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You can read the recommendations in the user guide, the technical guide or the installation guide for KENWOOD KDC-3051G. You'll find the answers to all your questions on the KENWOOD KDC-3051G in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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KENWOOD

KDC-3051R
KDC-3051G
KDC-3051RY
KDC-3051GY
KDC-315A
KDC-315R
KDC-3251RY

CD-RECEIVER
INSTRUCTION MANUAL
AMPLI-TUNER LECTEUR DE CD
MODE D'EMPLOI
РАДИОПРИЕМНИК С КОМПАКТ-ДИСКАМИ
ІНСТРУКЦІЯ ПО ЕКСПЛУАТАЦІИ
АВТОМАТНОГО
ІНСТРУКЦІЯ З ЕКСПЛУАТАЦІЇ

Kenwood Corporation



This symbol mark indicates that Kenwood manufactured this product so as to decrease harmful influence on the environment.



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GET0671-001A (EW/E2W)



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Manual abstract:

@@@Driving with the volume too high may cause an accident. Condensation: When the car is airconditioned, moisture may collect on the laser lens. This may cause disc read errors. In this case, remove the disc and wait for the moisture to evaporate. This unit can only play the CDs with: WARNING Stop the car before operating the unit. Basic operations Getting started Canceling the display demonstration Setting the demonstration mode Adjusting the clock 5 6 Listening to the radio Adjust [SETTINGS] mode settings 6 8 Listening to a disc Selecting Repeat Play Selecting Random Play Selecting Scan Play Selecting a folder/track/file Listening to the other external components 9 Function settings Troubleshooting Installation/connection Basic procedure Warning Caution

Wiring connection Installing the unit 10 11 12 The illustrations in this manual are examples used to explain more clearly how the controls are used.

Therefore, what appears on the illustrations may differ from what appears on the actual equipment. If you experience problems during installation, consult your Kenwood dealer. When you purchase external components, check with your Kenwood dealer to make sure that they work with your model and in your area. Detailed information and notes about the playable audio files are stated in an online manual on the following site: www.kenwood.com/cs/ce/audiofile/

Specifications 15 2 The marking of products using lasers Declaration of Conformity with regard to the EMC Directive 2004/108/EC Manufacturer: Kenwood Corporation 2967-3 Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan EU Representative's: Kenwood Electronics Europe BV Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands This Product is not installed by the manufacturer of a vehicle on the production line, nor by the professional importer of a vehicle into an EU Member State. Information on Disposal of Old Electrical and Electronic Equipment and Batteries (applicable for EU countries that have adopted separate waste collection systems) Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed as household waste. Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts. Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment. Notice: The sign "Pb" below the symbol for batteries indicates that this battery contains lead. The label is attached to the chassis/case 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.

For Turkey Bu ürün 26891 sayılı Resmi Gazete'de yayımlanan Elektrikli ve Elektronik Eyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlanmasında Dair Yönetmelik uygun olarak üretilmiştir. This product complies with Directive, Number 26891 regarding "REGULATION ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT". Muting upon the reception of a phone call To use this feature, connect the MUTE lead to your telephone using a commercial telephone accessory. (page 13, 14) When a call comes in, "CALL" appears. The audio system pauses. To continue listen to the audio system during a call, press SRC. "CALL" disappears and the audio system resumes. When a call ends, "CALL" disappears. The audio system resumes. 3 ENGLISH Preparation How to attach/detach the faceplate 1 2 2 1 The faceplate is a precision piece of equipment and can be damaged by shocks or jolts.

To prevent deterioration, do not touch the terminals of the unit and faceplate with your fingers. Do not expose the faceplate to direct sunlight, excessive heat, or humidity. Also avoid places with too much dust or the possibility of water splashing. Keep the faceplate in its casing while detached. How to reset your unit

If this unit fails to operate properly, press the reset button. The unit returns to factory settings when the reset button is pressed. Reset button Initial settings before operations 1 2 3 4 Press SRC to enter [STANDBY] mode. Press the volume knob to enter [FUNCTION] mode. Turn the volume knob to select [INITIAL SET], then press to enter. Turn the volume knob to make a selection, then press to confirm.

