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You can read the recommendations in the user guide, the technical guide or the installation guide for KENWOOD HM-332. You'll find the answers to all your questions on the KENWOOD HM-332 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-332**  
**User guide KENWOOD HM-332**  
**Operating instructions KENWOOD HM-332**  
**Instructions for use KENWOOD HM-332**  
**Instruction manual KENWOOD HM-332**

# KENWOOD

MICRO HI-FI COMPONENT SYSTEM

## HM-332

INSTRUCTION MANUAL

KENWOOD CORPORATION



B60-4726-08 (EN)



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**Manual abstract:**

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..... @AC 220 V only \*Other countries ..

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... AC 110-120 / 220-240 V switchable U.S.  
A. and Canada .....

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@@@The mains plug contains a fuse. For replacement, use only a 13-Amp ASTA-approved (BS1362) fuse. 2. The fuse cover must be refitted when replacing the fuse in the moulded plug. 3.

Do not cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach 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.

\*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.

@@@@@NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. @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 Contents Preparation section Before applying power .....

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÷ Do not place any objects impairing heat radiation onto the top of unit. ÷ Leave a space around the unit (from the largest outside dimension including projection) equal or greater than, shown below. Top panel : 50 cm Back panel : 10 cm FM indoor antenna The accessory antenna is for temporary indoor use only. For stable signal reception we recommend using an outdoor antenna.

Remove the indoor antenna if you connect one outdoors. CAUTION Be sure to adhere followings. Or proper ventilation will be blocked causing damage or fire hazard. ÷ Do not place any objects impairing heat radiation onto the top of unit. 1 Connect the antenna to the antenna terminal. 2 Locate the position providing good reception condition. 3 Fix the antenna. Preparation section ANTENNA AM GND FM 75 FM indoor antenna Speaker (Left) ANTENNA AM GND FM 75 L AUX IN R SPEAKERS(616) + R L OPTICAL OUT POWER cord TO WALL AC OUTLET SPEAKERS(616) + R L Speaker cord Connect correctly + to + and - to -. 8 System connection Connection of other accessories (Commercially available parts) 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. DIGITAL OUT jack (OPTICAL) Optical fiber cable DIGITAL OUT OPTICAL Preparation section The DIGITAL OUT jack (OPTICAL) outputs the CD signal. The CD signal can be recorded in digital format by connecting a recorder to the DIGITAL IN jack (OPTICAL). FM outdoor antenna Lead the 75 coaxial cable connected to the FM outdoor antenna into the room and connect it to the FM 75 terminal. Please remove the indoor antenna after an outdoor antenna has been installed. cap If necessary, remove the cap and plug the optical fiber cable (optical) ANTENNA AM GND FM 75 L SPEAKERS(616) L AUX IN R AUX IN R + R L DIGITAL OUT OPTICAL Antenna adaptor (optional) Audio cord Audio output POWER cord TO WALL AC OUTLET VCR, Analog turntable with built-in RIAA equalizer (optional P-110), etc.

MD recorder or DAT etc. Notes 1. In case an associated system component is connes the TAPE 0 key to open or close. \$ menu key % Used for switching the EX.BASS play and LOUDNESS play. Headphones with a stereo mini plug (optional) can be connected. 4 TAPE 0 key Press to listen to the input source connected to AUX (analog external). Press to open or close the cassette holder. Light in standby mode of power. Red : Normal standby mode Amber : Timer standby Extinguished : Power ON mode 5 Standby / timer indicator % set/demo key Press to switch the function of the volume/multi control knob. This key is Used for scroll display of the text informations of CD-TEXT compatible disc. Press to switch the tape equalizer on. This is used to set the sleep timer. SET key ENTER key 0 TAPE 23 key CD 6 key TUNER/BAND key ! TAPE O.T.

E. key TM ; Press to set or enter an item selected with the "VOLUME/ multi control". It is used to enter the preset station memory in the tuner. 7 STOP key TIMER key 4 SOUND key TONE key 5 RDS-related keys (Only some areas) PTY key 6 MUTE key Used at the time of program type detection. This is used to suppress the sound temporarily.

