



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ALPINE CDA-137BTi. You'll find the answers to all your questions on the ALPINE CDA-137BTi in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ALPINE CDA-137BTi
User guide ALPINE CDA-137BTi
Operating instructions ALPINE CDA-137BTi
Instructions for use ALPINE CDA-137BTi
Instruction manual ALPINE CDA-137BTi

FOR CAR USE ONLY/NIJFÜR AUTOMOBIL GEBRUCH/POUR APPLICATION AUTOMOBILE UNQUEMENT PARA USOS EN AUTOMÓVILES/SOLO PER L'UTILIZZO IN AUTOMOBILE/ENDAST FÖR BILBRUK/ALLEN VOOR GEBRUK IN DE AUTO/ТОЛЬКО ДЛЯ ИСПОЛЬЗОВАНИЯ В АВТОМОБИЛЯХ/DO UŻYCI TYLKO W SAMOCHODZIE/ΠΑ ΧΡΗΣΗ ΜΟΝΟ ΣΕ ΑΥΤΟΚΙΝΗΤΟ



CD RECEIVER WITH ADVANCED BLUETOOTH

CDA-137BTi



- OWNERS MANUAL
Please read before using this equipment.
- BEDIENUNGSANLEITUNG
Lesen Sie diese Bedienungsanleitung bitte vor Gebrauch des Gerätes.
- MODE D'EMPLOI
Veuillez lire avant d'utiliser cet appareil.
- MANUAL DE OPERACIÓN
Lea antes de utilizar este equipo.
- ISTRUZIONI PER L'USO
Si prega di leggere prima di utilizzare il sistema.
- ANVÄNDARHÄNDBOKNING
Innan du använder utrustningen bör du läsa igenom denna användarhandledning.
- GEBRUIKERSHANDLEIDING
Lees deze aanwijzingen aandachtig alvorens de handleid te gebruiken.
- РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ
Прочтите настоящее руководство перед началом использования оборудования.
- INSTRUCȚIA CIBELUCI
Proștiți să citiți cu atenție instrucțiunile înainte de a utiliza dispozitivul.
- ΕΓΧΕΙΡΙΔΙΟ ΧΡΗΣΗΣ
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02-21027294-A



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Manual abstract:

ALPINE ELECTRONICS MARKETING, INC. 1-7, Yukigaya-Otsukamachi, Ota-ku, Tokyo 145-0067, JAPAN Phone: 03-5499-4531 ALPINE ELECTRONICS OF AMERICA, INC. 19145 Gramercy Place, Torrance, California 90501, U.S.A. Phone 1-800-ALPINE-1 (1-800-257-4631) ALPINE ELECTRONICS OF CANADA, INC. 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada Phone 1-800-ALPINE-1 (1-800-257-4631) • ANVÄNDARHANDLEDNING Innan du använder utrustningen bör du läsa igenom denna användarhandledning. • GEBRUIKERSHANDLEIDING Lees deze aanwijzingen aandachtig alvorens dit toestel te gebruiken. • РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ Прочтите настоящее руководство перед началом использования оборудования. • INSTRUKCJA OBSŁUGI Prosimy zapoznać się z tą instrukcją przed przystąpieniem do użytkowania urządzenia.

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I. Paris Nord II, B.P. 50016, 95945 Roissy Charles de Gaulle Cedex, France Phone 01-48638989 RU PL GR Designed by ALPINE Japan 68-21627Z44-A Contents Operating Instructions WARNING WARNING

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.....55 5-EN Operating Instructions WARNING WARNING This symbol means important instructions.

Failure to heed them can result in serious injury or death. DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the

vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

CAUTION This symbol means important instructions. Failure to heed them can result in injury or material property damage. **HALT USE IMMEDIATELY IF A PROBLEM APPEARS.** Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing. **DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.** When inserting the batteries, be sure to observe proper polarity (+ and -) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury. **KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.**

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. **LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.** **PRECAUTIONS Product Cleaning** Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic. **DO NOT DISASSEMBLE OR ALTER.** Doing so may result in an accident, fire or electric shock. Temperature Be sure the temperature inside the vehicle is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on. **USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.**

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc. **Moisture Condensation** You may notice the CD playback sound wavering due to condensation. If this happens, remove the disc from the player and wait about an hour for the moisture to evaporate. **KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.**

Swallowing them may result in serious injury. If swallowed, consult a physician immediately. **Damaged Disc** Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism. **USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.** Failure to do so may result in fire or electric shock. **Maintenance** If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing. **DO NOT BLOCK VENTS OR RADIATOR PANELS.** Doing so may cause heat to build up inside and may result in fire. **USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.** Use for other than its designed application may result in fire, electric shock or other injury. **Never Attempt the Following** Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism. Do not attempt to insert a disc into the unit when the unit power is off. **DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.**

Doing so may result in personal injury or damage to the product. **6-EN Inserting Discs** Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc. Make sure the label side is facing up when you insert the disc. "Error" will be displayed on your player if you insert a disc incorrectly. If "Error" continues to be displayed even though the disc has been inserted correctly, push the **RESET** switch with a pointed object such as a ballpoint pen. Playing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player. **Disc Cleaning** Fingerprints, dust, or soil on the surface of the disc could cause the CD player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the centre of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.

New Discs To prevent the CD from jamming, "Error" is displayed if discs with irregular surfaces are inserted or if discs are inserted incorrectly. When a new disc is ejected immediately after initial loading, use your finger to feel around the inside of the centre hole and outside edge of the disc. If you feel any small bumps or irregularities, this could inhibit proper loading of the disc. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ballpoint pen or other such instrument, then insert the disc again. **Centre Hole Centre Hole New Disc Disc Accessories** There are various accessories available on the market for protecting the disc surface and improving sound quality.

