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You can read the recommendations in the user guide, the technical guide or the installation guide for KENWOOD KDC-3047. You'll find the answers to all your questions on the KENWOOD KDC-3047 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

CD-RECEIVER

**KDC-3047**  
**KDC-3047GY**  
**KDC-3047M**  
**KDC-3247**  
**KDC-3347**  
**KDC-314**

**INSTRUCTION MANUAL**

Kenwood Corporation



© 864-4591-00/00 (EW/E2W/E0/E20/M20/M20)



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### Manual abstract:

· @@@@ When using this unit for the first time, cancel the Demonstration mode. Refer to <Exit of the Demonstration Mode> (page 4). · If you experience problems during installation, consult your Kenwood dealer. · When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area. · The characters which can be displayed by this unit are A-Z 0-9 @ " ` % & \* + = , . / \ < > [ ] ( ) ; ^ - { } | ~ . · The RDS feature won't work where the service is not supported by any broadcasting station. · The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable. How to reset your unit · If the unit fails to operate properly, press the Reset button.

The unit returns to factory settings when the Reset button is pressed. 1. Release the faceplate lock so that it can be removed. Refer to <Removing the Faceplate> (page 6) 2. Press the Reset button and reattaching the faceplate.

Handling CDs · Do not touch the recording surface of the CD. · Do not stick tape etc. on the CD, or use a CD with tape stuck on it. · Do not use disc type accessories. · Clean from the center of the disc and move outward.

· When removing CDs from this unit, pull them out horizontally. · If the CD center hole or outside rim has burrs, use the CD only after removing the burrs with a ballpoint pen etc. Reset button Cleaning the Unit If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth. If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth. ❏ · Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters. CDs that cannot be used · CDs that are not round cannot be used. · CDs with coloring on the recording surface or CDs that are dirty cannot be used. · This unit can only play the CDs with . This unit may not correctly play discs which do not have the mark.

· You cannot play a CD-R or CD-RW that has not been finalized. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.) · 3 inch CD cannot be used. Attempt to insert using an adapter can cause malfunction. English \ About the Terminals of the Unit and Faceplate · To prevent deterioration, do not touch the terminals of the unit and faceplate with your fingers. · If the terminals on the unit or faceplate get dirty, wipe them with a clean soft dry cloth. Lens Fogging When you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, this 3 Basic Operations [ ] Release [SRC] [DISP] Disc slot [ ] [ ] [BAND] [VOL] [ ] [ ] [1][2]

[3][4] [5][6] Auxiliary input Before Using Exit of the Demonstration Mode Turn off the demonstration mode when you use it for the first time after installation. Common Operation Power and source select Turns the power ON by pressing the [SRC] button. When power is ON, pressing the [SRC] button switches among playable sources in the following order: Tuner ("TUNER") CD ("CD") Auxiliary Input ("AUX") Standby ("STANDBY") Tuner ("TUNER") Keeping pressing the [SRC] button for at least 1 second turns the power OFF.

1 Press the [VOL] knob to quit the demonstration mode when the messages "CANCEL DEMO", "PRESS", "VOLUME KNOB" are displayed (approx. 15 seconds). 2 Select "YES" and press the [VOL] knob. / When "NO" is selected, turn the [VOL] knob. · Demonstration mode can also be cancelled in "DEMO MODE" of <Function Setting> (page 8).

/ · The source "CD" can be selected when each source is ready to play. Adjusting the Clock 1 Press the [DISP] button several times until clock display ("CLOCK") appears. 2 Keep pressing the [DISP] button until the hour display blinks. Volume Turning the [VOL] knob adjusts the sound volume. Clock display and Display scroll Pressing the [DISP] button selects the display mode.

Refer to <Text Display Selection> (page 7). Keeping pressing the [DISP] button scrolls the display. Auxiliary input Portable audio device can be connected with the stereo mini-plug (3.5 mm φ). 3 Turn the [VOL] knob to adjust the hour. 4 Press the [VOL] knob to finish the hour adjusting. The minute display blinks. 5 Turn the [VOL] knob to adjust the minute. 6 Press the [VOL] knob to finish the minute / adjusting. · You can do this adjustment when "TIME SYNC" in <Function Setting> (page 8) is set to "OFF".

4) KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3247/ KDC-3347/ KDC-314 Playing Music Playing Disc Insert a disc into the disc slot. When inserted, the source is switched automatically and a song starts playing. Folder select Pressing the [BAND] button switches a folder. Song select Pressing the [4] or [ç] button selects a song (track or file). Fast reverses or forwards the music while pressing the [4] or [ç] button. (No sound is output while playing audio file.) Pause and play Pressing the [6] button pauses or resumes playing a song (track or file). Removing Disc Pressing the [0] button ejects a disc. Listening Radio Select Tuner source Pressing the [SRC] button several times switches the source to "TUNER". Band select Pressing the [BAND] button switches the receiving band (FM1, FM2, FM3, AM).

Station select Pressing the [4] or [ç] button selects the station. Station memory Pressing the [1] [6] button recalls the memorized station. Keeping pressing the [1] [6] button for at least 2 seconds memorizes the station currently selected. Traffic information Press the [ ] button for at least 1 second. Turns ON or OFF the Traffic Information function.

When the function is turned ON, "TI" indicator is ON. If traffic bulletin starts when the function is ON, "TRAFFIC" is displayed and traffic information is received. / · For the playable audio files, see <About Audio file> (page 15). / · Details of the station selecting in operation are set in the "SEEK MODE" of <Function Setting> (page 8). · Receivable stations can be automatically memorized.

See "AUTO MEMORY" of <Function Setting> (page 8).



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· Up to 6 each stations can be memorized to the [1] [6] button in each band (FM1, FM2, FM3, AM). · Up to 6 stations with a different band (FM/AM) can be memorized to the [1] [6] button according to the setting of "PRESET TYPE" of <Function Setting> (page 8). · If the volume is adjusted during reception of traffic information, the adjusted volume is memorized automatically. The memorized volume will be applied next time the Traffic Information function is turned ON. English \ 5 General Removing the Faceplate The faceplate of the unit can be detached and taken with you, helping to deter theft. Muting Volume upon Reception of Phone Call The audio system automatically mutes when a call comes in. Detach the faceplate Press the Release button. Reattaching the Faceplate Refer to the following diagram when reattaching the faceplate.

When a call comes in "CALL" is displayed. The audio system pauses. Listening to the audio during a call Press the [SRC] button. The "CALL" display disappears and the audio system comes back ON. When the call ends Hang up the phone. The "CALL" display disappears and the audio system comes back ON. · After pressing the Release button, detach the faceplate immediately. If the faceplate is left attached, it can fall due to vibration and so on. · The faceplate is a precision piece of equipment and can be damaged by shocks or jolts. · Keep the faceplate in its faceplate case while detached.

· Do not place the faceplate (and the faceplate case) in areas exposed to direct sunlight, excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing. / · To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <Connecting Wires to Terminals> (page 17).

6) KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3247/ KDC-3347/ KDC-314 Display Indicator Text Display Selection Changes displayed information on each source following: 1 "ST" indicator: Lights when a stereo broadcast is received. 2 "RDS" indicator: Lights when the RDS service is available. 3 "TI" indicator: Lights when the Traffic Information function is on. 4 "IN" indicator: Lights when a disc is in the unit. 5 " " indicator: Shows the image indicating the operating state of each source or the setting of Audio Control. In Tuner source Information Program Service name (FM) Radio text (FM) Frequency (MW, LW) Clock In CD source Information Disc title Track title Play time & Track number Clock In Audio file source Information Music title & Artist name Album name & Artist name Folder name File name Play time & Music number Clock Display "FREQ/PS" "RADIO TEXT" "FREQUENCY" "CLOCK" Display "DISC TITLE" "TRACK TITLE" "P-TIME" "CLOCK" Display "TITLE" "ALBUM" "FOLDER NAME" "FILE NAME" "P-TIME" "CLOCK" In Standby/ Auxiliary input source Information Display Source name "SOURCE NAME" Clock "CLOCK" Select the text Press the [DISP] button.