See table below for selection. 5 Hold to finish the procedure. Item Selectable setting (Preset: *) PRESET TYPE NORM *: Memorizes one station for each preset button in each band (FM1/ FM2/ FM3/ MW/ LW) ; MIX: Memorizes one station for each preset button regardless of the selected band (FM1/ FM2/ FM3/ MW/ LW). KEY BEEP ON */ OFF: Activates/deactivates the keypress tone.

RUSSIAN SET ON: Folder name, file name, song title, artist name, album name are displayed in Russian (if applicable). ; OFF *: Cancels. P-OFF WAIT Sets the duration when the unit will automatically turns off (while in standby mode) to save the battery. : Cancels ; 20M *: 20 minutes ; 40M: 40 minutes ; 60M: 60 minutes BUILTIN AUX ON1 *: Outputs sound of the connected external component when "AUX" is selected as the source. ; ON2: Outputs sound from the connected external component when "AUX" is selected as the source.

When you turn on the power, the sound attenuates (to prevent noise when no external component is connected). Turn the volume knob clockwise to return to the previous volume level. ; OFF: Disables "AUX" in source selection. CD READ 1 *: Automatically distinguishes between audio file disc and music CD. ; 2: Forces to play as a music CD. SWITCH PRE REAR */ SUB-W: Selects whether rear speakers or a subwoofer are connected to the line out terminals on the rear of the unit (through an external amplifier). SP SELECT OFF */ 5/4/ 6 × 9/6/ OEM: Selects the speaker size for optimum performance. [SWITCH PRE] is selectable only with KDC-3051R/ KDC-3051G/ KDC-315A/ KDC-315R/ KDC-3251RY. 4 Loading slot Detaches the faceplate Display window Ejects the disc Volume knob The following indicator lights up when..

. ST: A stereo broadcast is received (FM). IN: A disc is in the unit. Button Auxiliary input jack TI: Traffic Information function is turned on. RDS: RDS service is available. When you press or hold the following button(s)... General operation Turns on. Turns off if pressed and held. Selects the available sources (TUNER, CD, AUX, STANDBY), if the power is SRC turned on. · If the source is ready, playback also starts. "CD" is selectable only when a disc is loaded. Adjusts the volume level. Volume knob Selects items.

(turn) Confirms selection. Volume knob Enters [FUNCTION] settings. (press) Selects the FM bands (FM1/ FM2/ FM3) or MW/ LW.



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BAND Selects the next folder. Pauses/resumes playback of a disc.

Mutes the sound while listening to a radio or an external component connected to the auxiliary input jack. Searches for a radio station. Selects track/file. 4/¢ Fast-forwards/reverses tracks if pressed and held. Changes the display information. Scrolls the display information if pressed and held. SCRL DISP Enters clock adjustment mode directly (page 6) if pressed and held while in clock display screen. Returns to the previous item. Exit from setting mode if pressed and held. 5 ENGLISH Basic operations Getting started Canceling the display demonstration The display demonstration is always turned on unless you cancel it.

When you turn on the power (or after you reset the unit), the display shows: [CANCEL DEMO]\[PRESS]\[VOLUME KNOB] 1 Press the volume knob. [YES] is selected as the initial setup. 2 Press the volume knob again to confirm. [DEMO OFF] appears. If no operation is done for about 15 seconds or if you turn the volume knob to select [NO] in step 2, [DEMO MODE] appears and the display demonstration starts. 3 Turn the volume knob to select [ON] or [OFF]. If [ON] is selected, display demonstration starts if no operation is done for about 20 seconds. 4 Hold to finish the procedure. Adjusting the clock 1 Press the volume knob to enter [FUNCTION] mode. 2 Turn the volume knob to select [SETTINGS], then press to enter.

3 Turn the volume knob to select [CLOCK], then press to enter. 4 Turn the volume knob to select [CLOCK ADJ], then press to enter. Clock hour flashes on the display. 5 Turn the volume knob to adjust the hour, then press to enter minute adjustment. Clock minutes flashes on the display.

6 Turn the volume knob to adjust the minute, then press to confirm. Press 4 / ¢ to move between the hour and minute adjustment. 7 Hold to finish the procedure. Setting the demonstration mode 1 Press the volume knob to enter [FUNCTION]. 2 Turn the volume knob to select [DEMO MODE], then press to enter.