This is used to adjust the tone. Used to select the timer. Used for switching the EX.BASS play and LOUDNESS play. > These keys are used for recording of a CD onto tapewith 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. @ VOLUME control keys Press to control the volume. Press to control the tone. \$ fl Operation of remote control unit 13 1 Remove the cover.

Loading batteries 2 Insert batteries. 3 Close the cover. ÷ Insert two R6 ("AA"-size) batteries following the polarity indications. Operation Preparation section After plugging the power cord of this unit, press ) key of the remote control unit the POWER ( to turn the system ON. When the system is turned ON, press the key of the function to be operated. Remote sensor Operating range (approx.) 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. RC-F0100E 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.

In regard to the DISPLAY key When a title recorded in a CD-TEXT disc is too long to be displayed in the dot display, press this key to scroll the display and view the characters which has not be displayed. Pressing the key during stop scrolls the disc title. DISPLAY Pressing the key during playback scrolls the track title. 14 Basic use method Bass and treble compensation The system is switched ON and STANDBY. Bass and treble compensation 1 2 Muting the sound temporarily Listening through headphones 3 Basic section 1.

Set the POWER ( POWER )key to ON. When the POWER ( ) key is pressed while the unit is ON switches it OFF. The standby/timer indicator lights red or amber. 1 Example: To select the CD input CD ÷ Pressing the CD 6, AUX, TAPE23 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. CD TAPE TUNER (Broadcasts) AUX (External input) ^ \* ) 6 2 up volume/ multi control down "Adjusting the AUX input level" ÷ Pressing the CD 6, AUX, TAPE23 or TUNER/band key selects the corresponding input. 3. Volume adjustment.

÷ The display shows a reference value. 3 The volume decreases The volume increases Basic use method 15 Listening through headphones Insert the headphone plug into the "phones" jack. phones Bass and treble compensation sound ÷ Headphones with a stereo mini plug can be connected. ÷ The sounds from all speakers are cut off. Each press switches the modes as follows. 1 "EX.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. Muting the sound temporarily (Remote control unit only) Canceled. ÷ Adjusting the tone while the "LOUD" or "EX.



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BASS" indicator is lit turns it off and cancels the sound enhancement mode.

fl MUTE ÷ Press again to resume the original volume. ÷ This is also cancelled when the volume is changed. Basic section Standby mode While the standby/timer indicator of the unit is lit in red or amber, a small amount of current flows to back up the memory. This condition is called standby mode. 01 CD When CD has been selected.

0:00 01 0:12 V OLUME 20 Volume display 16 Playback of CD 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. Skipping tracks Playback from desired track To fast forward and backward To stop playback Skipping tracks 1 To stop playback Start playback/ To pause playback 2 Start playback/ To pause playback Basic section 1. Load a disc. CD 0 1 Press the CD0 key. 2 Place a disc. 3 Press the CD0 key. The label side must be on top. 1 2. Start playback. CD 6 2 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.

# Some CDs conforming to CD-TEXT may not display text information. Up to 1000 letters may be displayed. If the CD exceeds 1000 letters, "TEXT MEMORY FULL" will be displayed. Playback of CD 17 Skipping tracks To skip backward 4 ¶ To pause playback To skip forward CD 6 ÷ 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. ÷ Each press pauses and plays the CD alternately. Playback from desired track (Remote control unit only) Select the desired track No. To fast forward and backward (Remote control unit only)

Backward search TUNING Forward search Press the numeric keys as shown below..

.. To select track No. 23 : 003 To select track No. 40 : 0000) ÷ Playback starts from the position where the key is released.

To stop playback STOP Eject the CD CD Basic section 7 ÷ The CD tray opens. 0 Time display on CD player (Remote control unit only) Each press of the TIME key changes the displayed contents. ÷ Do not touch the played side of disc. ÷ Be sure to place a disc horizontally. Placing it with an inclination will result in malfunction.