However, most of them will influence the thickness and/or diameter of the disc. Using such accessories can cause the disc to be out of standard specifications and may create operational problems. We recommend not using these accessories on discs played in Alpine CD players. **Bumps Outside (Bumps) Transparent Sheet Disc Stabilizer Irregular Shaped Discs** Be sure to use round shape discs only for this unit and never use any special shape discs. Use of special shape discs may cause damage to the mechanism.

On handling Compact Discs (CD/CD-R/CD-RW) ••••• Do not touch the surface. Do not expose the disc to direct sunlight. Do not affix stickers or labels. Clean the disc when it is dusty. Make sure that there are no bumps around the disc. Do not use commercially available disc accessories. **Installation Location** Make sure this unit will not be installed in a location subjected to: ••••• Direct sun and heat High humidity and water Excessive dust Excessive vibrations Do not leave the disc in the car or the unit for a long time. Never expose the disc to direct sunlight. Heat and humidity may damage the CD and you may not be able to play it again. To customers using CD-R/CD-RW • If a CD-R/CD-RW cannot be played back, make sure the last recording session was closed (finalized).

• Finalize the CD-R/CD-RW if necessary, and attempt playback again. About media that can be played Use only compact discs with the label side showing the CD logo marks below. **Correct Handling** Do not drop the disc while handling. Hold the disc so you will not leave fingerprints on the surface. Do not affix tape, paper, or gummed labels to the disc.



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...1 Interface cable for iPod..

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...1 Microphone ..

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.....1 Mounting sleeve....

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..1 Carrying case ...

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...1 Rubber Cap

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..1 Hex Bolt.....

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..1 Screw (M5 × 8) ...

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.4 Remote Control

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...1 Battery (AAA size)..

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..2 Owner's Manual.....

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.....1 set 3 Grasp the front panel firmly, slide to the left □, and then pull □ to remove. Notes • The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel).

This is not a malfunction. • To protect the front panel, place it in the supplied carrying case. • When detaching the front panel, do not apply excessive force as it may result in malfunction. • Do not leave the front panel open, or drive the car with the panel open as it may result in an accident or malfunction. Turning Power On and Off Press SOURCE□□ to turn on the unit. Note • The unit can be turned on by pressing any other button except y. Press and hold SOURCE□□ for at least 2 seconds to turn off the unit. Note • The first time power is turned on, the volume will start from level 12. Attaching 1 2 Insert the right side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.

Push the left side of the front panel until it locks firmly into the main unit. Source Selection Press SOURCE□□ to change the source. TUNER □ DISC □ USB/USB iPod*1 □ Bluetooth Audio*2 □ CHANGER*3 □ AUXILIARY*4 □ TUNER *1 Displayed only when the iPod/iPhone is connected.



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*2 Displayed only when Bluetooth Audio is set to ON, refer to “Setting the BLUETOOTH Connection (Bluetooth IN)” on page 27. *3 Only when the CD changer is connected.

*4 Displayed only when the AUX IN is set to ON, refer to “Setting the AUX Mode (V-Link)” on page 23. Notes • Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit. • Attach the front panel carefully, holding the sides of the front panel to avoid pushing buttons by mistake. 9-EN Initial System Start-Up Be sure to press the RESET switch when using the unit for the first time, after changing the car battery, etc. Setting the Dimmer Control Press and hold DIMMER for at least 2 seconds to select the DIMMER mode. The mode will change every time the button is pressed and held. Dimmer Auto □ Dimmer On □ Dimmer Off □ Dimmer Auto Dimmer Auto mode: Decrease the illumination brightness of the unit with the head lights of the vehicle ON. This mode is useful if you feel the unit’s backlighting is too bright at night. Dimmer On mode: Keep the illumination brightness of the unit dark. Dimmer Off mode: Keep the illumination brightness of the unit bright. 1 2 3 Turn off the unit power. Press y (OPEN) to open the front panel, and then remove it. Press RESET with a ballpoint pen or similar pointed object. □ RESET switch Adjusting Volume Turn the Rotary encoder until the desired sound is obtained. Setting the Time and Calendar 1 2 3 4 5 6 7 Press and hold SETUP for at least 2 seconds to activate the SETUP selection mode.

Turn the Rotary encoder to select the General mode, and then press □□ENTER. Bluetooth □ General □ Display □ Tuner □ USB □ Bluetooth Turn the Rotary encoder to select Clock Adjust, and then press □□ENTER. Turn the Rotary encoder to set year. Press □□ENTER. Repeat steps 4 and 5 above to set month, date, hour and minute. Press and hold SETUP for at least 2 seconds to return to normal mode. Notes • Pressing □ returns to the previous SETUP mode. • If no operation is performed for 60 seconds, SETUP is cancelled. • To synchronise the clock to another clock/watch or radio time announcement, press and hold □□ENTER for at least 2 seconds after setting the “hour”. Minutes will reset to 00.

If the display shows over “30” minutes when you do this, the time will advance one hour. 10-EN Radio SOURCE/□ □ □ Rotary encoder □ /ENTER Presetting Stations Automatically 1 2 Press BAND repeatedly until the desired radio band is displayed. Press and hold TUNE□A.ME for at least 2 seconds. The frequency on the display continues to change while the automatic memory is in progress.

The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored into preset buttons 1 to 6 in order of signal strength. When the automatic memory has been completed, the tuner goes to the station stored in preset location No.1. Note TUNE/A.

ME BAND Preset buttons (1 through 6) • If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began. Tuning to Preset Stations Listening to Radio 1 2 3 Press SOURCE□□ to select TUNER mode. Press BAND repeatedly until the desired radio band is displayed. FM1 □ FM2 □ FM3 □ MW □ LW □ FM1 Select the desired band, then press any one of the station preset buttons (1 through 6) that has your desired radio station in memory. The display shows the band, preset number and frequency of the station selected. Press TUNE□A.ME to select the tuning mode. DX (Distance mode) □ LOCAL (Local mode) □ MANUAL (Manual mode) □ DX (Distance mode) Frequency Search Function You can search for a radio station by its frequency. Note • The initial mode is Distance mode. Distance mode: Both strong and weak stations will be automatically tuned in (Automatic Seek Tuning).