/ · When you select the clock display, the display setting of each source will be changed to the clock display. · If the selected display item does not have any information, alternative information is displayed. English \ 7 Function Setting Perform configuration for this unit. You can set up the following functions. "OFF". 1 Select a sourthat can be received better. Ì Name Set: "AUX NAME" "AUX"\*, "DVD", "PORTABLE", "GAME", "VIDEO", "TV" Sets the display when switched to AUX source. <INITIAL SET> Ì Mixed Preset Memory Switching: "PRESET TYPE" "TYPE NORM"\*, "TYPE MIX" "TYPE NORM": 1 station can be assigned to 1 preset button in each of 4 bands (FM1, FM2, FM3, and AM), i.e., a total of 24 stations (6 stations x 4 bands) can be preset.

"TYPE MIX": A total of 6 stations can be assigned to a total of 6 preset buttons regardless of band (FM1, FM2, FM3, and AM). You can recall a preset station without switching between bands. Ó Beep: "KEY BEEP" "ON"\*, "OFF" Setting the operation check sound (beep sound) ON/OFF. Ô Russian language setting: "RUSSIAN SET" "ON", "OFF"\* When this is set to ON, the following character strings are displayed in Russian: Folder name/ File name/ Song title/ Artist name/ Album name Power OFF Timer: "P-OFF WAIT" "----", "20M"\*, "40M", "60M" Setting the timer to turn this unit's power OFF automatically when Standby mode continues. Using this setting can save the vehicle's battery power. : Power OFF Timer function is OFF. 20M: Turns the power OFF after 20 minutes. 40M: Turns the power OFF after 40 minutes. 60M: Turns the power OFF after 60 minutes. Ò Built in AUX: "BUILTIN AUX" "ON1"\*, "ON2", "OFF" When this is set to ON, AUX source can be selected.

ON1: Outputs the sound of external unit connected to the AUX terminal when switched to AUX source. ON2: Activates the attenuator function when turning on the power with AUX source selected. Turn off the attenuator function when listening to output from external unit. This prevents the noise when no external unit is connected to AUX terminal. OFF: Disables the selection of AUX source.

Set to OFF when not using the AUX terminal. Ú CD READ: "CD READ" "1"\*, "2" Sets the method for reading CD. When unable to play special format CD, set this function to "2" to force playing. Note that some music CD may be unplayable even when set to "2". In addition, audio files cannot be played when set to "2".

Normally, keep this set to "1". 1 : Automatically distinguishes between audio file disc and music CD when playing disc. 2 : Forces playing as music CD. " Switching Preout\*1: "SWITCH PRE" "REAR"\*, "SUB-W" Switches the preout between rear output ("REAR") and subwoofer output ("SUB-W"). Æ Speaker Select: "SP SELECT" "OFF"\*, "5/4", "6\*9/6", "OEM" Fine-tuning so that the System Q value is optimal when setting the speaker type as follows; Speaker type OFF For 5 & 4 in. speaker For 6 & 6x9 in. speaker For the OEM speaker Display "SP OFF" "SP 5/4" "SP 6\*9/6" "SP OEM" ã Firmware Upgrade: "F/W UP xx.xx" Upgrades the firmware. Selecting "YES" and then pressing [VOL] knob starts upgrading the firmware.



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· If your vehicle's ignition does not have an ACC position, or if the ignition wire is connected to a power source with constant voltage such as a battery wire, the power will not be linked with the ignition (i.e., it will not turn on and off along with the ignition). If you want to link the unit's power 16 \ KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3247/ KDC-3347/ KDC-314 Connecting Wires to Terminals AUX input (Stereo) Use the mini-plug cable which is stereo type and does not have any resistance.

