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You can read the recommendations in the user guide, the technical guide or the installation guide for ALPINE CDE-102RI. You'll find the answers to all your questions on the ALPINE CDE-102RI in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ALPINE CDE-102RI
User guide ALPINE CDE-102RI
Operating instructions ALPINE CDE-102RI
Instructions for use ALPINE CDE-102RI
Instruction manual ALPINE CDE-102RI

FOR CAR USE ONLY/NUR FÜR AUTOMOBIL GEBRAUCH/POUR APLICATION AUTOMOBILE INQUIEMENT/PARA USO EN AUTOMÓVILES/SOLO PER L'UTILIZZO IN AUTOMOBILE/ENDAST FÖR BILBRUK/ALLEN VOOR GEBRUIK IN DE AUTO/ТОЛЬКО ДЛЯ ИСПОЛЬЗОВАНИЯ В АВТОМОБИЛЯХ/DO UŽYVANIA TYLKO W SAMOCHODZIE/ΓΙΑ ΧΡΗΣΗ ΜΟΝΟ ΣΕ ΑΥΤΟΚΙΝΗΤΟ

MP3/WMA/AAC CD Receiver
CDE-103BT/CDE-104BTi

R-D-S EON MP3 COMPACT disc DIGITAL AUDIO CD Made for iPod Works with iPhone USB PLAYBACK

AAC Front Bluetooth iPhone Cable Included (CDE-104BTi only)

MP3/WMA/AAC CD Receiver
CDE-102Ri

R-D-S EON MP3 COMPACT disc DIGITAL AUDIO CD Made for iPod Works with iPhone USB PLAYBACK

AAC Front iPhone Cable Bluetooth Ready

MP3 CD Receiver
CDE-101R/CDE-101RM

R-D-S EON MP3 COMPACT disc DIGITAL AUDIO CD Made for iPod Works with iPhone

USB PLAYBACK Front Bluetooth Ready

- OWNER'S 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
Léalo antes de utilizar este equipo.
- ISTRUZIONI PER L'USO
Si prega di leggere prima di utilizzare il attrezzatura.
- ANVÆNDELSESBEDNING
Læs den anførte instruktions før du kører igennem denne anordningsindstilling.
- GEBRUIKERSHANDLEIDING
Lees deze aanwijzingen aandachtig afvoers dit toestel te gebruiken.
- РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ
Прочтите инструкцию внимательно перед использованием устройства.
- INSTRUKCJA OBSŁUGI
Przejdźmy uwagę się z instrukcją przed rozpoczęciem do użytkowania urządzenia.
- ΕΓΧΕΙΡΙΔΙΟ ΧΡΗΣΗΣ
Επισκεφτείτε το σημείο πριν χρησιμοποιήσετε τη συσκευή.

EN
DE
FR
ES
IT
SE
NL
RU
PL
GR

Designed by ALPINE JAPAN
68-005027-1-B



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Manual abstract:

· ANVÄNDARHANDLEDNING Innan du använder utrustningen bör du läsa igenom denna användarhandledning. · GEBRUIKERSHANDLEIDING Lees deze aanwijzingen aandachtig alvorens dit toestel te gebruiken. · · INSTRUKCJA OBSLUGI Prosimy zapozna si z t instrukcj przed przystapieniem do uytkowania urzdzenia. · · Designed by ALPINE Japan 68-09359Z74-B PL GR ALPINE ELECTRONICS MARKETING, INC. @@ 19145 Gramercy Place, Torrance, California 90501, U.S.A. @@@@LTD.

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Contents Operating Instructions WARNING WARNING ...

.....

.....

.....

.....

.....

.....

. 3 CAUTION

.....

.....

.....

.....

.....

..... 3 PRECAUTIONS

.....

.....

.....

.....

.....

. 3 Quick Search

.....

.....

.....

.....

.....

..... 13 About MP3/WMA/AAC ...

.....

.....

.....

.....

14 Sound Setting Adjusting Subwoofer Level/Bass Level/Treble Level/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat

.....

..... 15 Setting the Bass Control

.....

.....

.....

..... 16 Setting the Treble Control ..

.....

.....

.....

..... 16 Adjusting the High Pass Filter .

.....

.....

.....

... 16 Turning Loudness On/Off

.....
.....
.....
.... 16 Getting Started Accessory List

.....
.....
.....

.....
.... 7 Turning Power On and Off .
.....
.....

.....
.....
7 Detaching and Attaching the Front Panel

... 7 Initial System Start-Up

.....
.....
.....

7 Adjusting Volume

.....
.....
.....

8 Setting the Dimmer Control (CDE-102Ri/ CDE-103BT/CDE-104BTi only)

.....
.....
.....

... 8 Other Functions Displaying the Text

.....
.....
.....

