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You can read the recommendations in the user guide, the technical guide or the installation guide for KENWOOD KDC-W3534. You'll find the answers to all your questions on the KENWOOD KDC-W3534 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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**User guide KENWOOD KDC-W3534**  
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## KENWOOD

CD-RECEIVER

### KDC-W3534

INSTRUCTION MANUAL

Kenwood Corporation



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**Manual abstract:**

If the unit still does not operate normally after a while, consult your Kenwood dealer. **CAUTION** To prevent damage to the machine, take the following precautions: • Make sure to ground the unit to a negative 12V DC power supply. • Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing. • 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 prevent deterioration, do not touch the terminals of the unit or faceplate with your fingers. • Do not subject the faceplate to excessive shock, as it is a piece of precision equipment. • When replacing a fuse, only use a new fuse with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction. • Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit. English \ 3 B64-3453-00\_English.indd 3 06.

3.23 9:03:21 AM Notes • 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. • If the unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.

**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.

**Cleaning the Faceplate Terminals** Reset button • 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. If the terminals on the unit or faceplate get dirty, wipe them with a clean soft dry cloth.

4 \ English B64-3453-00\_English.indd 4 06.3.23 9:03:21 AM 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 (applicable for EU countries that have adopted separate waste collection systems) Products with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment 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. The marking of products using lasers (Except for some areas) 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. English \ 5 B64-3453-00\_English.indd 5 06.3.23 9:03:21 AM About MP3 and WMA The playable MP3/WMA file (hereafter called Audio file) and the media format has the following limitation.

The Audio file, which is not conforming to the specification, may not play normally, or the file and folder names may not display correctly. The maximum number of characters for display File/Folder name: 64 (Joliet: 32)/ 200 characters MP3 ID3 Tag/ WMA Contents property: 30 characters • File/Folder name is the number of the characters including the extensions. • MP3 ID3 Tag can only display the tag of Ver1.0/ 1.1.

**Playable Audio file** • MP3, WMA • Attach the correct extension for the Audio file (MP3: ".MP3", WMA: ".WMA") • Do not attach the extensions to files other than the Audio file. If the extension is attached, the file, which is not the Audio file, will play and outputs a loud noise, causing damage to the speaker. • The files with copy protection cannot be played. • The settings of your encoding software and the environment in which it is used may now allow you to play or view specific audio files. • The unit may not be compatible with upgrade of compression format standard and additional specifications. **Limitation of structure for the file and the folder** • Maximum number of directory levels: 8 • Maximum number of folders: 100 • Maximum number of files per folder: 255 **Playing order of the Audio file** The Audio file plays in the order which is written by writing software. You may be able to set the playing order by writing the play sequence numbers such as "01" to "99" at the beginning of the file name. Example 0: Folder CD (1) ;: Audio file Playable MP3 file • MPEG 1/2 Audio Layer 3 file • Transfer bit rate: 8-320 kbps • Sampling frequency : 8, 11.

025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz ;! 2 Playable WMA file • The file in accordance with Windows Media Audio (Except for the file for Windows Media Player 9 or after which applies the new functions) • Transfer bit rate: 48-192 kbps • Sampling frequency: 32, 44.1, 48 kHz ;" 3 ;# ;\$ ;% Playable media •

CD-ROM, CD-R, CD-RW • CD-RW discs which are quick formatted by the writing software cannot be used. • When recording to the maximum media capacity at once, the writing software is set to "Disc at once". **Playable disc format** • • • ISO 9660 Level 1/2 Joliet Romeo Long file name • **Playing order** Playing order after ;! play. □ ;", ;#, ;\$, ;%... • **File search** Forward file search during ;" play.

Push the Control knob towards [€] □ ;\$ • **Folder search** Forward folder search during ;" play. Push the Control knob towards [FM] □ 3, 4... • **Folder select** When the selection is set to directory 4, and you want to skip to the folder 2 at the same level.

Push the Control knob towards [4] □ 2 When the selection is set to directory 3, moves the level up by folder select. Push the Control knob towards [AM] □ 2 6 \ English B64-3453-00\_English.



