end of the recording 7 Cassette deck : Stop is executed after an unrecorded portion of about 4 sec.
has been produced. (Recording and playback will be stopped.) 36 Tone adjustment HM-331 (En/T) Tone adjustment The lowest and highest frequency bands can be adjusted independently. (Remote control only) 1 Select the frequency band. TONE Each press switches the operation.
1 "BASS" (low frequency) adjustment BASSTC--6·· TITLE MD E 2 "TREBLE" (high frequency) adjustment (Go to step 2 within 5 seconds.) 2 Adjust. TREBLE-+4·· 3 Normal mode TITLE MD E % VOLUME fi (To adjust the other frequency band, repeat steps 1 and 2 for it.) ÷ The levels of both "BASS" and "TREBLE" can be adjusted in 2 steps in the range between -8 and +8.

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÷ Adjusting the tone while the "LOUD" or "EX.BASS" indicator is lit turns it off and cancels the sound enhancement mode. Balance adjustment (Adjust for the desired left / right balance.) Adjusts the balance of left and right volume. (Main unit operation only) 1 Select "BALANCE ?". menu VOLUME / multi control 2 2 set/demo Application section (Press the "set/demo" key while the "?" mark is blinking.

) 2 Adjust. 2 2 Turning the knob switches the function as shown in the character information display. TAPE RVS. ? O.T.E. ? A. MEMORY (or A. PRESET) ? (Only when the TUNER input is selected) AUX LEVEL ? (Only when the AUX input is selected) BALANCE ? TIMER SET ? A.P.
S. SET ? 1 VOLUME / multi control RANDOM PGM REPEAT ALL SLEEP A.P.S. O.
T.T. PROG. 1 2 STEREO R·D·S EON EON TP TA PTY 80180012 BALANCE···· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.
T.E. NR T.E. TITLE SEARCH MD EDIT do wn up The right volume is decreased. The left volume is decreased. 2 Set it. set/demo 2 2 Tone adjustment 37 HM-331 (En/T) Adjusting the AUX Input Level This adjusts the input level for the external equipment (video deck etc.) connected to the AUX input terminal. Adjust so that the volume of the AUX input source sounds at an equivalent level to the CD .

(Main unit operation only) 1 Select AUX (external input). AUX 2 2 1 Select AUX (external input). 2 Play the connected equipment. 2 Select "AUX LEVEL ?". menu VOLUME / multi control 2 2 set/demo 2 2 (Press the "set/demo" key while the "?" mark is blinking.) 3 Adjust. 2 2 Turning the knob switches the function as shown in the character information display. TAPE RVS. ? O.T.
E. ? A. MEMORY (or A. PRESET) ? (Only when the TUNER input is selected) AUX LEVEL ? (Only when the AUX input is selected) BALANCE ? TIMER SET ? A.P.
S. SET ? 1 Adjust the input level. VOLUME / multi control 80180012 INPUTC+2··· PM do MHz BEST HITS O.T.E.
N TITLE MD ED Application section wn up Set level (display for about 5 sec) The level increases. The level decreases. 2 Set it set/demo 2 2 ÷ Adjust the input level while "INPUT" is displayed. ÷ Adjustment is possible over the range from -6 to +3. 38 Clock adjustment Adjust the clock before setting the timer. HM-331 (En/T) 1 Activate the clock adjustment mode. (Hold for more than 2 sec.) 2 2 ÷ The "CLOCK" display starts to blink during time setting. RANDOM PGM REPEAT ALL SLEEP A.P.

S. O.T.T. PROG. 1 2 STEREO R·D·S EON EON TP TA PTY menu 80181200 ADJUST+2··· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.E. NR T.
E. TITLE SEARCH MD EDIT ÷ The time display starts to blink. 2 Enter the figure of hour. 1 VOLUME / multi control Example: Adjustment to 8:07 RANDOM PGM REPEAT ALL SLEEP A.P.
S. O.T.T. PROG.
1 2 STEREO R·D·S EON EON TP TA PTY do wn up 80181800 ADJUST+2··· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T.E. NR T.E. TITLE SEARCH MD EDIT 2 2 To decrease hour To increase hour 2 Set it. set/demo 3 Enter the figure of minute. 1 Application section VOLUME / multi control do ÷ The time of the day is represented in 12-hour AM/PM method. ÷ Press the "set/demo" key.