.... 17 Using the Front AUX Input Terminal (CDE-102Ri/CDE-103BT/CDE-104BTi only) .

...18 SETUP Bluetooth Setting Setting the Bluetooth Connection (BT IN) ..

....19 Radio Listening to Radio

.....
.....
.....

..... 8 Presetting Stations Manually ..

.....
.....
.....

..... 9 Presetting Stations Automatically

.....
.....
.....

..... 9 Tuning to Preset Stations

.....
.....
.....

9 Sound Customizing Adjusting Source Signal Levels

.....
.....
.....
...19 Subwoofer On and Off

.....
.....
.....
.....

19 Setting the Subwoofer System

.....
.....

.....19 Visual Customizing Changing Lighting Colour (CDE-102Ri/CDE-103BT only)

.....
....19 Scroll Type Setting .

.....
.....

.....
.....19 Scroll Setting (TEXT SCR) ...

.....
.....

.....19 Demonstration ...

.....
.....

.....
.....

.....
.....

..19 RDS Setting RDS Reception Mode and Receiving RDS Stations ...

.....
.....

.....
.....

.....
.....

..... 9 Recalling Preset RDS Stations

.....
.....

..... 10 Receiving RDS Regional (Local) Stations .

.... 10 PI SEEK Setting

.....
.....
.....

.....
.....

.... 10 Receiving Traffic Information .

.....
.....

... 10 Receiving Traffic Information While Playing CD or Radio ..

.....
.....

.....
.....

.....
.....

.....

. 11 Displaying Radio Text

.....
.....
.....

..... 11 MP3/WMA/AAC Playing MP3 Data (PLAY MODE) ...

.....
.....

.....20 External Device Turning Mute Mode On/Off (INT MUTE)

.20 Connecting to an External Amplifier (POWER IC)

.....
.....
.....

.....
.....
.....

20 Setting the AUX+ SETUP Mode

.....
.....

.20 Setting the AUX NAME mode (CDE-102Ri/ CDE-103BT/CDE-104BTi only)

.....

.....20 CD/MP3/WMA/AAC Playback .

.....
.....
.....
.....

.....
.....
.....

..... 11 Repeat Play

.....
.....
.....
.....

.....
.....

.... 12 M.

I.X. (Random Play)

.....
.....
.....

..... 12 Searching for CD Text ..

.....
.....
.....
.....

.... 13 File/Folder Name Search (concerning MP3/WMA/AAC)

.....
.....

.. 13 1-EN BLUETOOTH (CDE-103BT/ CDE-104BTi only) Setup Before Using

.....
.....
.....
.....

... 21 About Bluetooth

.....
.....
.....

.....
.....

21 Before Using Hands-Free Function

..... 21 How to connect to a Bluetooth compatible device (Pairing) ...

.....
.....
.....
.....

..... 21 Bluetooth SETUP ...

.....
.....
.....

.....
.....
.....

21 Bluetooth Setup Operation

.....
.....

. 21 Setting the Bluetooth Device

.....

... 22 Setting the Search Mode ..

.....
.....

.. 22 Setting the Received Calls automatically (Auto Answer) ...

.....

.....
.....
.....
.....

... 22 Deleting a Bluetooth Device from the list

22 Displaying the phone service provider name ... 22 Adjusting the volume for the microphone input ..

.....
.....

.....
.....
.....
.....

.... 22 Selecting the output speaker .

.....
.....

.. 22 Displaying the firmware version ...

.....
.....

.... 22 Updating the firmware

.....

.....
.....
.....
.....

....28 *Displaying the Text*

.....
.....
.....

.....
.....
28 *Hands-Free Phone Control*

.....
.....

.... 23 *About the Hands-Free Phone* .

.....
.....

..... 23 *Answering a Call*

.....
.....
.....

.. 23 *Hanging up the Telephone* ...

.....
.....

.... 23 *Redial Function* .

.....
.....

..... 23 *Calling* ...

.....
.....
.....
.....

.... 23 *Redialing a Number In Outgoing History*

.. 23 *Dialing a Number In Incoming History*

... 23 *Dialing a Number In Incoming Missed Call History* ..

.....
.....

.....
.....
.....

.. 23 *Dialing a Number In The Phone Book*

.....
.....

... 24 *Information In Case of Difficulty*

.....

.....
.....
.....

...29 Specifications

.....
.....
.....

.....
.....
.....

...32 Installation and Connections Warning

.....
.....
.....

....33 Caution .

.....
.....

.....
.....
.....

.....33 Precautions

.....
.....
.....

.....
.....

....33 Installation .

.....

.....
.....
.....

....34 Mounting the Microphone (CDE-103BT/CDE-104BTi only) .

.....
.....

35 Connections

.....
.....
.....

.....
.....
.....