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indd 6 06.3.23 9:03:22 AM About CDs Handling CDs • Do not touch the recording surface of the CD.

Removing CDs When removing CDs from this unit, pull them out horizontally. CDs that cannot be used • CDs that are not round cannot be used. • CD-R and CD-RW are easier to damage than a normal music CD. Use a CD-R or a CD-RW after reading the caution items on the package etc. • Do not stick tape etc. on the CD, or use a CD with tape stuck on it. When using a new CD If the CD center hole or outside rim has burrs, use the CD only after removing the burrs with a ballpoint pen, etc. • 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 CDR/CD-RW recorder instruction manual.) Burrs Burrs CD storage • Do not place CDs in direct sunlight (On the seat or dashboard etc.) or where the temperature is high. • Store CDs in their cases. CD accessories Do not use disc type accessories. CD cleaning Clean from the center of the disc and move outward. English \ 7 B64-3453-00\_English.indd 7 06.3.

23 9:03:24 AM General features Release button VOL Control knob ATT/DIM Q SRC LOUD indicator ATT indicator Clock display Power Turning ON the Power Press the [SRC] button. Turning OFF the Power Press the [SRC] button for at least 1 second. Volume Increasing Volume Turn the [VOL] knob clockwise. Decreasing Volume Turn the [VOL] knob counterclockwise. Selecting the Source Press the [SRC] button.

Source required Tuner CD Standby (Illumination only mode) Display "TUNER" "CD" "STANDBY" Attenuator Turning the volume down quickly. Press the [ATT] button. Each time you press the button, the Attenuator turns ON and OFF. When the Attenuator is ON, the "ATT" indicator blinks. • This unit automatically turns full power OFF after 20 minutes lapses in Standby mode in order to save the vehicle's battery.

The time until full power OFF can be set in <Power OFF Timer> (page 23). 8 \ English B64-3453-00\_English.indd 8 06.3.23 9:03:24 AM System Q Selecting the best sound setting preset for different types of music. Audio Control 1 Select the source to adjust Press the [SRC] button. 1 Select the source to set Press the [SRC] button. 2 Enter Audio Control mode Press the [VOL] knob. 2 Select the Sound type Press the [Q] button. When you press the button once, the current sound setting is displayed.

Each time you press the button, the sound setting alternates. Sound setting Natural Rock Pops Easy Top 40 Jazz Display "NATURAL" "ROCK" "POPS" "EASY" "TOP40" "JAZZ" 3 Select the Audio item to adjust Press the [VOL] knob. Each time you press the knob, the item to be adjusted alternates between the items shown in the table below. 4 Adjust the Audio item Turn the [VOL] knob. Adjustment Item Display Range Bass level "BAS L" -8 — +8 Middle level "MID L" -8 — +8 Treble level "TRE L" -8 — +8 Balance "BAL" Left 15 — Right 15 Fader "FAD" Rear 15 — Front 15 Exit Audio Control mode (Volume control mode) • Change each setting value with the <Speaker Setting> (page 10). First, select the speaker type with the Speaker setting. • When the value is set up by <Audio Control> (page 9), "USER" is displayed. 5 Exit Audio Control mode Press any button. Press a button other than the [VOL] knobng the station. Station Preset Memory Putting a station in the memory.

1 Select tuner source Press the [SRC] button. Select the "TUNER" display. 1 Select the band Push the Control knob towards [FM] or [AM]. 2 Select the frequency to put in the memory Push the Control knob towards [4] or [ε]. 2 Select the band Push the Control knob towards [FM] or [AM].

Each time you push the knob toward [FM], it switches between the FM1, FM2, and FM3 bands. 3 Put the frequency in the memory Press the desired [1] — [6] button for at least 2 seconds. The preset number display blinks 1 time. On each band, 1 station can be put in the memory on each [1] — [6] button. 3 Tune up or down band Push the Control knob towards [4] or [ε].

• During reception of stereo stations the "ST" indicator is ON. 12 \ English B64-3453-00\_English.indd 12 06.3.23 9:03:28 AM Auto Memory Entry Putting stations with good reception in the memory automatically. 1 Select the band for Auto Memory Entry Push the Control knob towards [FM] or [AM]. 2 Open Auto Memory Entry Press the [AME] button for at least 2 seconds. "A-MEMORY" is displayed. When 6 stations that can be received are put in the memory, Auto Memory Entry closes. • When the <AF (Alternative Frequency)> (page 22) is ON, only RDS stations are put in the memory.