Local mode: Only strong stations will be automatically tuned in (Automatic Seek Tuning). Manual mode: The frequency is manually tuned in steps (Manual tuning). 1 2 3 4 Press the Rotary encoder to activate the FUNCTION LIST mode while the unit is in Radio mode. Turn the Rotary encoder to select FREQ Search mode, and then press □□ENTER. AF □ NEWS □ PTY □ FREQ Search Turn the Rotary encoder to select the desired frequency. Press □□ENTER to receive the selected frequency. 4 Press □ or □ to tune in the desired station. Holding down □ or □ will change the frequency continuously. Note • Press □ in the search mode to cancel. Or, the search mode will be cancelled if no operation is performed for 10 seconds.

Presetting Stations Manually Tune in the station you want to store. Press and hold, for at least 2 seconds, any one of the preset buttons (1 through 6) into which you wish to store the station. The display shows the band, preset number and station frequency memorized. Notes • A total of 30 stations can be stored in the preset memory (6 stations for each band; FM1, FM2, FM3, MW and LW). • If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.

11-EN RDS □ □ Rotary encoder □ /ENTER Receiving RDS Regional (Local) Stations 1 SETUP Press and hold SETUP for at least 2 seconds to activate the SETUP mode. Turn the Rotary encoder to select the Tuner mode, and then press □□ENTER. Bluetooth □ General □ Display □ Tuner □ USB □ Bluetooth 2 3 4 Turn the Rotary encoder to select RDS Regional, and then press □□ENTER. Turn the Rotary encoder to select ON or OFF. In the OFF mode, the unit automatically keeps receiving the related local RDS station.

BAND/TA VIEW Turning AF (Alternative Frequencies) ON/OFF The RDS (Radio Data System) is a radio information system using the 57 kHz subcarrier of regular FM broadcast. The RDS allows you to receive a variety of information such as traffic information, station names, and to automatically re-tune to a stronger transmitter that is broadcasting the same programme. 5 Press and hold SETUP for at least 2 seconds to return to normal mode. Notes • Pressing □ during the procedure will return to the previous mode. • If no operation is performed for 60 seconds in the SETUP mode, the setting mode is cancelled. 1 2 3 4 Press the Rotary encoder to activate the FUNCTION LIST mode while the unit is in Radio (FM receiving) mode. Turn the Rotary encoder to select the “AF”, and then press □□ENTER. AF □ NEWS □ PTY □ FREQ Search PI SEEK Setting 1 2 3 4 5 Press and hold SETUP for at least 2 seconds to activate the SETUP mode. Turn the Rotary encoder to select the Tuner mode, and then press □□ENTER. Bluetooth □ General □ Display □ Tuner □ USB □ Bluetooth Turn the Rotary encoder to select ON or OFF.

Press and hold □ for at least 2 seconds to return to normal mode.



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Turn the Rotary encoder to select PI Seek, and then press **ENTER**. Turn the Rotary encoder to select ON or OFF. Press and hold **SETUP** for at least 2 seconds to return to normal mode. Notes • When the AF ON mode is selected, the unit automatically tunes to a strong signal station in the AF list. • Use the AF OFF mode when automatic re-tuning is not required. • When the PTY31 (Emergency Broadcast) reception is set to ON (refer to “Setting PTY31 (Emergency Broadcast) reception” on page 12), if the unit receives the PTY31 (Emergency Broadcast) signal, the unit will show “ALARM” in the display automatically. • Press **□** to return to the previous mode. • If no operation is performed for 60 seconds, the unit will return to normal mode automatically.

Notes • Pressing **□** during the procedure will return to the previous mode.

• If no operation is performed for 60 seconds in the SETUP mode, the setting mode is cancelled. The RDS digital data includes the following: PI PS AF TP TA EON Programme Identification Programme Service Name List of Alternative Frequencies Traffic Programme Traffic Announcement Enhanced Other Networks Setting PTY31 (Emergency Broadcast) reception Turn PTY31 (Emergency Broadcast) reception ON/OFF. 1 2 3 Press and hold **SETUP** for at least 2 seconds to activate the SETUP mode. Turn the Rotary encoder to select the Tuner mode, and then press **ENTER**. Bluetooth **□** General **□** Display **□** Tuner **□** USB **□** Bluetooth Turn the Rotary encoder to select Alert PTY31, and then press **ENTER**.

12-EN 4 5 Turn the Rotary encoder to select ON or OFF. If you set to ON, emergency broadcasts are received regardless of source. “ALARM” is displayed during reception. Press and hold **SETUP** for at least 2 seconds to return to normal mode. When an emergency broadcast is received, the volume level will be automatically changed to the memorized level in the traffic information mode.

For details, refer to “Receiving Traffic Information” on page 13. • If the volume level is changed while receiving traffic information, the changed volume level will be memorized. When traffic information is received next time, the volume level will be automatically adjusted to the level memorized. • In the TA mode, the SEEK tuning selects only the TP stations. PTY (Programme Type) Tuning 1 2 Notes • Pressing **□** during the procedure will return to the previous mode. • If no operation is performed for 60 seconds in the SETUP mode, the setting mode is cancelled. Press the Rotary encoder to activate the FUNCTION LIST mode while the unit is in Radio (FM receiving) mode. Turn the Rotary encoder to select the PTY, then press **ENTER**. AF **□** NEWS **□** PTY **□** FREQ Search Setting the Time to automatically Adjust When you set to ON, the time is automatically adjusted by RDS data. The Programme Type of the station being currently received will be displayed for 5 seconds.