Front side R L Front output (KDC-3247 only) FM/AM antenna input (JASO) Fuse (10A) Wiring harness (Accessory1) Steering remote control (Light Blue/Yellow) Rear output/ Sub Woofer output (KDC-3047/KDC-3047M/KDC-3347/KDC-314 only) REMOTE CONT STEERING WHEEL REMOTE INPUT  
To use the steering wheel remote control feature, you need an exclusive remote adapter (not supplied) matches your car is required.  
(KDC-3047/KDC-3047M/KDC-314 only) Connect to the terminal that is grounded when either the telephone rings or during conversation. To connect the Kenwood navigation system, consult your navigation manual. Mute control wire (Brown) MUTE / If no connections are made, do not let the wire come out from the tab. Power control/ Motor antenna control wire (Blue/White) P.CONT ANT.CONT Connect either to the power control terminal when using the optional power amplifier, or to the antenna control terminal in the vehicle. Battery wire (Yellow) Ignition wire (Red) / See next page. A7 Pin (Red) A4 Pin (Yellow) 8 7 8 7 6 5 6 5 4 3 4 3 2 1 2 1 Connector A Connector B English \ 17 Connecting Wires to Terminals Connector Function Guide Pin Numbers for ISO Connectors External Power Connector A-4 A-5 A-7 A-8 Speaker Connector B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 Cable Colour Functions Yellow Blue/White Red Black Battery Power Control Ignition (ACC) Earth (Ground) Connection Purple Purple/Black Gray Gray/Black White White/Black Green Green/Black Rear Right (+) Rear Right (-) Front Right (+) Front Right (-) Front Left (+) Front Left (-) Rear Left (+) Rear Left (-) 2WARNING Connecting the ISO Connector  
The pin arrangement for the ISO connectors depends on the type of vehicle you drive. Make sure to make the proper connections to prevent damage to the unit.

The default connection for the wiring harness is described in 1 below. If the ISO connector pins are set as described in 2, make the connection as illustrated. Please be sure to reconnect the cable as shown 2 below to install this unit to the Volkswagen vehicles etc. 1 (Default setting) The A-7 pin (red) of the vehicle's ISO connector is linked with the ignition, and the A-4 pin (yellow) is connected to the constant power supply. Ignition cable (Red) Unit Battery cable (Yellow) A-7 Pin (Red) Vehicle A-4 Pin (Yellow) 2 The A-7 pin (red) of the vehicle's ISO connector is connected to the constant power supply, and the A-4 pin (yellow) is linked to the ignition. Ignition cable (Red) Unit Battery cable (Yellow) A-7 Pin (Red) Vehicle A-4 Pin (Yellow) 18 \ KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3247/ KDC-3347/ KDC-314 Installation/Removing the Unit Installation Removing the Hard Rubber Frame 1 Engage the catch pins on the removal tool and remove the two locks on the upper level. @@@@Metal part such as the heat sink and enclosure become hot. Removing the Unit 1 Refer to the section <Removing the Hard Rubber Frame> and then remove the hard rubber frame. 2 Detach the faceplate. 3 Insert the two removal tools deeply into the slots on each side, as shown.

4 Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside. Accessory2 2 2 · Be careful to avoid injury from the catch pins on the removal tool. 5 Pull the unit all the way out with your hands, being careful not to drop it. English \ 19 Troubleshooting Guide Some functions of this unit may be disabled by some settings made on this unit. What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring.

Before calling service, first check the following table for possible problems. ! · Cannot set up the subwoofer. · Cannot set up the low pass filter. · No output from the subwoofer. · <Subwoofer output> of <Function Setting> (page 8) is not set to On.

· Preout is not set to subwoofer. "SWITCH PRE" of <Function Setting> (page 8) Cannot set up the subwoofer Phase. Subwoofer Low Pass Filter is set to "THROUGH". "LPF SUB-W" of <Function Setting> (page 8) Power OFF Timer does not function. <Exit of the Demonstration Mode> (page 4) is not turned off. Volume cannot be adjusted. · The unit is set to Music Search mode. Cancel the Music Search mode. (page 12) · The unit is set to Function Setting mode. Cancel the Function Setting mode.