• When Auto Memory Entry is done in the FM2 band, the RDS stations preset in the FM1 band are not put in the memory. Likewise, when Auto Memory Entry is done in the FM3 band, RDS stations preset in FM1 or FM2 are not put in the memory. Preset Tuning Recalling the stations in the memory. 1 Select the band Push the Control knob towards [FM] or [AM]. 2 Recall the station Press the desired [1] — [6] button. English \ 13 B64-3453-00\_English.indd 13 06.3.23 9:03:29 AM RDS features 1-6 SRC Control knob PTY indicator TI indicator Traffic Information Changing to traffic information automatically when a traffic bulletin starts even when you are not listening to the radio. Press the [TI] button.

Each time you press the button, the Traffic information function turns ON and OFF. When traffic information is ON, "TI" indicator is ON. When a traffic information station is not being received the "TI" indicator blinks. When a traffic bulletin starts, "TRAFFIC" is displayed and the audio changes to traffic information. • During reception of an AM station when the Traffic Information function is turned ON, the frequency changes to an FM station.

• During reception of traffic information the adjusted volume is automatically remembered, and the next time the audio changes to traffic information, the volume automatically becomes the remembered volume. Receiving other traffic information stations Push the Control knob towards [4] or [ε]. • Traffic information can be switched when it is on the Tuner Source. However, you cannot switch the Traffic information during reception of the Traffic bulletin switched from the source other than the Tuner. 14 \ English B64-3453-00\_English.

indd 14 06.3.23 9:03:29 AM PTY (Program Type) Selecting the Program Type and searching for a station. • Speech and Music include the Program type shown below. Music: No.12 — 17, 26 — 30 Speech: No.



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3 — 11, 18 — 25, 31 • You can put the Program Type in the [1] — [6] button memory and for quick recall. Refer to the <Program Type preset> (page 15). • You can change the display language. Refer to <Changing Language for PTY Function> (page 16).

1 Enter PTY mode Press the Control knob. During PTY mode the "PTY" indicator is ON. • This function cannot be used during a traffic bulletin or AM reception. 2 Select the Program Type Push the Control knob towards [FM] or [AM]. Each time you push the knob, the Program Type alternates between program types shown in the table below. No. 1. 2. 3. 4.

5. 6. 7. 8. 9.

10. 11. 12. 13. 14.

15. 16. 17. 18. 19. 20. 21. 22. 23. 24.

25. 26. 27. 28. 29. 30. 31. Program Type Speech Music News Current Affairs Information Sport Education Drama Culture Science Varied Pop Music Rock Music Easy Listening Music Light Classical Serious Classical Other Music Weather Finance Children's programs Social Affairs Religion Phone In Travel Leisure Jazz Music Country Music National Music Oldies Music Folk Music Documentary Display "SPEECH" "MUSIC" "NEWS" "AFFAIRS" "INFO" "SPORT" "EDUCATE" "DRAMA" "CULTURE" "SCIENCE" "VARIED" "POP M" "ROCK M" "EASY M" "LIGHT M" "CLASSICS" "OTHER M" "WEATHER" "FINANCE" "CHILDREN" "SOCIAL" "RELIGION" "PHONE IN" "TRAVEL" "LEISURE" "JAZZ" "COUNTRY" "NATION M" "OLDIES" "FOLK M" "DOCUMENT" 3 Search for the selected Program Type station Push the Control knob towards [4] or [¢]. When you want to search for other stations, push [4] or [¢] of the Control knob again. • When the selected Program Type is not found, "NO PTY" is displayed.

Select another Program Type. 4 Exit PTY mode Press the Control knob. Program Type preset Putting the Program Type in the Preset button memory and quick recall. Presetting the Program Type 1 Select the Program Type to preset Refer to <PTY (Program Type)> (page 15). 2 Preset the Program Type Press the desired [1] — [6] button for at least 2 seconds.