Displayed when a disc is loaded. 1 1:23 (Elapsed played) time of track being 2 -2:37 (Remaining time of track being played) 23:45T (Elapsed time of entire disc) -36:15T (Remaining time on entire disc) 3 01 0:12 C D KENWOOD ÷ Titles are displayed for discs conforming to CD-TEXT. ÷ After a few seconds, play starts from track No.1. 4 ÷ Only time information 1 and 2 can be displayed during single-track repeated playback or random playback. 18 Playback of tape If you load a tape in the cassette deck in advance while the power is off. pressing the TAPE23 key turns power on automatically and starts the tape playback. To wind tape at high speed Selection of TAPE EQ. To wind tape at high speed Selection of reverse mode 1 2 Basic section Start playback To stop playback Start playback To stop playback 1. Load a cassette tape.

TAPE 0 1 Press the TAPE0 key. 2 Insert a tape. 3 Press the TAPE0 key. 1 2. Start playback. Press the TAPE 23 key of the desired direction. TAPE 2 3 Transport direction indicators 2 Indicates the tape transport direction during playback or recording by lighting of 2 or 3. This direction is the direction stored in memory when the tape was last stopped. Playback of tape 19 To wind tape at high speed To fast wind in direction \ 4 ¶ To stop playback To fast wind in direction \ STOP 7 ÷ Press the 7STOP key to stop fast winding. Selection of reverse mode (Main unit only) ISelect "TAPE RVS.

?. menu up volume/ multi control Selection of TAPE equalizer (TAPE EQ.) (Remote control 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 down Lit when "TAPE EQ." is ON TAPE EQ. (Press the set/demo key while the "?" mark is blinking.) 2 Select. up volume/ multi control 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. down 0000 T APE STOPR E W ÷ Normal (TYPE ), high (TYPE ), or metal (TYPE selection is set automatically. ÷ Remove tape slack before loading. ) tape 1 " " : (REVERSE) Both sides are played back (recorded), and then the tape stops. 2 " ":(ENDLESS) Both sides are played back endlessly.

(The tape stops after recording onto both sides.) 3 " ":(ONE-WAY) Only one side is played back (recorded), and then the tape stops. Basic section (The initial setting is " " (REVERSE). 3 Set it. set/demo A tip for use of the tape counter Tape counter 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 to "0000", open the cassette holder once. Then the counter will be reset. 0152 T APE PLAYR E W Transport direction indicators Displayed when the deck is loaded with a tape.

Do not use a cassette with more than 90-minute recording time, for the tape used with such a cassette is very thin and tends to cause troubles such as entanglement around the pinch roller or cutting of tape. 20 Receiving broadcast station Up to 40 radio stations can be preset in memory. When the "TUNER/band" key is pressed, the unit will automatically be switched on and reception status will be reached. Collective presetting of stations Auto/manual station switching 3 Preset call 1 One-by-one presetting TUNER/band Basic section 1. Press the tuner/band key.

Preset a radio station in memory. 1 1FM 2AM 2. Preset a radio station in memory (auto preset or auto memory). Follow the procedure in "Collective presetting of stations (auto preset)" to preset automatically the tunable radio stations in your area. TM ÷ Once stations are stored by auto preset, the present procedure is not required from the next time, unless you move of house or re-execute presetting of all tunable stations.



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The desired program type can be selected with the 4 or € keys from 29 types. Press the key and release it when the desired type is displayed. Application section B Selection with the numeric keys The program types 1 to 9 and 0 can be selected directly with the number keys. Use the 4 or € keys to select other program types. R.D.S.

(Radio Data System) (Except for some areas) 31 3 Start the search. PTY When searching for a Rock Music broadcast Display while the tuner is searching. Blinks Program type name display. ÷ No sound is heard while "PTY" is blinking. ÷ If a program of the desired type cannot be found, "NO PROG" is displayed, then after several seconds the display returns to the original display. ÷ If a program of the desired type is found, that program is received and the program type name display changes temporarily to the station name display. When a station is received. @@@@ @@@@ @@@@ @@@@ ÷ Operation is also possible with the o.t.e.

@@ has been produced. @@2 Insert disc in the CD player. Program 2 tracks. @@§ 3 Start recording. TAPE O.