...36 Voice Dial Operation

.....
.....
.....
.....

. 24 Adjusting the volume when receiving a Call

.....
.....

Return it to your Alpine dealer or the nearest Alpine Service Station for servicing. USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES. Failure to do so may result in fire or electric shock. 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. 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. 3-EN 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. 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 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. Do not write on the disc. CORRECT Inserting Discs Your player accepts only one disc at a time for playback. Do not attempt, correct performance cannot be guaranteed. You can play CD-Rs (CD-Recordables)/CD-RWs (CDReWritable) which have been recorded only on audio devices. You can also play CD-Rs/CD-RWs containing MP3 formatted audio files. · Some of the following CDs may not play on this unit: Flawed CDs, CDs with fingerprints, CDs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), CDs recorded under unstable conditions, CDs on which a recording failed or a re-recording was attempted, copy-protected CDs which do not conform to the audio CD industry standard.

· Use discs with MP3 files written in a format compatible with this unit. For details, see pages 14-15. · ROM data other than audio files contained in a disc will not produce sound wthe front panel pops out. Grasp the left side of the front panel and pull it out. FUNC.

/SETUP 6/DIMMER * The illustrator is for CDE-104BTi. Accessory List · Head unit

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..1 · Power cable

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....1 · FULL SPEEDTM Connection Cable (CDE-102Ri/ CDE-104BTi only).

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....1 · Microphone (4m) (CDE-103BT/CDE-104BTi only) .

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.....1 · Mounting sleeve.....

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1 · Carrying case

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.....1 · Rubber Cap .

.1 · Hex Bolt

.....1 · Screw (M5 × 8).

..4 · Owner's Manual ...

1 set · 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.

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. Turning Power On and Off Press SOURCE/ to turn on the unit. and · The unit can be turned on by pressing any other button except (Release). Press and hold SOURCE/ turn off the unit. for at least 2 seconds to · 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. · The first time power is turned on, the volume will start from level 12. 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. 1 2 3 Turn off the unit power.

Remove the detachable front panel. Press RESET with a ballpoint pen or similar pointed object. RESET switch 7-EN Adjusting Volume Turn the Rotary encoder until the desired sound is obtained. Connectable to Steering Remote Control Interface Box Radio SOURCE/ BAND/TA FUNC./SETUP You can

operate this unit from the vehicle's control unit when an Alpine Steering Remote Control Interface Box (optional) is connected. For details, contact your Alpine dealer. Setting the Dimmer Control (CDE-102Ri/ CDE-103BT/CDE-104BTi only) TUNE/A.ME Preset buttons (1 through 6) 1 2 * The illustrator is for CDE-104BTi. Press FUNC./SETUP so that the lights up.

indicator Press 6/DIMMER repeatedly to select the DIMMER mode. DIMMER-A (Auto mode) DIMMER-A DIMMER ON DIMMER OFF Listening to Radio 1 2 3 Press SOURCE/ to select TUNER mode. DIMMER-A 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. Press BAND/TA repeatedly until the desired radio band is displayed. F1 (FM1) F2 (FM2) F3 (FM3) MW LW F1 (FM1) Press TUNE/A.ME to select the tuning mode. DX SEEK (Distance mode) SEEK (Local mode) OFF (Manual mode) DX SEEK · 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). 3 Press FUNC./SETUP to activate the normal mode. The indicator goes out. · Operate the unit while the indicator lights up. If no operation is performed for 10 seconds, the indicator goes out. ·

The function is inoperable when the ILLUMINATI is set to other than TYPE1 for CDE-102Ri/CDE-103BT, refer to "Changing Lighting Colour (CDE-102Ri/CDE-103BT only)" on page 19. 4 Press Holding down continuously.

or or to tune in the desired station. will change the frequency 8-EN Presetting Stations Manually RDS Rotary encoder BAND/TA FUNC./SETUP 1 2 Select the radio band and tune in a desired radio station you wish to store in the preset memory. 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 selected station is stored. The display shows the band, preset number and station frequency memorized. · 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. · If the indicator is illuminated, turn off the indicator by pressing FUNC./SETUP, and then you can perform the operation.

//SOUND /ENT 1 /AF VIEW * The illustrator is for CDE-104BTi.



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Presetting Stations Automatically Setting RDS Reception Mode and Receiving RDS Stations 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. 1 2 Press BAND/TA 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. 1 2 3 4 5 Press FUNC./SETUP so that the lights up. Press 1 Press station. Press 1 indicator /AF to activate the RDS mode. or to tune in the desired RDS · If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began. /AF again to deactivate the RDS mode. Tuning to Preset Stations Press FUNC./SETUP to activate the normal mode. The indicator goes out.