Recalling the preset Program Type 1 Enter PTY mode Refer to <PTY (Program Type)> (page 15). 2 Recall the Program Type Press the desired [1] — [6] button. English \ 15 B64-3453-00\_English.indd 15 06.3.

23 9:03:31 AM RDS features Changing Language for PTY Function Selecting the Program Type display language. 1 Enter PTY mode Refer to <PTY (Program Type)> (page 15). 2 Enter Changing Language mode Press the [TI] button. 3 Select the language Push the Control knob towards [FM] or [AM].

Each time you push the knob, the language alternates between the languages shown in the table below. Language English French German Display "ENGLISH" "FRENCH" "GERMAN" 4 Exit Changing Language mode Press the [TI] button. 16 \ English B64-3453-00\_English.indd 16 06.3.23 9:03:31 AM CD player features 0 SCAN RDM/ 3 REP F.

SEL SRC Control knob IN indicator Track number Play time Playing CD & Audio file When a disc is inserted Press the [SRC] button. Select the "CD" display. • When a CD is inserted, the "IN" indicator is ON. Fast Forwarding and Reversing Fast Forwarding Hold down toward [¢] with the Control knob. Release to resume the playback. Reversing Hold down toward [4] with the Control knob. Release to resume the playback. • There is no sound while the Audio file is being searched. Pause and play Press the Control knob. Each time you press the knob, the audio pauses or plays.

Eject the CD Press the [0] button. English \ 17 B64-3453-00\_English.indd 17 06.3.23 9:03:32 AM CD player features Track/File Search Searching for a song on the disc or in the Audio file folder.

Push the Control knob towards [4] or [¢]. Scan Play Playing the first part of each song on the disc or Audio file folder you are listening to and searching for the song you want to hear. 1 Start Scan Play Press the [SCAN] button. "TRAC SCN"/ "FILE SCN" is displayed.

2 Release it when the song you want to listen Function of Audio file Folder Search Selecting the folder recorded on the Audio file media. Push the Control knob towards [FM] or [AM]. to is played Press the [SCAN] button. Random Play Play all the songs on the disc or Audio file folder in random order.

Track/File/Folder Repeat Replaying the song or Audio file folder you are listening to. Press the [REP] button. Each time you press the button, the Repeat Play alternates between the modes shown in the tables below. Press the [RDM] button. Each time you press the button, Random Play turns ON or OFF. When the Random mode is ON, "DISC RDM"/ "FOLD RDM" is displayed.

• When you push the Control knob toward [¢], the next random song starts. In CD source Repeat play Track Repeat OFF Display "TRAC REP" "REP OFF" Function of Audio file In Audio file source Repeat play File Repeat Folder Repeat OFF Display "FILE REP" "FOLD REP" "REP OFF" Folder Select Quickly selecting the folder you want to hear. 1 Enter Folder Select mode Press the [F.SEL] button. "FOLD SEL" is displayed. During Select mode the folder information is displayed as shown below. Folder name display Displays the current folder name. 18 \ English B64-3453-00\_English.indd 18 06.3.

23 9:03:33 AM 2 Select the folder level Push the Control knob towards [FM] or [AM]. With the [FM] of the Control knob, you move 1 level down and with the [AM] of the Control knob, 1 level up. @@@@ functions. The Menu system basic operation method is explained here. @@Select 1 of them as the setting.

@@@@@Also, you can set the time interval when interruption is prohibited. @@When the News Bulletin is ON, the "NEWS" indicator is ON. @@• The news bulletin volume is the same level that was set for <Traffic Information> (page 14). • This news bulletin function is only available if the desired station sends PTY-code for news bulletin or belongs to <Enhanced Other Network>-Network sending PTY-code for news bulletin. • When the News Bulletin Interrupt function is ON, the tuner changes to an FM station.

In Tuner mode Tuning Mode Sets the tuning mode. Tuning mode Auto seek Preset station seek Manual Display "AUTO 1" "AUTO 2" "MANUAL" Operation Automatic search for a station. Search in order of the stations in the Preset memory. Normal manual tuning control. ... AF (Alternative Frequency) When the reception is poor, automatically alternate to another frequency broadcasting the same program in the same RDS network with better reception. Display "AF ON" "AF OFF" Setting The AF function is ON.