If there is no receivable PTY broadcast, “No PTY” will be displayed for 5 seconds. If no RDS station can be received, the display shows “No PTY”. 1 2 3 4 5 Press and hold **SETUP** for at least 2 seconds to activate the SETUP mode. Turn the Rotary encoder to select the Tuner mode, and then press **ENTER**.

Bluetooth **□** General **□** Display **□** Tuner **□** USB **□** Bluetooth 3 4 Turn the Rotary encoder to choose the desired programme type. Press **ENTER** within 5 seconds after selecting the programme type to start searching for a station in the selected programme type. The chosen programme type display blinks during searching and lights when a station is found. If no PTY station is found, “No PTY” will be displayed for 5 seconds. Turn the Rotary encoder to select Auto Clock, and then press **ENTER**. Turn the Rotary encoder to select ON or OFF.

Press and hold **SETUP** for at least 2 seconds to return to normal mode. 5 Press and hold **□** for at least 2 seconds to return to normal mode. Notes • Pressing **□** during the procedure will return to the previous mode. • If no operation is performed for 60 seconds in the SETUP mode, the setting mode is cancelled.

Receiving Traffic Information While Playing CD or Radio Receiving Traffic Information 1 2 Press and hold **BAND/TA** for at least 2 seconds so that the “TA” indicator lights up.

Press **□** or **□** to select a traffic information station if necessary. When a traffic information broadcast starts, the unit automatically mutes the CD player or the regular FM broadcast. When the traffic information broadcast finishes, the unit automatically returns to the original source play before the traffic information broadcast began. When traffic information stations cannot be received: In the tuner mode: When the TP signal can no longer be received for over 1 minute, the “TA” indicator blinks. In the CD mode: When the TP signal can no longer be received, the traffic information station of another frequency will be selected automatically.

1 2 Press and hold **BAND/TA** for at least 2 seconds so that the “TA” indicator lights up. Press **□** or **□** to select your desired traffic information station. When a traffic information station is tuned in, the “TP” indicator lights up. Traffic information is heard only when it is being broadcast. If traffic information is not being broadcast, the unit is set in the standby mode. When a traffic information broadcast begins, the unit automatically receives it and the display shows “T.INFO”. When the traffic information broadcast is over, the unit will automatically set in the standby mode. Notes • If the traffic information broadcast signal falls below a certain level, the unit remains in the receiving mode for 1 minute. If the signal remains below a certain level for over 1 minute, the “TA” indicator blinks.

• If you do not want to listen to the traffic information being received, lightly press **BAND/TA** to skip that traffic information message. The TA mode will remain in the ON position to receive the next traffic information message. Note • The receiver is equipped with the EON (Enhanced Other Networks) function in order to keep track of additional alternate frequencies to the AF list. The “EON” indicator lights up while an RDS EON station is being received. If the station being received does not broadcast the traffic information, the receiver automatically tunes in the related station that broadcasts the traffic information when it occurs. 13-EN 3 Press and hold **BAND/TA** for at least 2 seconds to deactivate the Traffic Information mode. The “TA” indicator goes out.

CD/MP3/WMA/AAC SOURCE/**□** **□** **□** Rotary encoder **□**/**ENTER** Priority News This function allows you to preset to give priority to the News programme. You will never miss the News programme as the unit automatically gives priority to the News programme whenever it begins broadcasting, and interrupts the programme you are currently listening.



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This feature is functional when your unit is set to a mode other than the LW and MW modes.

1 2 Press the Rotary encoder to activate the FUNCTION LIST mode while the unit is in Radio (FM receiving) mode. Turn the Rotary encoder to select the News, then press . AF Search / II 1 4 5 Note • In the NEWS function, unlike in the TA function, the volume does not increase automatically. Playback 1 2 Press y (OPEN). The front panel will open.

3 4 Turn the Rotary encoder to select ON or OFF. Press and hold for at least 2 seconds to return to normal mode. Insert a disc with the label side facing up. The disc will be pulled into the unit automatically. Displaying Radio Text Text messages from a radio station can be displayed.

Press VIEW while receiving FM in the radio mode to select the Radio Text display. The display will change every time the button is pressed. For details, refer to "Displaying the Text" on page 20. Note • When a disc is already inserted, press SOURCE to switch to the DISC mode. 3 4 5 6 While playing back MP3/WMA/AAC, press 1 or 2 to select the desired folder. Pressing and holding 1 or 2 will change folders continuously. Press or to select the desired track (file). Pressing and holding or will fast backward/fast forward track continuously. To pause playback, press . Pressing again will resume playback.

After pressing y (OPEN) to open the front panel, press to eject the disc. Notes • Do not remove a CD during its eject cycle. Do not load more than one disc at a time. A malfunction may result from doing either. • Three-inch (8 cm) CDs cannot be used. • Any file protected by DRM (Digital Rights Management) copy protection, cannot be played back on this unit. • The track display for MP3/WMA/AAC data playback is the file numbers recorded on the disc. • The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back. • Press VIEW to switch the display. For details, refer to "Displaying the Text" on page 20.

14-EN Repeat Play 1 Folder/File Name Search (Concerning MP3/ WMA/AAC) Folder and file names may be searched and displayed during playback. Press 4. The song is played back repeatedly. RPT*1 RPT *2 RPT *3 (off) RPT *1 Only a track/file is repeatedly played back. *2 Only files in a folder are repeatedly played back (MP3/WMA/ AAC mode only).

*3 A disc is repeatedly played back (When a CD changer is connected.). Note • If RPT is set to ON during M.I.X.

play in CD changer mode, M.I.X. will apply to the current disc only. Folder Name Search mode 1 2 3 4 During MP3/WMA/AAC playback, press to activate the search mode. Turn the Rotary encoder to select Folder Name Search mode, and then press . Turn the Rotary encoder to select the desired folder. Press and hold for at least 2 seconds to play back the first file in the selected folder. 2 To cancel repeat play, select (off) with the above procedure. M.