The hour is entered and the minute display starts to blink. Example: Adjustment to 8:07 RANDOM PGM REPEAT ALL SLEEP A.P.S. O.T.T. PROG. 1 2 STEREO R·D·S EON EON TP TA PTY wn up 80181807 ADJUST+2··· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.
T.E. NR T.E. TITLE SEARCH MD EDIT 2 2 To decrease minute To increase minute 2 Set it.
set/demo ÷ If you make a mistake, restart from the beginning. ÷ To adjust correct time, press the "set/demo" key at the same moment as a time announcement. ÷ After a power failure or the power cord has been unplugged then plugged in again, it is required to set the time again. ÷ When the time of day has been set by pressing the "set/ demo" key, the display shows "COMPLETE !". Timer operation Operate easy To use Timer (O.
T.T.) Timer playback, timer recording (PROG.1, PROG.2) Adjust the clock before setting the timer. 39 HM-331 (En/T) Playback of the selected input source starts at the specified time, and the unit is switched off after one hour. This timer operates only once directly after setting. With each of the two timer programs, a selected source can be played (or radio broadcast can be recorded) in the previously set time period. AI timer playback (PROG.1, PROG.

2) The volume increases gradually after start of timer playback. Sleep timer (SLEEP) The unit is turned OFF automatically after the specified period has elapsed. Connect the related equipment under reference to "System connection". 6 Setting the O.T.T. Timer playback is possible simply by setting the time. The source selected last before the unit was switched off will be played. One hour after start of timer playback, the unit will be switched off automatically. 1 Select the source to be played.
2 Select "TIMER SET ?" . menu VOLUME / multi control 2 2 set/demo (Press the "set/demo" key while the "?" mark is blinking.) Turning the knob switches the function as shown in the character information display. TAPE RVS. ? O.
T.E. ? A. MEMORY (or A. PRESET) ? (Only when the TUNER input is selected) AUX LEVEL ? (Only when the AUX input is selected) BALANCE ? TIMER SET ? A.
P.S. SET ? Turning the knob switches the function as shown in the character information display. 1 O.T.T. SET ? 2 PROG. 1 SET ? 3 PROG. 2 SET ? 3 Select "O.T.

T. SET ?" . VOLUME / multi control 2 2 Application section set/demo 4 Set the ON time. VOLUME / multi control Blinks RANDOM PGM REPEAT ALL SLEEP A.P.S. O.T.T. PROG.
1 2 STEREO 2 2 The time is returned. do wn up The time is advanced. 80181705 TUNERT+2··· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T ON time display ÷ The ON time can be set in steps of 5 minutes.
÷ When the O.T.T. has been set by pressing the "set/demo" key, the display shows "COMPLETE !". 5 Set it.
set/demo 2 2 To execute O.T.T. Perform steps 1 and 2 in the procedure in "Activating or deactivating the O.T.T. or program timer execution". w 40 Adjust the clock before setting the timer. Timer operation HM-331 (En/T) Setting the Program Timer Two 24-hour timer systems (PROG.1, PROG.

2) (which can be used every day) are available. In each of PROG.1 and PROG.2, the timer data including the operating period and played contents can be set and selected to be activated or not as required.

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1 Make preparations for the play (recording). To listen to CD Insert a disc. (Program playback is not possible.) Set a tape into. To listen to tape To listen to radio The station should be preset prior to the above. ¡ Playing the auxiliary input source Make timer setting of the component connected to the AUX input jacks.
For recording Make preparations for recording. TAPE TM ÷ Timer reservation is possible for the two types PROG.1 and PROG. 2 at the same time. ÷ Please make reservations with an interval of at least one minute, so that the operation times of PROG.
1 and PROG. 2 do not overlap. 2 Adjust the listening volume. 2 2 VOLUME / multi control 3 Select a program No. menu 2 2 ÷ When the power is switched on by the timer for recording, MUTE automatically becomes ON.
1Select "TIMER SET ?". VOLUME / multi control Application section set/demo (Press the "set/demo" key while the "?" mark is blinking.) 2 Select "PROG. 1 SET ?" or "PROG. 2 SET ?". VOLUME / multi control Turning the knob switches the function as shown in the character information display. TAPE RVS. ? O.T.E.