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The AF function is OFF. When the AF function is ON, the "RDS" indicator is ON. • When no other stations with stronger reception are available for the same program in the RDS network, you may hear the incoming broadcast in bits and snatches. Turn OFF the AF function in such a case.

In Tuner mode Local Seek Only stations whose reception is good are searched in auto seek tuning. Display "LO.S OFF" "LO.S ON" Setting The local seek function is OFF. The local seek function is ON. Restricting RDS Region (Region Restrict Function) You can choose whether or not to restrict the RDS channels, received with the AF function for a particular network, to a specific region. Display "REG ON" "REG OFF" Setting The Region Restrict Function is ON. The Region Restrict Function is OFF. • If AF function is not restricted to the specified region and network, the AF function sets up to search the station with good reception in the same RDS network. 22 \ English B64-3453-00\_English.

indd 22 06.3.23 9:03:35 AM Auto TP Seek When the TI function is ON and the reception is poor while listening to a traffic information station, another traffic information station with better reception will be searched for automatically. Display "ATPS ON" "ATPS OFF" Setting The Auto TP Seek Function is ON. The Auto TP Seek Function is OFF.

In Standby mode Power OFF Timer 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. Display "OFF --" "OFF 20M" (Original setting) "OFF 40M" "OFF 60M" Setting Power OFF Timer function is OFF. Turns the power OFF after 20 minutes. Turns the power OFF after 40 minutes.

Turns the power OFF after 60 minutes. In FM reception Monaural Reception You can reduce the noise when stereo broadcasts are received as monaural. Display "MONO OFF" "MONO ON" Setting The monaural reception is OFF. The monaural reception is ON. In Standby mode CD Read Setting When there is a problem with playing a CD with special format, this setting plays the CD by force. Display "CD READ1" "CD READ2" Setting Play CD and Audio file. Play CD by force. Text Scroll Setting the displayed text scroll. Display "SCL MANU" "SCL AUTO" Setting Doesn't scroll. Scrolls when the display changes.

• Setting "CD READ2" cannot play Audio file. Some music CDs may not play even in the "CD READ2" mode. • The text scrolled is listed below. - CD text - Folder name/ File name/ Song title/ Artist name/ Album name English \ 23 B64-3453-00\_English.indd 23 06.3.23 9:03:36 AM Accessories/ Installation Procedure Accessories 1 ....

.....  
.1 2 ....  
.....2 3 ....

.....1 Installation Procedure 1. To prevent short circuits, remove the key from the ignition and disconnect the - terminal of the battery. 2. Make the proper input and output wire connections for each unit.

3. Connect the wire on the wiring harness. 4. Take Connector B on the wiring harness and connect it to the speaker connector in your vehicle. 5.

Take Connector A on the wiring harness and connect it to the external power connector on your vehicle. 6. Connect the wiring harness connector to the unit.

7. Install the unit in your car.

8. Reconnect the - terminal of the battery. 9. Press the reset button. • If the power is not turned ON (or it is ON, but will be OFF immediately), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked. • If your car is not prepared for this special connectionsystem, consult your Kenwood dealer. • Only use antenna conversion adaptors (ISO-JASO) when the antenna cord has an ISO plug. • Make sure that all wire connections are securely made by inserting jacks until they lock completely. • 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 with the ignition, connect the ignition wire to a power source that can be turned on and off with the ignition key. • If the fuse blows, first make sure that the wires have not caused a short circuit, then replace the old fuse with one with the same rating. • Insulate unconnected wires with vinyl tape or other similar material. To prevent short circuits, also do not remove the caps on the ends of the unconnected wires or the terminals. • Connect the speaker wires correctly to the terminals to which they correspond. The unit may receive damage or fail to work if you share the - wires and/or ground them to any metal part in the car. • After the unit is installed, check whether the brake lamps, indicators, wipers, etc. on the car are working properly.

• If the console has a lid, make sure to install the unit so that the faceplate does not hit the lid when closing and opening. • Mount the unit so that the mounting angle is 30° or less. 24 \ English B64-3453-00\_English.indd 24 06.3.