T.E. ÷ When the PGM/AUTO/MONO key is pressed to cancel the edited contents, the entire editing contents will be erased. ÷ Tracks programmed beyond the available tape recording time will be interrupted in the middle. ÷ Operation is also possible with the o. t.e. key of the main unit. To interrupt a recording At the end of the recording STOP Application section Cassette deck : Stop is executed after an unrecorded portion of about 4 sec. has been produced. (Recording and playback will be stopped.) Note Note that this cassette deck cannot record onto Metal tapes. 36 Tone adjustment The lowest and highest frequency bands can be adjusted independently. (Remote control only) 1 Select the frequency band. TONE Tone adjustment Each press switches the operation.

1 "BASS" (low frequency) adjustment (Go to step 2 within 20 seconds.) BASS +2 2 "TREBLE" (high frequency) adjustment 002 0 27 T REBLE -4 3 Normal mode ÷ The levels of both "BASS" and "TREBLE" can be adjusted in 2 steps in the range between -8 and +8. ÷ Adjusting the tone while the "LOUD" or "EX.BASS" indicator is lit turns it off and cancels the sound enhancement mode. 2 Adjust. VOLUME (To adjust the other frequency band, repeat steps 1 and 2 for it.) 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 up volume/ multi control down set/demo Application section Turning the knob switches the display contents. TAPE RVS. ? AUTO PRESET (or A.MEMORY ?) (Only when the TUNER input is selected) AUX INPUT ? (Only when the AUX input is selected) BALANCE ? BACK LIGHT ? A.P.S.

SET ? TIMER SET ? (Press the set/demo key while the "?" mark is blinking.) 2 Adjust. 1 Adjust the balance. up volume/ multi control down BALANCE L ---+----R The right volume is decreased. The left volume is decreased.

2 Set it. set/demo Listening to an AUX input source Listening to an AUX input source 37 1 Select AUX (external input). AUX 2 Play the connected equipment.. 3 Adjust the volume. up volume/ multi control down 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 INPUT ?" menu up volume/ multi control set/demo down Turning the knob switches the display contents. TAPE RVS.

? AUX INPUT ? BALANCE ? BACK LIGHT ? A.P.S. SET ? TIMER SET ? Application section 2 Adjust the input level. up volume/ multi control down The level decreases. The level increases. AUX IN P U T L EVEL +2 ÷ Adjust the input level while "AUX INPUT" is displayed. ÷ Adjustment is possible over the range from -4 to +3. ÷ Adjusting the input level control also varies the recording level from the input source connected to the AUX input jacks. 2 Set it set/demo 38 Clock adjustment As the clock is not used to show the time of the day but is also used in timer operations, be sure to set the clock in advance. 1 Activate the clock adjustment mode. Press and hold for more than 2 sec. when the power is ON. menu TIME ADJUST 12:00 a m ÷ The time display starts to blink. 2 Enter the figure of hour.

1 Enter the figure of hour. up volume/ multi control Example: Adjustment to 8:07 down To decrease hour To increase hour TIME ADJUST 8:00 a m ÷ 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. 2 Set it. set/demo 3 Enter the figure of minute. Application section 1 Enter the figure of minute. up volume/ multi control Example: Adjustment to 8:07 down TIME ADJUST 8:07 a m To increase minute ÷ If you make a mistake, restart from the beginning. ÷ When the time of day has been set by pressing the set/ demo key, the display shows "COMPLETE". ÷ 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 7STOP key is pressed while the power is in the standby mode, the time of the day will be displayed for 5 seconds. To decrease minute 2 Set it. set/demo Timer operation Operate easy To use Timer (O.T.T.

) Timer playback, timer recording (PROG.1, PROG.2) 39 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 take 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) When timer playback starts, the volume level increases gradually until a certain level is reached. Sleep timer (SLEEP) The unit is turned OFF automatically after the specified period has elapsed. Adjust the clock before setting the timer.

° Connect the related equipment under reference to "System connection". 6~8 Setting the O.T.T. timer Timer playback which occurs only once and only for an hour can be programmed by simply setting the start time.

The timer playback reproduces the source selected at the last time the unit is turned off at the last set volume. 1 Press the menu key. 2 Rotate the volume/multi control knob to select "TIMER SET?". Turning the knob switches the display contents. TAPE RVS.