? A. MEMORY (or A. PRESET) ? (Only when the TUNER input is selected) AUX LEVEL ? (Only when the AUX input is selected) BALANCE ? TIMER SET ? A.P.S. SET ? Turning the knob switches the function as shown in the character information display. 1 O.T.T. SET ? 2 PROG.
1 SET ? 3 PROG. 2 SET ? ÷ The selected program No. lights. ÷ If a program No. under which a timer program has already been reserved, it is replaced by the new timer program.
÷ The previously set contents are displayed. (If you do not want to change them, simply press the "set/demo" key.) 2 2 do wn 3 Set it. up set/demo 2 2 (Press during display of the program contents.) Adjust the clock before setting the timer.
Timer operation 41 HM-331 (En/T) 4 Set the ON time then the OFF time. 1 Adjust the time. The time is returned. 2 2 RANDOM PGM REPEAT ALL SLEEP A.P.S. O.T.T. PROG.

1 2 STEREO R RANDOM PGM REPEAT ALL SLEEP A.P.S. O.T.T. PROG. 1 2 STEREO VOLUME / multi control The time is advanced. 80181700 ONNTIME2··· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.
T.E 80181800 OFFTTIME··· FM AM PM TRACK NO. TOTAL AUTO TUNED kHz MHz BEST HITS O.T 2 Set it. set/demo 5 Make the desired reservation. VOLUME / multi control ÷ For each of the ON time and OFF time, enter the figure of "hour" by performing steps 1 and 2 then enter the figure of "minute" in the same manner. ÷ If you make a mistake, restart from step 3. For timer playback or AI timer playback 1 Select the mode. (1) Select "PLAY" or "AI PLAY". (2) Enter it.
set/demo 1 PLAY .....

Timer play 2 REC 3 AI PLAY ..... Timer play with gradually increasing volume VOLUME / multi control 2 Select the input source. (1) Select the source to be played. set/demo (2) Enter it. 1 2 3 4 VOLUME / multi control 3 Select the broadcast station (only when TUNER is selected above). (1) Select the preset station No.
(2) Enter it. TUNER ....
.. Broadcasts CD TAPE AUX ...
..... External input (video, etc.) set/demo ÷ When the O.

T.T. has been set by pressing the "set/demo" key, the display shows "COMPLETE !". For timer recording VOLUME / multi control 1 Select the mode. (1) Select "REC". VOLUME / multi control 1 PLAY 2 REC 3 AI PLAY set/demo 3 Select the broadcast station (only when TUNER is selected above). (1) Select the preset station No. (2) Enter it. Application section set/demo (2) Enter it. 2 Select the input source.
VOLUME / multi control (1) Select what is to be recorded. set/demo 1 TUNER ....
.....
... Broadcasts 2 AUX .....

External input (2) Enter it. ÷ When the O.T.T. has been set by pressing the "set/ demo" key, the display shows "COMPLETE !". To execute program timer Perform steps 1 and 2 in the procedure in "Activating or deactivating the O.T.T. or program timer execution". w 42 Adjust the clock before setting the timer. Timer operation HM-331 (En/T) Activating or deactivating the O.T.T. or program timer execution 1 Select the timer program No. to be used.
(Remote control unit only) Each press of the key switches the program numbers as follows. TIMER 1O.T.T. .
..... Executes O.T.

T. only. 2PROG.1 ..... Execution of program 1 only.
3PROG.2 ....
.. Execution of program 2 only. 4PROG.1, 2 .
. Execution of programs 1 and 2. 5Off .....