23 9:03:36 AM Connecting Wires to Terminals FM/AM antenna input Antenna Cord (ISO) Antenna Conversion Adaptor (ISO-JASO) (Accessory3) Fuse (10A) Wiring harness (Accessory1) TEL mute wire (Brown) MUTE Not Used Do not let the wire come out from the tab. 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 Battery wire (Yellow) Ignition wire (Red)

Connect either to the power control terminal when using the optional power amplifier, or to the antenna control terminal in the vehicle.

See next page. A-7 Pin (Red) A-4 Pin (Yellow) 8 7 8 7 6 5 6 5 4 3 4 3 2 1 2 1 Connector A Connector B English \ 25 B64-3453-00\_English.indd 25 06.3.23 9:03:37 AM 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 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 or 3, 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. 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 (-) 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.



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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) 3 The A-4 pin (yellow) of the vehicle's ISO connector is not connected to anything, while the A-7 pin (red) is connected to the constant power supply (or both the A-7 (red) and A-4 (yellow) pins are connected to the constant power supply). Ignition cable (Red) Unit Battery cable (Yellow) A-7 Pin (Red) Vehicle A-4 Pin (Yellow) • When the connection is made as in 3 above, the unit's power will not be linked to the ignition key. For that reason, always make sure to turn off the unit's power when the ignition is turned off. To link the unit's power to the ignition, connect the ignition cable (ACC...red) to a power source that can be turned on and off with the ignition key. 26 | English B64-3453-00\_English.indd 26 06.

3.23 9:03:38 AM Installation Installation Metal mounting strap (commercially available) Firewall or metal support Bend the tabs of the mounting sleeve with a screwdriver or similar utensil and attach it in place. Self-tapping screw (commercially available) Screw (M4X8) (commercially available) • Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (for example, the sound may skip). English | 27 B64-3453-00\_English.

indd 27 06.3.23 9:03:38 AM Removing the Unit Removing the hard rubber frame 1 Engage the catch pins on the removal tool and remove the two locks on the upper level. Upper the frame and pull it forward as shown in the figure. Removing the Unit 1 Refer to the section <Removing the hard rubber 2 3 frame> (page 28) and then remove the hard rubber frame.

Remove the screw (M4 × 8) on the back panel. Insert the two removal tools deeply into the slots on each side, as shown. Screw (M4X8) (commercially available) Lock Catch Accessory 2 Removal tool 2 When the upper level is removed, remove the lower two locations. Accessory 2 Removal tool 4 Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside. • The frame can be removed from the bottom side in the same manner. • 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. 28 | English B64-3453-00\_English.indd 28 06.3.

23 9:03:39 AM Troubleshooting Guide 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. ? General ? The power does not turn ON. □ The fuse has blown. □ After checking for short circuits in the wires, replace the fuse with one with the same rating. There's a source you can't switch. □ There's no media inserted. □ Set the media you want to listen to. If there's no media in this unit, you can't switch to each source. The memory is erased when the ignition is turned OFF.

□ The ignition and battery wire are incorrectly connected. □ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>. Even if Loudness is turned ON, high-pitched tone isn't compensated for. □ Tuner source is selected. □ High-pitched tone isn't compensated for when in Tuner source.

No sound can be heard, or the volume is low. □ The fader or balance settings are set all the way to one side. □ Center the fader and balance settings. □ The input/output wires or wiring harness are connected incorrectly. □ Reconnect the input/output wires or the wiring harness correctly.

See the section on <Connecting Wires to Terminals>. □ The values of Volume offset are low. □ Turn up the Volume offset, referring to the section on <Audio Setup> (page 10). The sound quality is poor or distorted. □ One of the speaker wires is being pinched by a screw in the car. □ Check the speaker wiring. □ The speakers are not wired correctly. □ Reconnect the speaker wires so that each output terminal is connected to a different speaker. @@ □ The received RDS station isn't sending time data. @@ □ The car antenna is not extended.