I.X. (Random Play) Notes • Press and hold for at least 2 seconds in the search mode to cancel. Or, the search mode is cancelled if no operation is performed for 60 seconds. • To search for files in the Folder Name Search mode, press . Files in the folder may be searched. • Press 1 or 2 to select folders in which to search for a file. • Press to exit Folder Name Search mode in step 3 in order to select File Name Search mode. • When Folder Name Search is made during M.I.

X. play, the M.I.X. play mode will be cancelled.

• The root folder of a disc is displayed as "\ROOT". 1 Press 5 x. The songs are played back in random sequence. MIX*1 MIX *2 MIX *3 (off) MIX *1 The tracks are played back in random sequence (CD mode only). *2 Only files in a folder are played back in random sequence (MP3/ WMA/AAC mode only).

*3 For CD, the tracks on all the CDs in the current magazine will be included in the random playback sequence. (When a CD changer equipped with the ALL M.I.X. function is connected.); For MP3/WMA/AAC, files are played back in random sequence. If an MP3 compatible CD changer is connected, all files in a disc are played back in random sequence, and playback shifts to the next disc. Note • If M.I.X.

is set to ON during RPT (REPEAT ALL) play in CD changer mode, M.I.X. will apply to the current disc only. File Name Search mode 1 2 3 4 During MP3/WMA/AAC playback, press to activate the search mode. Turn the Rotary encoder to select File Name Search mode, and then press .

Select the desired file by turning the Rotary encoder. Press to play back the selected file. 2 To cancel M.I.

X. play, select (off) with the above procedure. Searching for CD Text On discs utilizing CD Text, songs can be searched and played by using their recorded titles. For discs without CD Text, searches are made using the track numbers associated with each song. Notes • Press and hold for at least 2 seconds in the search mode to cancel.

Or, the search mode is cancelled if no operation is performed for 60 seconds. • Press in the search mode to return to the previous mode. • When File Name Search is made during M.I.X.

play, the M.I.X. play mode will be cancelled. 1 2 Press during play. This will set the search mode. Search Position Memory During playback, you can quickly return to the last-selected hierarchy level in the search mode. Turn the Rotary encoder to select the desired track, and then press . This will play the selected track. Notes • Press in the search mode to cancel.

Or, the search mode is cancelled if no operation is performed for 60 seconds. • When CD Text Search is made during M.I.X. play, the M.I.X. play mode will be cancelled. • In CD changer mode, searches can only be made using the track numbers associated with each song, even though discs utilize CD text. Press .

The hierarchy you selected last in the search mode is displayed. 15-EN About MP3/WMA/AAC Except for private use, duplicating audio data (including MP3/ WMA/AAC data) or distributing, transferring, or copying it, whether for free or for a fee, without permission of the copyright holder is strictly prohibited by the Copyright Act and by international treaty. What is MP3? MP3, whose official name is "MPEG Audio Layer 3," is a compression standard prescribed by the ISO, the International Standardization Organization and MPEG which is a joint activity institution of the IEC. MP3 files contain compressed audio data. MP3 encoding is capable of compressing audio data at extremely high ratios, reducing the size of music files to as much as one-tenth their original size.

This is achieved while still maintaining near CD quality. The MP3 format realises such high compression ratios by eliminating the sounds that are either inaudible to the human ear or masked by other sounds.



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What is WMA? WMA, or “Windows Media™ Audio,” is compressed audio data. WMA is similar to MP3 audio data. What is AAC? AAC is the abbreviation for “Advanced Audio Coding”, and is a basic format of audio compression used by MPEG2 or MPEG4.

Method for creating MP3/WMA/AAC files Audio data is compressed using software with MP3/WMA/AAC codecs. For details on creating MP3/WMA/AAC files, refer to the user’s manual for that software. MP3/WMA/AAC files that are playable on this device have the file extensions “mp3”/“wma”/“m4a”. Files with no extension cannot be played back (WMA ver. 7, 8 and 9 are supported). Protected files are not supported, neither are raw AAC files (using the “.aac” extension). There are many different versions of the AAC format. Confirm that the software being used conforms to the acceptable formats listed above. It’s possible that the format may be unplayable even though the extension is valid.

Playback of AAC files encoded by iTunes is supported. Supported playback sampling rates and bit rates MP3 Sampling rates: Playing back MP3/WMA/AAC MP3/WMA/AAC files are prepared, then written to a CD-R, CD-RW using CD-R writing software or stored to a USB Memory. A disc can hold up to 510 files/folders (including Root Folders), and the maximum number of folders is 255. This unit can recognize at most 20 Banks (1000 files per Bank) stored in USB Memory. Playback may not be performed if a disc or USB Memory exceeds the limitations described above. Do not make a file’s playback time more than 1 hour. Media supported The media that this device can play back are CD-ROMs, CD-Rs, and CD-RWs. This device also can play back USB Memory media. Corresponding File Systems This device supports discs formatted with ISO9660 Level 1 or Level 2. Under the ISO9660 standard, there are some restrictions to remember.

The maximum nested folder depth is 8 (including the root directory). The number of characters for a folder/file name is limited. Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and ‘_’ (underscore). This device also can play back discs in Joliet, Romeo, etc., and other standards that conform to ISO9660.

However, sometimes the file names, folder names, etc., are not displayed correctly. This device also supports FAT 12/16/32 for USB Memory device. Formats supported This device supports CD-ROM XA, Mixed Mode CD, Enhanced CD (CD-Extra) and Multi-Session. This device cannot correctly play back discs recorded with Track At Once or packet writing.

Order of files Files are played back in the order that the writing software writes them to the disc. Therefore, the playback order may not be what is expected. Verify the writing order in the software’s documentation. The playback order of the folders and files is as follows. Root folder * 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz 8 - 320 kbps 48 kHz, 44.1 kHz, 32 kHz 32 - 192 kbps 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.