Listening to the radio Hold to turn on or off the Traffic Information function (not applicable if "MW/LW" is selected). Hold for about 2 seconds to memorize the current station or the selected Program Type. @@1 Press the volume knob to enter [FUNCTION] mode. 2 Turn the volume knob to select [SETTINGS], then press to enter. 3 Turn the volume knob to make a selection, then press to confirm. See table below for selection. 4 Hold to finish the procedure. @@; OFF *: Cancels. Selects the tuning mode for 4 / ¢ buttons. AUTO1 *: Automatically search for a station.

; AUTO2: Search in the order of the stations in the preset memory. ; MANUAL: Manually search for a station. @@; NO *: Cancels (automatic memorizing is not activated). @@; OFF *: Cancels (stereo effect resumes). PTY SEARCH Selects the available Program Type (see table below). Then, press 4 / ¢ to start searching. Press the volume knob to enter PTY language selection. @@@@; OFF *: Cancels. @@; OFF: Cancels. @@; OFF: Cancels.

@@@@; OFF: Cancels. @@@@[SPEECH] : White character item. ; [MUSIC] : Black character item. @@@@It will be applied the next time TrafficB.BOOST LV2: Selects your preferred bass boost level.

; OFF: Cancels. @@@@BASS LEVEL: 8 -- +8 (Preset: 0): Adjusts the level. BASS Q FCTR: 1.00 */ 1.25/ 1.

50/ 2.00: Adjusts the Q factor. BASS EXTEND: ON: Turns on the extended bass. ; OFF *: Cancels. @@@MID LEVEL: 8 -- +8 (Preset: 0): Adjusts the level. MID Q FCTR: 0.75/ 1.00 */ 1.25: Adjusts the Q factor. @@@TRE LEVEL: 8 -- +8 (Preset: 0): Adjusts the level.

@@@@@SUB-W SET ON *: Turns on the subwoofer output. ; OFF: Cancels. @@@@@(Selectable only if a setting other than [THROUGH] is selected for [LPF SUB-W].) SUPREME SET: ON *: Creates realistic sound by interpolating the high-frequency components that are lost in MP3/WMA audio compression. ; OFF: Cancels. (Selectable only when playback an MP3/ WMA disc.) VOL OFFSET: 8 -- +8 (for AUX) ; 8 -- 0 (for other sources): Presets the volume adjustment level of (Preset: 0) each source. The volume level will automatically increase or decrease when you change the source. (Before making an adjustment, select the source you want to adjust.) KDC-3051R/ KDC-3051G/ KDC-315A/ KDC-315R/ KDC-3251RY only: [SUB-W LEVEL/ SUB-W SET/ LPF SUB-W/ SUB-W PHASE] is selectable only if [SWITCH PRE] is set to [SUB-W].

(page 4) [SUB-W LEVEL/ LPF SUB-W/ SUB-W PHASE] is selectable only if [SUB-W SET] is set to [ON]. Select a source before making a source tone memory adjustment, [BASS ADJUST/ MID ADJUST/ TRE ADJUST]. 10 [SETTINGS] Item AUX NAME CLOCK DISPLAY Selectable setting (Preset: *) AUX */ DVD/ PORTABLE/ GAME/ VIDEO/ TV: Selects the desired name for the connected component. (Selectable only if "AUX" is selected as the source.) CLOCK ADJ: (For details, see page 6.)

) TIME SYNC: ON *: Synchronizes the RDS station time data and the unit's clock. ; OFF: Cancels. DIMMER SET: ON: Dims the display illumination. ; OFF *: Cancels. TEXT SCROLL: AUTO/ ONCE: Selects to scroll the display information automatically, or scroll only once.

; OFF *: Cancels. NEWS SET/ AF SET/ RDS REG/ ATP SEEK: Selectable only if any source other than tuner source is selected. (For details, refer page 7.) RDS SET Troubleshooting Symptom Sound cannot be heard. "PROTECT" appears and no operations can be done. The unit does not work at all. [P-OFF WAIT] does not work. Radio reception is poor. / Static noise while listening to the radio. "IN" flashes.