? AUTO PRESET (or A.MEMORY ?) (Only when the TUNER input is selected) AUX INPUT ? (Only when the AUX input is selected) BALANCE ? BACK LIGHT ? A.



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P.S. SET ? TIMER SET ? 3 Press the set/demo key. 4 Rotate the volume/multi control knob to select "O.T.T. SET?". 5 Press the set/demo key to set "O.

T.T. SET?". 6 Rotate the volume/multi control knob to select the time of the day to start playback or tuning (ON time). 7 Press the set/demo key to set the ON time. 8 Reserve the timer operation. ÷ Press the remote's timer key repeatedly until "O.T.T." lights up.

÷ When the O.T.T. timer is set while the PROG.1 or PROG.

2 timer has been set, the reservation by the PROG.1 or PROG.2 timer is canceled. Turning the knob switches the display contents. 1 O.

T.T. SET ? 2 PROG. 1 SET ? 3 PROG. 2 SET ? ÷ The ON time can be set in steps of 5 minutes. Application section Lights O.T.T. AUTO 9 Press the POWER ( off (STANDBY). ) key to turn power FM 87.

50MHz COMPLETE E W ÷ After the timer has been set and power is off (timer standby), if there is a power failure or the power cord is unplugged from and plugged again into the power outlet, the standby/timer indicator blinks in amber. In this case, set the clock again. ÷ The standby/timer indicator lights in amber in the standby mode. 40 Timer operation Setting an everyday timer program (PRG. TIMER) 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. Adjust the clock before setting the timer.° 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. TM Playing the auxiliary input source Make timer setting of the component connected to the AUX input jacks. For recording Make preparations for recording.

ç ÷ 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 Select the timer number. 1Select "TIMER SET ?". menu up volume/ multi control down set/demo Turning the knob switches the display contents. TAPE RVS. ? AUTO PRESET (or A.MEMORY ?) (Only when the TUNER input is selected) AUX INPUT ? (Only when the AUX input is selected) BALANCE ? BACK LIGHT ? A.P.S. SET ? TIMER SET ? Application section (Press the set/demo key while the "?" mark is blinking.

) 2 Select "PROG. 1 SET ?" or "PROG. 2 SET ?". up volume/ multi control Turning the knob switches the display contents. 1 O.T.T. SET ? 2 PROG. 1 SET ? 3 PROG. 2 SET ? down 3 Set it.

set/demo (Press during display of the program contents.) ÷ The selected timer number lights. ÷ If the selected timer number has a previously set program with it, the program will be overwritten by the newly set program. ÷ The previously set contents are displayed. (If you do not want to change them, simply press the set/demo key.

) Timer operation 41 3 Set the ON time then the OFF time. 1 Adjust the time. up volume/ multi control PROG. 1 PROG. 1 ON TIME 7:00 a m The time is advanced.

OFF TIME 8:00 a m d The time is returned. 2 Set it. set/demo ÷ 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, press the menu key and restart from step 2. 4 Make the desired reservation. up volume/ multi control For timer playback or AI timer playback For timer recording 1 Select the mode. (1) Select "PLAY" or "AI PLAY". (2) Enter it. set/demo volume/ multi control 1 Select the mode. up (1) Select "REC".

d d set/demo 1 PLAY 2 REC 3 AI PLAY (2) Enter it. 1 PLAY .....

. Timer play 2 REC 3 AI PLAY ....

Timer play with gradually increasing volume 2 Select the input source. up volume/ multi control 2 Select the input source. up volume/ multi control (1) Select what is to be recorded. d set/demo (1) Select the source to be played.

(2) Enter it. 1 TUNER ..... Broadcasts 2 AUX ....

External input (2) Enter it. d set/demo volume/ multi control up 3 Select the broadcast station (only when TUNER is selected above). (1) Select the preset station No. (2) Enter it. Application section 1 2 3 4 TUNER .....

Broadcasts CD TAPE AUX .....

.....