05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz 16 - 320 kbps Bit rates: WMA Sampling rates: Bit rates: AAC Sampling rates: Bit rates: This device may not play back correctly depending on sampling rates. In the USB mode, the playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back. Folder ID3 tags/WMA tags This device supports ID3 tag v1 and v2, and WMA/AAC tag. If tag data is in an MP3/WMA/AAC file, this device can display the title (track title), artist name, and album name ID3 tag/WMA/AAC tag data. This device can only display single-byte alphanumeric characters (up to 30 for ID3 tags and up to 15 for WMA tags) and the underscore. For non-supported characters, “No Support” is displayed. If information contains characters other than ID3 tag information, the audio file may not be played back. The tag information may not be correctly displayed, depending on the contents. MP3/WMA/AAC File * The folder No.

/folder Name will not be displayed if no file is contained in the folder. 16-EN Terminology Bit rate This is the “sound” compression rate specified for encoding. The higher the bit rate, the higher the sound quality, but also the larger the files. Sampling rate This value shows how many times per second the data is sampled (recorded). For example, music CDs use a sampling rate of 44.

1 kHz, so the sound is sampled (recorded) 44,100 times per second. The higher the sampling rate, the higher the sound quality, but also the larger the volume of data. Encoding Converting music CDs, WAVE (AIFF) files, and other sound files into the specified audio compression format. Tag Song information such as track titles, artist names, album names, etc., written into MP3/WMA/AAC files.

Root folder The root folder (or root directory) is found at the top of the file system. The root folder contains all folders and files. It is created automatically for all burned discs. Sound Setting SOURCE/ Rotary encoder /ENTER MX AUDIO/SOUND SETUP Preset buttons (1 through 6) BAND Adjusting Subwoofer Level/Balance (Between Left and Right)/Fader (Between Front and Rear)/Auto Volume/Black Out/ Defeat 1 Press AUDIO repeatedly to choose the desired mode. Each press changes the mode as follows: SUBWOOFER*1 BALANCE FADER AUTO VOLUME*2 BLACK OUT*3 DEFEAT VOLUME SUBWOOFER *1 When the Subwoofer mode is set to OFF, its level cannot be adjusted, refer to “Turning Subwoofer ON/OFF” on page 18. *2 By setting AUTO VOLUME, the unit can automatically adjust volume to a proper level according to engine/road noise, etc. There are three volume correction degrees: LOW, MIDDLE and HIGH. *3 When BLACK OUT mode is turned ON, after 5 seconds, all display indications on this unit will turn off to reduce power consumption. This additional power enhances the sound quality. Subwoofer Level Balance Fader Auto Volume Black Out Defeat Volume Notes • If no operation is performed for 5 seconds after selecting the SUBWOOFER, BALANCE, FADER, AUTO VOLUME, BLACK OUT or DEFEAT mode, the unit automatically returns to normal mode.

• If any button on the unit is pressed during the BLACK OUT Mode, the function is displayed for 5 seconds before returning to BLACK OUT mode. 0 ~ 15 -15(L) ~ 15(R) -15(R) ~ 15(F) OFF/LOW/MIDDLE/HIGH ON/OFF ON/OFF 0 ~ 35 2 Turn the Rotary encoder until the desired sound is obtained in each mode. Note • Depending on the connected devices, some functions and display indications do not work. 17-EN Setting the MX Mode MX (Media Xpander) makes vocals or instruments sound distinct regardless of the music source. The CD, and iPod, will be able to reproduce the music clearly even in cars with a lot of road noise. 1 2 Press and hold SOUND SETUP for at least 2 seconds to activate the Sound Setting mode. Turn the Rotary encoder to select the desired sound setting menu, and then press ENTER. HPF*1 Subwoofer SUBW.



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System*2 □ SUBW. Phase*2 □ SUBW.

Channel*2 □ Media Xpander*3 □ MX Level*3*4 □ EQ Mode □ TCR Parameter □ Sound Field*5 □ HPF 1 2 3 4 5 Press SOURCE□□ to select the source to which you want to apply Media Xpander. Press MX to switch to Media Xpander mode, and then press □□ENTER. Turn the Rotary encoder to select ON, and then press □□ENTER. The MX Level setting item is displayed. *1 Adjustment cannot be performed when an external audio processor is connected or DEFEAT is set to ON.

*2 These functions are inoperable when Subwoofer is set to OFF. *3 Refer to "Setting the MX Mode" on page 18. *4 This function is inoperable when Media Xpander is set to OFF. *5 In step 2, two sound adjustment items (Parametric EQ/Graphic EQ, T. Correction) can be selected in Sound Field Adjustment mode, turn the Rotary encoder to select the desired item, and then press □□ENTER to continue to step 3.

Turn the Rotary encoder to select the MX Level, and then press □□ENTER. Turn the Rotary encoder to select the desired Media Xpander level, and then press □□ENTER. CD (MX level 1 to 3): CD mode processes a large amount of data during playback. MX takes advantage of this large data quantity to reproduce a more clear, clean output. CPM (MX level 1 to 3): This corrects information that was lost at the time of compression. This reproduces a well-balanced sound close to the original. DVD (Video CD) (MOVIE MX level 1 to 2): The dialogue portion of a video is reproduced more clearly. (DVD MUSIC): A DVD or Video CD contains a large quantity of data such as music clip. MX uses this data to reproduce the sound accurately. AUX (MX level 1): Choose the MX mode (CMPM, MOVIE, or MUSIC) that corresponds to the media connected.

3 4 Turn the Rotary encoder to change the setting, and then press □□ENTER. (e.g. Select Subwoofer ON or Subwoofer OFF) Press and hold □ for at least 2 seconds to return to normal mode. Notes •Media Xpander, Parametric EQ/Graphic EQ Adjustment, EQ Mode and MX Level Adjustment are inoperable when DEFEAT is set to ON. •Pressing □ returns to the previous Sound menu mode. •If no operation is performed for 60 seconds, Sound menu mode is cancelled.