Remedy/Cause Adjust the volume to the optimum level. / Check the cords and connections. Check to be sure the terminals of the speaker leads are covered with insulating tape properly, then reset the unit. If "PROTECT" does not disappear, consult your nearest service center. Reset the unit. Turn off the demonstration mode. (page 6) Connect the antenna firmly. / Pull the antenna out all the way. The CD player is not operating properly. Reinsert the disc properly.

If the condition did not improve, turn off the unit and consult your nearest service center. CD-R/CD-RW cannot be played Insert a finalized CD-R/CD-RW (finalize with the component which you used for back and tracks cannot be skipped. recording). Disc sound is sometimes Stop playback while driving on rough roads. / Change the disc.

/ Check the cords and interrupted. connections. "NA FILE" appears. The unit is playing an unsupported audio file. "NO DISC" appears.

Insert a playable disc into the loading slot. "TOC ERROR" appears. The CD is quite dirty. / The CD is upside-down. / The CD is scratched a lot. Try another disc instead. "ERROR 99" appears. The unit is malfunctioning for some reason. Press the reset button on the unit. If the "ERROR 99" code does not disappear, consult your nearest service center.

"COPY PRO" appears. A copy-protected file is played. Noise is generated. Skip to another track or change the disc. Tracks cannot play back as you Playback order is determined when files are recorded. have intended them to play.



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"READING" keeps flashing. Longer readout time is required. Do not use too many hierarchies and folders. Elapsed playing time is not correct. This is caused by how the tracks are recorded. Correct characters are not displayed This unit can only display letters (upper case), numbers, and a limited number of symbols. (e.g. album name).

Cyrillic alphabets (upper case) can also be displayed if [RUSSIAN SET] is set to [ON]. (page 4) 11 ENGLISH Installation/connection Part list: A

Faceplate....

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... B Escutcheon..

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C Mounting sleeve

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D Casing for faceplate

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..... E Wiring harness..

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..... F Removal tool ..

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(x1) (x1) (x1) (x1) (x1) (x2) Caution If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die. Do not use your own screws. Use only the screws provided. Install this unit in the console of your vehicle. Make sure the faceplate will not hit the lid of the console (if any) when closing and opening. After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly. Mount the unit so that the mounting angle is 30° or less. If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.

@@@@@@@Metal part such as the heat sink and enclosure become hot. Mounting and wiring this product requires skills and experience. For safety's sake, leave this work to professionals. If you experience problems during installation, consult your Kenwood dealer. Basic procedure 1 Remove the key from the ignition switch, then disconnect the - terminal of the car battery. 2 Make proper input and output wire connections. \ "Wiring connection" (page 13, 14) 3 Install the unit to your car. \ "Installing the unit" (page 14) 4 Reconnect the - terminal of the car battery. 5 Reset the unit. (page 4) Warning The unit can only be installed in a car with a 12 V DC power supply, negative ground.

If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box. Disconnect the battery's negative terminal and make all electrical connections before installing the unit. Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.

Be sure to ground this unit to the car's chassis again after installation. 12 Wiring connection For KDC-3051R/ KDC-3051G/ KDC-315A/ KDC-315R/ KDC-3251RY KDC-3051R/ KDC-3051G/ KDC-315A/ KDC-315R Rear/subwoofer output terminals KDC-3251RY Front output terminals Rear/subwoofer output terminals Fuse (10 A) Antenna terminal (JASO) Light blue/yellow (Steering remote control wire) KDC-3051R/ KDC-3051G/ KDC-315A/ KDC-315R: To the steering wheel remote control adapter (optional accessory) Blue/White (Power control/motor antenna control wire) Brown (Mute control wire) To the power control terminal when using the optional power amplifier, or to the antenna control terminal in the vehicle. To the terminal that is grounded when either the telephone rings or during conversation. (To connect the Kenwood navigation system, consult your navigation manual.) Yellow (Battery wire) Red (Ignition wire) Connecting the ISO connectors on some VW/Audi or Opel (Vauxhall) automobiles You may need to modify the wiring of the supplied wiring harness as illustrated below.