□ Pull the antenna out all the way. □ The antenna control wire is not connected. @@ □ The specified CD is quite dirty. □ Clean the CD. □ The disc is severely scratched. □ Try another disc instead. A CD ejects as soon as it is loaded. □ The CD is quite dirty. @@ □ Can't remove disc. □ The cause is that more than 10 minutes has elapsed since the vehicle ACC switch was turned OFF.

□ The disc can only be removed within 10 minutes of the ACC switch being turned OFF. If more than 10 minutes has elapsed, turn the ACC switch ON again and press the Eject button. The disc won't insert. □ There's already another disc inserted. □ Press the [0] button and remove the disc.

Direct Search can't be done. □ Another function is ON. □ Turn Random Play or other functions OFF. ? Cannot play an Audio file. □ The media is scratched or dirty.

□ Clean the media, referring to the CD cleaning of the section on <About CDs> (page 7). 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 <About CDs> (page 7). □ The recording condition is bad. □ Record the media again or use another media. The Audio file track time isn't displayed correctly. □ -- □ There are times when it isn't displayed correctly according to the Audio file recording conditions. Supreme does not take effect when it is turned ON. □ Little high-frequency component.

□ Supreme would not take effect with songs with little high-frequency component. □ Songs that have not been encoded at bit rates at 96 kbps or less ( $f_s = 32k, 44.1k, 48kHz$ ) or those that have been encoded at a variable bit rate cannot be decoded to reproduce their high-frequency components. □ --- ? ? ? ? ? 30 | English B64-3453-00\_English.indd 30 06.3.23 9:03:40 AM The messages shown below display your systems condition. TOC ERR: The CD is quite dirty. The CD is upsidedown. The CD is scratched a lot.

□ Clean the CD and load it correctly. The CD is upside-down. □ Load the CD correctly. Media was played that doesn't have data recorded that the unit can play. □ Use media that has data recorded that the unit can play.

The unit is malfunctioning for some reason. □ Press the reset button on the unit. If the "E-99" code does not disappear, consult your nearest service center. The protective circuit in the unit activates when the temperature inside the automatic disc changer exceeds 60°C (140°F), stopping all operation. □ Cool down the unit by opening the windows or turning on the air conditioner.



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As the temperature falls below 60°C (140°F), the disc will start playing again. The unit is reading the data on the disc. 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. An Audio file is played with a format that this unit can't support. □ ---A copy-protected file is played. □ ---- E-05: E-15: E-99: HOLD: READING: IN (Blink): PROTECT: NA FILE: COPY PRO: English \ 31 B64-3453-00\_English.

indd 31 06.3.23 9:03:40 AM Specifications Specifications subject to change without notice. Audio section Maximum output power : 45 W x 4 Output power (DIN 45324, +B=14.4V) : 28 W x 4 Speaker Impedance : 4-8Ω Tone action Bass : 100 Hz ±8 dB Middle : 1 kHz ±8 dB Treble : 10 kHz ±8 dB FM tuner section Frequency range (50 kHz space) : 87.5 MHz – 108.0 MHz Usable sensitivity (S/N = 26dB) : 0.7 μV /75 Ω Quieting Sensitivity (S/N = 46dB) : 1.6 μV /75 Ω Frequency response (±3.0 dB) : 30 Hz – 15 kHz Signal to Noise ratio (MONO) : 65 dB Selectivity (DIN) (±400 kHz) : ≥ 80 dB Stereo separation (1 kHz) : 35 dB General Operating voltage (11 – 16V allowable) : 14.

4 V Current consumption : 10 A Installation Size (W x H x D) : 182 x 53 x 155 mm Weight : 1.4 kg MW tuner section Frequency range (9 kHz space) : 531 kHz – 1611 kHz Usable sensitivity (S/N = 20dB) : 25 μV LW tuner section Frequency range : 153 kHz – 281 kHz Usable sensitivity (S/N = 20dB) : 45 μV CD player section Laser diode : GaAlAs Digital filter (D/A) : 8 Times Over Sampling D/A Converter : 1 Bit Spindle speed : 1000 – 400 rpm (CLV 2times) Wow & Flutter : Below Measurable Limit Frequency response (±1 dB) : 10 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 32 \ English B64-3453-00\_English.indd 32 06.3. 23 9:03:40 AM .



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