Adjusting the High Pass Filter The High Pass Filter on this unit can be adjusted to suit your personal taste. □ Setting item: HPF Setting contents: OFF (Initial setting) / 60 Hz / 80 Hz / 100 Hz 6 Press and hold □ for at least 2 seconds to return to normal mode. Notes • If □ is pressed during setting, the unit returns to the previous item.

• Each music source, such as CD and MP3/WMA/AAC can have its own MX setting. • On disks with both MP3/WMA/AAC and CD-DA, when the source changes from "MP3/WMA/AAC to CD-DA" or "CD-DA to MP3/WMA/AAC", MX-mode switching may delay playback slightly. • Setting to Non Effect sets MX mode of each music source to OFF. • The function is inoperable when DEFEAT is set to ON. • There is no MX mode for FM, MW and LW radio. • If an audio processor with the MX function (PXA-H800, etc.) is connected, its own MX processing is applied to the music source. Since the processor MX settings may not match the head unit, the audio processor needs to be adjusted. For details, refer to the Owner's Manual of the audio processor. • "CMPM" is applied for MP3/WMA/AAC, Bluetooth Audio and iPod/ iPhone.

Turning Subwoofer ON/OFF When the subwoofer is on, you can adjust the subwoofer output level (refer to "Sound Setting" on page 18). □ Setting item: Subwoofer Setting contents: OFF / ON (Initial setting) OFF: No subwoofer signal is output from the Subwoofer RCA Connectors (refer to "Connections" on page 55). ON: The subwoofer signal is output from the Subwoofer RCA Connectors (refer to "Connections" on page 55). Setting the Subwoofer System When the subwoofer is on, you can select either System 1 or System 2 for the desired subwoofer effect. Sound Setting You can flexibly customize the unit to suit your own preference and usage. From the SOUND SETUP menu, Audio Setting can be modified. Use steps 1 to 4 to select one of the setting modes to modify. See the applicable section below for details about the selected setting item. □ Setting item: SUBW. System Setting contents: 1 (Initial setting) / 2 1: Subwoofer level changes according to the main volume setting.

18-EN 2: Subwoofer level change is different from the main volume setting. For example, even at low volume settings, the subwoofer is still audible. Sound Field Adjustment The setting of Parametric EQ/Graphic EQ and Time Correction can be adjusted in this mode. Setting the Subwoofer Phase The subwoofer output phase is toggled SUBWOOFER NORMAL (0°) or SUBWOOFER REVERSE (180°). To adjust the level, turn the Rotary encoder. Adjusting the Parametric Equalizer Curve You can modify the Equalizer settings to create a response curve more appealing to your personal taste. To adjust the Parametric Equalizer Curve, set the EQ Mode to Parametric EQ. For details, refer to "Setting EQ mode" on page 19. □ Setting item: SUBW. Phase Setting contents: PHASE 0° (Initial setting) / PHASE 180° 1 2 After selecting Parametric EQ from the Sound Field mode, press BAND to select the band to be adjusted.

Band 1 □ Band 2 □ Band 3 □ Band 4 □ Band 5 □ Band 1 Setting the Subwoofer Channel (SUBW. Channel) You can set the subwoofer output to stereo or monaural. Make sure to set the correct output for your subwoofer type. Press □ or □ to select frequency bands. Adjustable frequency bands: 63 Hz to 17.5 kHz (in 1/3 octave steps). Band-1 Band-2 Band-3 Band-4 Band-5 63 Hz~200 Hz 160 Hz~1 kHz 630 Hz~4 kHz 1.6 kHz~10 kHz 10 kHz~17.5 kHz □ Setting item: SUBW. Channel Setting contents: STEREO (Initial setting) / MONO STEREO: Subwoofer stereo (L/R) output MONO: Subwoofer monaural output 3 4 5 Turn the Rotary encoder to adjust the level.

Adjustable level: -6 to +6 dB Setting EQ mode This setting gives you a choice of 5-band parametric, or 7-band graphic equalizer. Press SOURCE□□ to set the bandwidth (Q). Adjustable bandwidth: 1, 2, 3, 4 □ Setting item: EQ Mode Setting contents: Graphic EQ / Parametric EQ (Initial setting) GEQ: 7-band Graphic EQ PEQ: 5-band Parametric EQ To adjust another band, repeat steps 1 to 4 and adjust all bands. Note • While adjusting the Parametric EQ, you should consider the frequency response of the connected speakers. Adjusting the Graphic Equalizer Curve You can modify the equalizer settings to create a response curve more appealing to your personal taste. To adjust the Graphic Equalizer Curve, set the EQ Mode to Graphic EQ. For details, refer to "Setting EQ mode" on page 19. Setting the Time Correction Unit (TCR Parameter) You can change the unit, (cm or inch) of time correction. □ Setting item: TCR Parameter Setting contents: cm (Initial setting) / inch 1 2 3 After selecting Graphic EQ from the Sound Field mode, press BAND to select the band to be adjusted.



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Band 1 □ Band 2 □ Band 3 □ Band 4 □ Band 5 □ Band 6 □ Band 7 □ Band 1 Turn the Rotary encoder to adjust the level.

Adjustable output level: -6 to +6 dB To adjust another band, repeat steps 1 and 2, and then adjust all bands. 19-EN Adjusting the Time Correction Before performing the following procedures, refer to "About Time Correction" on page 43. Other Functions 1 After selecting T. Correction from the Sound Field mode, press BAND to select a speaker to be adjusted. F-L*1 □ F-R*2 □ R-L*3 □ R-R*4 □ SW-L □ SW-R □ F-L *1 *2 *3 *4 Front-L (Initial setting) Front -R Rear-L Rear-R VIEW 2 3 Turn the Rotary encoder to adjust the distance correction value (0.0 to 336.6cm). L = (distance to farthest speaker) - (distance to other speakers) Displaying the Text Text information, such as the disc name and the track name, will be displayed if playing a CD text compatible disc. It is also possible to display the folder name, the file name and the tag, etc. while playing MP3/WMA/AAC files.