. External input (video, etc.) d set/demo ÷ To select AUX, rotate the volume/multi control knob counterclockwise. up volume/ multi control 3 Select the broadcast station (only when TUNER is selected above). (1) Select the preset station No. (2) Enter it. ÷ When the timer setting is completed by pressing the set/demo key, "COMPLETE" is displayed. ÷ The sound is muted during timer recording. If you want to monitor the recorded sound, turn the volume/multi control knob (or press the volume key on the remote) to adjust the volume. d set/demo ÷ When the timer setting is completed by pressing the set/demo key, "COMPLETE" is displayed.

÷ The source is played back at the volume set the last time the power was turned off. Continued to next page 42 Timer operation 5 Reserve the timer operation. TIMER PROG. 1 PROG. 2 PROG. 1 2 ÷ Press the TIMER key on the remote repeatedly until "PROG.1", "PROG. 2" or "PROG.1 2" lights. 6 Put the unit in standby mode.

standby / timer POWER POWER ÷ The standby/timer indicator lights in amber in the standby mode. ÷ After the timer has been set and power is off (timer standby), if there is a power failure or the power cord is unplugged from and plugged again into the power outlet, the standby/timer indicator blinks in amber.

In this case, set the clock again. When timer operation is not required When power is ON, press the TIMER key to turn off the timer-related indicators completely. To set the same timer program again When power is ON, press the TIMER key to turn on the indication of the timer operation you want to execute.

TIMER TIMER Each press switches the timer as follows. 1 O.T.T. 2 PROG.

1 3 PROG. 2 4 PROG. 1 2 5 Extinguished Each press switches the timer as follows. 1 O.T.T. 2 PROG. 1 3 PROG. 2 4 PROG. 1 2 5 Extinguished ÷ The reservation contents are held in memory.

÷ Be sure to load a disc or tape and adjust the listening volume. 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.



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70=80=90=Cancel=10=20... Lights SLEEP 01 0:12 S LEEP 10 To cancel Turn the unit OFF or press the SLEEP key until the sleep time is cancelled. Duration for sleep timer Important Items Maintenance Cleaning the head section Cotton swab Capstan In case of difficulty 43 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 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). Head Pinch roller Tape guides Note 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. Note related to transportation and movement Before transporting or moving this unit, carry out the following operations. 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 1 Remove the CD from the unit. 2 Press the CD 6 key. 3 Wait for some time and verify that the display becomes as shown in the figure. 4 Wait a few seconds and turn the unit OFF. 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 COMMERCIALY AVAIL ABLE TAPES OR DISC SHOULD CONTACT THE MECHANICAL COPYRIGHT PROTECTION SOCIETY LIMITED OR THE PERFORMING RIGHTS SOCIETY LIMITED.

Amplifier section "on/standby" status (ON or STANDBY) Last input selection Volume control value Tone control levels AUX input level Balance setting Setting auto power save Tuner section Receiving band Frequency Preset stations Auto/mono setting Timer setting contents Cassette deck unit Transport direction Tape EQ. Reverse mode 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. Maintenance of the unit When the front panel or case becomes dirty, wipe with a soft, dry cloth. Do not use thinner, benzine, alcohol, etc. for these agents may cause discoloration. Knowledge section In regard to contact cleaner 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.

44 Important Items In case of difficulty 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. Sticky paste 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. 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.) 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. 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. 2. Endless tapes Do not use an endless tape, as this could damage the mechanism of the unit. Knowledge section Notes 1. Note on long tapes Do not use a tape longer than 90 minutes, for such tapes will easily cause troubles such as entanglement around a pinch roller or cutting off.

In case of difficulty In case of difficulty 45 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. STOP 7 Amplifier section/Speakers Symptom Sound is not produced. ÷ ÷ ÷ Remedy Connect properly referring to "System connections". Adjust to an required volume.

Switch MUTE OFF. Unplug the headphone plug. 6 % The standby/timer indicator blinks in red and no sound ÷ A speaker cord is short-circuited. Turn power off and reinsert. connect the speaker cord.

The standby/timer indicator lights in amber. No sound from the headphones. ÷ Adjust the present time again. ÷ Insert correctly. ÷ Adjust to an required volume.

÷ Adjust the optimum left and right balance.