(page 8) General ? ! ! ! The Touch Sensor Tone (beep sound) does not sound. The preout jack is being used. The Touch Sensor Tone cannot be output from the preout jack. Tuner source ? Radio reception is poor. The car antenna is not extended. Pull the antenna out all the way. Disc source ? The specified disc does not play, but another one plays instead. The specified CD is quite dirty. Clean the CD, referring to the CD cleaning of the section on <Handling CDs> (page 3). The disc is severely scratched.

Try another disc instead. Audio file source ? The sound skips when an Audio file is being played. The media is scratched or dirty. Clean the media, referring to the CD cleaning of the section on <Handling CDs> (page 3). The recording condition is bad.

Record the media again or use another media. 20 \ KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3247/ KDC-3347/ KDC-314 The messages shown below display your systems condition. TOC ERROR: ERROR 05: ERROR 99: The CD is quite dirty. The CD is upside-down. The CD is scratched a lot. The disc is unreadable. 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. The CD player section is not operating properly. Reinsert the CD. If the CD cannot be ejected or the display continues to flash even when the CD has been properly reinserted, please switch off the power and consult your nearest service center. The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated. Wire or insulate the speaker cable properly and press the reset button. If the "PROTECT" code does not disappear, consult your nearest service center.

An Audio file is played with a format that this unit can't support. A copy-protected file is played. IN (Blink): PROTECT: NA FILE: COPY PRO: NO MUSIC/ERROR 15: Media was played that does not have data recorded that the unit can play.



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English \ 21 Specifications FM tuner section Frequency range (50 kHz space) : 87.5 MHz 108.0 MHz Usable sensitivity (S/N = 26dB) : 1 V/75 Quieting Sensitivity (S/N = 46dB) : 2.5 V/75 Frequency response ( $\pm 3.0$  dB) : 30 Hz 15 kHz Signal to Noise ratio (MONO) : 63 dB Stereo separation (1 kHz) : 40 dB Audio section Maximum output power : 50 W x 4 Output power (DIN 45324, +B=14.4V) : 22 W x 4 Speaker Impedance : 48 Tone action Bass : 100 Hz  $\pm 8$  dB Middle : 1 kHz  $\pm 8$  dB Treble : 10 kHz  $\pm 8$  dB Preout level / Load (CD) (KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3347/ KDC-314) : 2000 mV/10 k Preout impedance (KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3347/ KDC-314) : 600 MW tuner section Frequency range (9 kHz space) : 531 kHz 1611 kHz Usable sensitivity (S/N = 20dB) : 36 V Auxiliary input Frequency response ( $\pm 3$  dB) : 20 Hz 20 kHz Input Maximum Voltage : 1200 mV Input Impedance : 10 k LW tuner section Frequency range : 153 kHz 279 kHz Usable sensitivity (S/N = 20dB) : 57 V CD player section Laser diode : GaAlAs Digital filter (D/A) : 8 Times Over Sampling D/A Converter : 24 Bit Spindle speed : 500 200 rpm (CLV) Wow & Flutter : Below Measurable Limit Frequency response ( $\pm 1$  dB) : 20 Hz 20 kHz Total harmonic distortion (1 kHz) : 0.01 % Signal to Noise ratio (1 kHz) : 105 dB Dynamic range : 93 dB MP3 decode : Compliant with MPEG-1/2 Audio Layer-3 WMA decode : Compliant with Windows Media Audio General Operating voltage (11 16V allowable) : 14. 4 V Maximum Current consumption : 10 A Installation Size (W x H x D) : 182 x 53 x 155 mm Weight : 1.3 kg Specifications subject to change without notice. 22 \ KDC-3047/ KDC-3047GY/ KDC-3047M/ KDC-3247/ KDC-3347/ KDC-314 This symbol mark indicates that Kenwood manufactured this product so as to decrease harmful influence on the environment. .



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