Ignition wire (Red) Unit Battery wire (Yellow) Default wiring Pin B1 / B2 B3 / B4 B5 / B6 B7 / B8 Color and function Rear speaker (right) Purple ^a / Purple/black · Gray ^a / Gray/black · Front speaker (right) White ^a / White/black · Front speaker (left) Green ^a / Green/black · Rear speaker (left) Red (A7) Yellow (A4) A7 (Red) Vehicle A4 (Yellow) ISO connectors Pin A4 A5 A7 A8 Color and function Battery Power control Ignition (ACC) Earth (ground) connection Yellow Blue/White Red Black 13 ENGLISH For KDC-3051RY/ KDC-3051GY Fuse (10 A) Antenna terminal (JASO) White (+) / White/black () : To front speaker (left) Gray (+) / Gray/black () : To front speaker (right) Green (+) / Green/black () : To rear speaker (left) Purple (+) / Purple/black () : To rear speaker (right) Blue (Motor antenna control wire) Blue/White (Power control wire) Brown (Mute control wire) To the antenna control terminal in the vehicle. To the power control terminal when using the optional power amplifier. To the terminal that is grounded when either the telephone rings or during conversation. (To connect the Kenwood navigation system, consult your navigation manual.) Car fuse box Red (Ignition wire) Yellow (Battery wire) Car fuse box Black (Ground wire) To the metallic body or chassis of the car Battery Ignition key switch Installing the unit 1 Connect the wiring harness to the unit. Other wiring connection has been completed earlier. (page 13, 14) 2 Before attaching, make sure the direction of the escutcheon is correct. (Wider hooks on the top side.) Dashboard of your car Bend the appropriate tabs to hold the mounting sleeve firmly in place. 14 Removing the unit 1 Detach the faceplate.

2 Engage the catch pin on the removal tools into the holes on both sides of the escutcheon, then pull it out. 3 Insert the removal tools deeply into the slots on each side, then follow the arrows instructions as shown on the right. Specifications FM tuner section Frequency range (50 kHz space): 87.5 MHz -- 108.0 MHz Usable sensitivity (S/N = 26 dB): 1.0 V/75 Quieting sensitivity (DIN S/N = 46 dB): 2.5 V/75 Frequency response (± 3 dB): 30 Hz -- 15 kHz Signal-to-Noise ratio (MONO): 63 dB Stereo separation (1 kHz): 40 dB Subject to change without notice. Audio section Maximum output power: 50 W \times 4 Output power (DIN 45324, +B = 14.4 V): 30 W \times 4 Speaker impedance: 4 -- 8 Tone action: Bass: 100 Hz ± 8 dB Middle: 1 kHz ± 8 dB Treble: 10 kHz ± 8 dB For KDC-3051R/ KDC-3051G/ KDC-315A/ KDC-315R/ KDC-3251RY: Preout level / load (CD): 2 000 mV/10 k Preout impedance: 600 MW tuner section Frequency range (9 kHz space): 531 kHz -- 1 611 kHz Usable sensitivity (S/N = 20 dB): 36 V Auxiliary input section Frequency response (± 3 dB): 20 Hz -- 20 kHz Input maximum voltage: 1 200 mV Input impedance: 10 k LW tuner section Frequency range: 153 kHz -- 279 kHz Usable sensitivity (S/N = 20 dB): 57 V CD player section Laser diode: GaAIAs Digital filter (D/A): 8 Times Over Sampling D/A converter: 24 Bit Spindle speed: 500 rpm -- 200 rpm (CLV) Wow & Flutter: Below Measurable Limit Frequency response (± 1 dB): 20 Hz -- 20 kHz Total harmonic distortion (1 kHz): 0.



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01 % Signal-to-Noise ratio (1 kHz): 105 dB Dynamic range: 90 dB MP3 decode: Compliant with MPEG-1/2 Audio Layer-3 WMA decode: Compliant with Windows Media Audio General Operating voltage (11 V -- 16 V allowable): 14.
4 V Maximum current consumption: 10 A Installation size (W × H × D): 182 mm × 53 mm × 158 mm Weight: 1.3 kg About Audio file Playable Audio file: MP3 (.mp3), WMA (.wma) Playable disc media: CD-R/RW/ROM Playable disc file format: ISO 9660 Level 1/2, Joliet, Romeo, Long file name. Although the audio files are complied with the standards listed above, the play maybe impossible depending on the types or conditions of media or device.
15 ENGLISH .



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