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° % \$ 6 fl ° ° q w Sound is not produced from the left or right speakers. ÷ Connect properly referring to "System connection". The clock display blinks without changing the figures. ÷ Adjust the present time again. Timer operation is not possible. ÷ 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. Tuner section Symptom Radio stations cannot be received.

Remedy ÷ 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. 6 ) ) Noise interferes. Knowledge section A station has been preset but it cannot be received by ÷ Preset stations with tunable frequencies. pressing the P .CALL key.

÷ Preset stations again. TM TM 46 CD player section Symptom A CD is placed in the player but it cannot be played. In case of difficulty Remedy ÷ Place the disc properly, with the label side facing upward. ÷ Clean the disc referring to "Disc handling precautions". ÷ Refer to "Caution on condensation" and remove the condensation by evaporation.

÷ Press the CD 6 key. ÷ Clean the disc referring to "Disc handling precautions". ÷ Clean the disc referring to "Disc handling precautions". ÷ Install the unit in a place not subject to vibrations. r e Sound is not produced.

r r Sound skips. Remote control unit Symptom Remote control operation is not possible. Remedy ÷ Replace with new batteries. ÷ Operate the unit inside the remote controllable range. # # Cassette deck Symptom Sound cannot be produced by pressing the play key. @@ ÷ Play a recorded tape. @@@@ ÷ Press in stop mode. ÷ Clean the head referring to "Maintenance". ÷ Try another tape. ÷ Adjust the AUX input level.

÷ Demagnetize the head referring to "Maintenance". @@ ÷ Set the "TAPE EQ." to on. ÷ Clean the head referring to "Maintenance". ÷ Wind the tape again by fast forwarding, rewinding or playing from an end to the other. ÷ Use a cassette with an unbroken recording protect tab or block the hole. ÷ Set the input selector to the source to be recorded. e \* The cassette holders cannot be opened by pressing the TAPE 0 key. Sound is harsh or high frequencies are not reproduced. Sound is distorted.

Noise is noticeable. e e ( e ( r \* Sound vibrates. Recording cannot be started by pressing the record key. Knowledge section Specifications Main unit [Amplifier section] (For U.K.

@@@@ 15 W + 15 W (For U.S.A. @@@@ 20 W + 20 W Frequency response AUX ..

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... 50 Hz~50 kHz (0 dB ~ -3dB) [Tuner section] FM tuner section Tuning frequency range ..

..... 87.5 MHz ~ 108 MHz MW (AM) tuner section Tuning frequency range (For U.

S.A. and Canada) .....

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.... 530 kHz ~ 1700 kHz (For U.

K., Europe and Australia) .....

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..... 531 kHz ~ 1,602 kHz (For other countries) 9 kHz step ...

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..... 531 kHz ~ 1,602 kHz 10 kHz step .....

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. 530 kHz ~ 1,610 kHz [CD player section] Laser .....

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.. Semiconductor laser D/A Conversion ...

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.. 1 Bit Wow and flutter ...

.....  
... Less than unmeasurable limit [Cassette deck section] Track .....

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.. 4-track, 2-channel stereo Recording system .....

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..... AC bias system (Frequency: 65 kHz) Heads Playback / recording head .....

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... 1 Erasing head ..

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... 1 Motors .

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1 Wow and flutter .....

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... 0.2 % (W.R.M.S.) Fast winding time ..

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. Approx. 100 seconds (C-60 tape) [General] Power consumption .....

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... 60 W Dimensions W : 180 mm H : 239 mm D : 305 mm Weight (net) ..

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. 5.4 kg Caution : Read this page carefully to ensure safe operation. In case of difficulty 47 Speakers Enclosure ..  
.... Book shelf type, magnetically shielded Speaker configuration Woofer .....

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... 100 mm, cone type Tweeter .....

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.. 50 mm, cone type Impedance ...

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. 6 Maximum input level ....

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. 30 W Dimensions W : 150 mm H : 234 mm D : 197 mm Weight (net) .....

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2.4 kg(1 piece) KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice. ÷  
Sufficient performance may not be exhibited at extremely cold locations (where water freezes). Notes Knowledge section 48 In case of difficulty Knowledge  
section For your records Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided  
below.

Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product. Model Serial Number .



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