..... Timer off. ÷ The selected program No. lights. ÷ The timer will not function unless a program No.
is selected. 2 Put the unit in standby mode. POWER ÷ The standby/timer indicator lights in orange in standby mode. To set the same timer program again Press so that the desired PROG. indicators lights.
Press while power is ON. TIMER When timer operation is not required Press so that all PROG. indicators are OFF. Press while power is ON. TIMER RANDOM PGM REPEAT ALL SLEEP A.
P.S. O.T.T. PROG. 1 2 STEREO R· Lights RANDOM PGM REPEAT ALL SLEEP A.P.S. O.

T.T. PROG. 1 2 STEREO R·D·S E T Goes off TRACK NO. TOTAL AUTO TUNED TRACK NO TOTAL AUTO TUNED ÷ Be sure to load a disc or tape and adjust the listening volume. ÷ The reservation contents are held in memory. Application section Note To check or modify the reservation contents, restart the timer reservation from the beginning. Sleep timer (SLEEP) Set the number of minutes after which the unit is to be turned OFF. Set the time. ÷ The unit is turned OFF automatically after the set time has elapsed.
÷ Each press increases the timer period by 10 minutes. The sleep timer can be set up to 90 minutes. SLEEP 10=20=30...
70=80=90=Cancel=10=20... Lights RANDOM PGM REPEAT ALL SLEEP A.P.
S. O.T.T. PROG. 1 2 STEREO To cancel Turn the unit OFF or press the SLEEP key until the sleep time is cancelled. 80180012 SLEEP··10·· FM AM PM kHz

MHz BEST HITS O. TRACK NO. TOTAL AUTO TUNED Duration for sleep timer Important Items Maintenance Cleaning the head section Cotton swab Capstan 43 HM-331 (En/T) Cleaning the heads and peripheral components For maintaining the best condition of the deck and for longer service life, always keep the heads (recording / playback / erase), capstan and pinch roller clean. To clean them, perform the following: 1.

Open the cassette holder. 2.Using a cotton swab dipped in alcohol, clean the head (recording / playback / erase), capstan and pinch roller carefully. Demagnetizing the head Head Pinch roller Tape guides Note When the recording / playback head is magnetized, the sound quality will deteriorate. In such a case, demagnetize the head using a commercially available demagnetizer (head eraser).

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There are precisely aligned parts around the heads, including the tape guides. When cleaning, pay special attention so as not to apply shock to them. Maintenance of the Set When the front panel, the case, etc. becomes dirty, wipe with a soft, dry cloth. Do not use thinner, alcohol, etc.
, as these can cause discoloration. In regard to contact cleaners Do not use contact cleaners because it could cause a malfunction. Be specially careful not to use contact cleaners containing oil, for they may deform the plastic component. Reference Caution on condensation Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside. This unit may not function properly if condensation occurs.
In this case, leave the unit for a few hours with the power left ON, and restart the operation after the condensation has dried up. Be specially cautious against condensation in a following circumstance: When this unit is carried from a place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc. Memory backup function Stored contents which are cleared immediately when power plug is unplugged from power outlet Stored contents which are cleared in at least a day after power plug is unplugged from power outlet Clock display Note related to transportation and movement Before transporting or moving this unit, carry out the following operations. 1 Remove the CD from the unit. 2 Press the 6 key of the CD.
3 Wait for some time and verify that the display becomes as shown in the figure. 80 8 200 CDJNOTDISC· PM MHz BEST HITS O.T Amplifier section "on/standby" status (ON or STANDBY) Last input selection Volume control value Tone control levels AUX input level Balance setting Tuner section Receiving band Frequency Preset stations Auto/mono setting Program timer setting contents Cassette deck unit Transport direction "tape EQ." Reverse mode Knowledge section WARNING NOTICE: IN MOST CASES IT IS AN INFRINGEMENT OF COPYRIGHT TO MAKE COPIES OF TAPES OR DISCS WITHOUT THE PERMISSION OF THE COPYRIGHT OWNERS. ANYONE WISHING TO COPY COMMERCIALLY AVAILABLE TAPES OR DISC SHOULD CONTACT THE MECHANICAL COPYRIGHT PROTECTION SOCIETY LIMITED OR THE PERFORMING RIGHTS SOCIETY LIMITED. 4 Wait a few seconds and turn the unit OFF. 44 In case of difficulty HM-331 (En/T) What seems to be a malfunction is not always so. Before calling for service, check the following table according to the symptom of your trouble. Operation to reset The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while unit is ON or due to an external factor.