Repeat steps 1 and 2 to set another speaker. By setting these values to make its sound reach the listening position at the same time as the sound of other speakers. Storing the Sound Field Adjustment Settings The Sound Field Settings containing Parametric EQ/Graphic EQ and T. Correction settings can be stored in the preset memory. Press VIEW.

The display will change every time the button is pressed. Note • When the Text Scroll is set to Manual, press and hold VIEW for at least 2 seconds, the current text will be scrolled one time (except Radio mode). The display in Radio mode: If there is PS (Programme Service Name) 1 2 When the settings of Sound Field have been completed, select any one of the preset buttons (1 through 6) in any item of the Sound Field mode (e.g. Parametric EQ), press and hold the desired preset buttons for at least 2 seconds.

Turn the Rotary encoder to select Protect YES/NO, and then press □□ENTER to store the adjusted contents. Protect YES (Initial setting) □ Protect NO PS (Programme Service Name)*1 (Blank) Calendar Clock Radio Text Radio Text (Blank) (Blank) Notes • If YES is selected, the adjusted contents are protected and stored into the preset buttons. When you want to store the parameter into a protected preset button, "Replace NO/YES" can be selected. • If NO is selected, the preset is stored. • While perform this operation, all adjusted contents of Parametric EQ/ Graphic EQ and T. Correction will be stored in the preset buttons. • The stored contents are not deleted even when resetting the unit or disconnecting the battery. • The stored contents can be recalled by performing operation (refer to "Recalling the Stored Sound Field Adjustment Settings" on page 20). PS (Programme Service Name)*1 PTY (Programme Type) PS (Programme Service Name)*1 (Blank) If there is no PS (Programme Service Name) Recalling the Stored Sound Field Adjustment Settings The stored Sound Field Settings contain Parametric EQ/Graphic EQ and T. Correction settings that are stored in the preset memory.

FREQUENCY (Blank) (Blank) (Blank) 1 2 After selecting any item of the Sound Field mode (e.g. Parametric EQ), press any one of the preset buttons (1 through 6) that has your desired characteristic in memory to recall the stored settings. Press the preset buttons (1 through 6) again to return to the Sound Field mode. Calendar Clock FREQUENCY PTY (Programme Type) Radio Text Radio Text FREQUENCY (Blank) Note • While performing this operation, all adjustment contents of Parametric EQ/Graphic EQ and T. Correction stored in the preset buttons will be recalled. 20-EN The display in CD mode: About the indication display (Blank) (Blank) Text (Disc Name)*2 Text (Track Name)*2 Track No. Elapsed Time Calendar Clock Track No. Elapsed Time When displaying Text, the following indicators are lit according to the mode. Indicator/ Mode CD Mode MP3/WMA/AAC Mode iPod Mode □ □ □ — — — Text (Disc Name) being displayed Text (Track Name) being displayed Folder Name being displayed Artist Name being displayed Album Name being displayed File Name being displayed — — Artist Name being displayed Album Name being displayed — The display in MP3/WMA/AAC mode: □ □ Folder No.

/File No. Elapsed Time Calendar Clock *5 (Blank) (Blank) *5 — Artist Name *4 □ Song Name being displayed Song Name being displayed Song Name*4 About "Text" Folder Name*3 File Name Album Name*4 Song Name*4 Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as "text". Folder No./File No.

Elapsed Time Notes • Some characters may not be displayed correctly with this device, depending on the character type. • The CD changer must also be CD Text compatible for the Text information to be displayed. • If there is no TEXT information, the display is blank. • The text or tag information may not be correctly displayed, depending on the contents. (Blank) The display in BLUETOOTH Audio mode: BT A Playtime (Blank) *5 Displaying Time Press VIEW repeatedly until the time is displayed.

Each press changes the display. For details, refer to "Displaying the Text" on page 20. Calendar Clock *5 Artist Name*4 Song Name*4 Album Name*4 Song Name*4 BT A Playtime Note • Selecting any tuner or CD function while in the clock priority mode will interrupt the time display momentarily. The function selected will be displayed for about 5 seconds before the time returns to the display. *1 Press and hold VIEW for at least 2 seconds if PS is displayed in the radio mode, frequency will be displayed for 5 seconds. *2 Displayed during playback of a disc with CD Text. If there is no text information, nothing will be displayed. *3 The root folder of disc/USB Memory is displayed as "\ROOT". If there is no text information, nothing will be displayed. *4 If an MP3/WMA/AAC file contains ID3 tag/WMA tag information, the ID3 tag/WMA tag information is displayed (e.

g., song name, artist name, and album name). All other tag data is ignored. If there is no text information, nothing will be displayed. *5 When the Text Scroll (refer to "Scroll Setting (Text Scroll)" on page 25) is set to "Auto", the display cannot be switched by pressing VIEW. The display contents switch alternately. 21-EN SETUP 4 SOURCE/□ Rotary encoder □ /ENTER *10 Refer to "Turning AF (Alternative Frequencies) ON/OFF" on page 12. *11 Refer to "Priority News" on page 14. Turn the Rotary encoder to change the setting, and then press □□ENTER. (e.

g. Select Power IC ON or Power IC OFF) SETUP 5 Press and hold SETUP for at least 2 seconds to return to normal mode. Notes • Pressing □ returns to the previous SETUP mode. • If no operation is performed for 60 seconds, SETUP is cancelled. General Setting BAND 1 □ □ 2 General is selected on the setup main menu in step 2.



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