In this case, execute the following procedure to reset the microcomputer and return it to normal condition. ÷ Please note that resetting the microcomputer clears the contents stored in and it returns to condition when it left the factory. Unplug the power cord from the power outlet then, while holding the "set/demo" key depressed, plug the power cord again. set/demo 2 2 Amplifier section/Speakers Symptom Sound is not produced. Cause ÷ The speaker cords are disconnected. ÷ The volume control is set to the minimum position. ÷ The MUTE key of remote control unit is switched ON. ÷ The headphone plug is inserted into the jack. ÷ The speaker cords are short-circuited. Remedy ÷ Connect properly referring to "System connection".
÷ Adjust to an required volume. ÷ Switch MUTE OFF. ÷ Unplug the headphone plug. ÷ Turn the unit OFF, remove the shortcircuit and turn the unit ON again. ÷ Insert correctly.
÷ Connect properly referring to "System connection". ÷ Adjust the optimum left and right balance. 6 % No sound from the head- ÷ Imperfect insertion. phones. Sound is not produced from ÷ The speaker cords are disconnected.
the left or right speakers. % ÷ The BALANCE is set completely to the left or right channel. 6 fl Tuner section Symptom Cause Remedy ÷ Adjust the present time again. ÷ Adjust the present time again. ÷ Adjust the present time referring to "Clock adjustment". ÷ Set the timer ON time and OFF time. ÷ Press the TIMER key to set up the execution. ÷ Connect antennas. ÷ Select a band. ÷ Tune to the frequency of the desired station.

÷ Install the outdoor antenna in an apart position from the road. ÷ Switch the suspected electric appliance OFF. ÷ Install the TV or the system at an increased distance between them. ÷ Preset stations with tunable frequencies. ÷ Preset stations again. The clock display blinks with- ÷ There was a power failure. out changing the figures. ÷ The power cord was unplugged from the outlet. ° Timer operation is not pos- ÷ The present time has not been adjusted sible. or there was a power failure.
÷ The timer ON time and OFF time have not been set. ÷ The timer execution was not set up. q Radio stations cannot be re- ÷ The antennas have not been connected. ceived. ÷ A proper broadcasting band has not been selected.
÷ The frequency of the station to be received is not tuned. 6) Knowledge section Noise interferes. ÷ Car ignition noise. ÷ Influence of an electric appliance. ÷ A TV set is installed near the system.
A station has been preset but ÷ The frequency of the preset station is not tunable. it cannot be received by press÷ The preset memory has been cleared ing the P .CALL key. because the power cord has been unplugged for a long period. ¡ In case of difficulty 45 HM-331 (En/T) CD player section Symptom Cause ÷ The disc position is displaced. ÷ The disc is extremely dirty. Remedy ÷ Place the disc properly, with the label side facing upward. ÷ Place the disc properly. ÷ Clean the disc referring to "Disc handling precautions". ÷ Try another disc.

÷ Refer to "Caution on condensation" and remove the condensation by evaporation. ÷ Place a disc in the CD player. ÷ Press the 6 key. ÷ Clean the disc referring to "Disc handling precautions". ÷ Try another disc. ÷ Clean the disc referring to "Disc handling precautions". ÷ Try another disc. ÷ Install the unit in a place not subject to vibrations. A CD is placed in the player but ÷ The disc is placed upside down. it cannot be played.
÷ The disc is scratched. ÷ Dew is condensed on the optics lens. 5 e Sound is not produced. ÷ The disc has not been placed. ÷ The player is not put to the play mode.
÷ The disc is extremely dirty. ÷ The disc is scratched.

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