1 2 Press BAND/TA repeatedly until the desired band is displayed. 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. · Operate the unit while the indicator lights up. If no operation is performed for 10 seconds, the indicator goes out. The RDS digital data includes the following: PI Programme Identification PS Programme Service Name AF List of Alternative Frequencies TP Traffic Programme TA Traffic Announcement EON Enhanced Other Networks · If the indicator is illuminated, turn off the indicator by pressing FUNC./SETUP, and then you can perform the operation. 9-EN Recalling Preset RDS Stations PI SEEK Setting indicator 1 2 3 4 Press FUNC./SETUP so that the lights up. Press 1 1 2 3 4 Press and hold FUNC.

/SETUP for at least 2 seconds to activate the SETUP mode. Turn the Rotary encoder to select the PI SEEK mode, and then press /ENT. Turn the Rotary encoder to select ON or OFF. Press and hold FUNC./SETUP for at least 2 seconds to return to normal mode.

/AF to activate the RDS mode. Press FUNC./SETUP to activate the normal mode. The indicator goes out. Make sure that the indicator light goes out, then press the preset button in which your desired RDS station is preset.

If the preset station's signal is weak, the unit automatically searches and tunes to a stronger station in the AF (Alternative Frequencies) list. · Press /SOUND to return to the previous mode. · If no operation is performed for 60 seconds, the unit will return to normal mode automatically. 5 If the preset station and the stations in the AF list cannot be received: When the PI SEEK setting is on (refer to "PI SEEK Setting" on page 10), the unit searches again for a station in the PI (Programme Identification) list. If there are still no stations receivable in the area, the unit displays the frequency of the preset station and the preset number disappears. If the signal level of the Regional (Local) station being tuned becomes too weak to receive, press the same preset button to tune in a Regional station in other district. 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 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 "TRF-INFO" for 5 seconds. When the traffic information broadcast is over, the unit will automatically set in the standby mode. · For presetting the RDS stations, refer to the Radio Operation section. The RDS stations can be preset in the F1, F2 and F3 bands only. · Operate the unit while the indicator lights up. If no operation is performed for 10 seconds, the indicator goes out. Receiving RDS Regional (Local) Stations 1 2 3 4 Press and hold FUNC./SETUP for at least 2 seconds to activate the SETUP mode. Turn the Rotary encoder to select the REGIONAL mode, and then press /ENT.

Turn the Rotary encoder to select ON or OFF. In the OFF mode, the unit automatically keeps receiving the related local RDS station. · 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. · 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. Press and hold FUNC./SETUP for at least 2 seconds to return to normal mode. · Press /SOUND to return to the previous mode.

· If no operation is performed for 60 seconds, the unit will return to normal mode automatically. 10-EN Receiving Traffic Information While Playing CD or Radio CD/MP3/WMA/AAC Rotary encoder SOURCE/ 1 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. /AF 2 45 /ESC / /SOUND VIEW /ENT When traffic information stations cannot be received: * The illustrator is for CDE-104BTi. In the CD mode: When the TP signal can no longer be received, the traffic information station of another frequency will be selected automatically. · 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.

Playback The following table shows which discs can be played on which models. CD CDE-101R CDE-101RM CDE-102Ri CDE-103BT CDE-104BTi CD-TEXT MP3 WMA AAC 3 Press and hold BAND/TA for at least 2 seconds to deactivate the Traffic Information mode.



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The "TA" indicator goes out. Displaying Radio 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. If there is PS (Programme Service Name): PS (Programme Service Name)* RADIO TEXT PS (Programme Service Name) * If VIEW is pressed and held for at least 2 seconds while displaying PS in the radio mode, frequency will be displayed for 5 seconds. If there is no PS (Programme Service Name): FREQUENCY RADIO TEXT FREQUENCY The display shows "WAITING" for a few seconds, then starts scrolling the text message. · If there is no receivable text message or the unit cannot receive a text message properly, the display shows "NO TEXT". 11-EN 1 Insert a disc with the label side facing up.

The disc will be pulled into the unit automatically, and the " " indicator lights up. MP3/WMA/AAC Play Display The folder number and file number will be displayed as described below. F101 T103 Folder number display File number display When a disc is already inserted, press SOURCE/ switch to the DISC mode. to The mode will change every time the button is pressed. TUNER DISC BT AUDIO*3 USB AUDIO iPod*1/AUX+*2 AUX*4 TUNER · Press VIEW to switch the display.

See "Displaying the Text" (page 17) for information about display switching. *1 Only when the iPhone/iPod is connected and AUX+ SETUP is set to OFF, refer to "Setting the AUX+ SETUP Mode" (page 20). *2 Displayed only when AUX+ SETUP is set to ON, refer to "Setting the AUX+ SETUP Mode" (page 20). *3 Only for CDE-101R/CDE-101RM/CDE-102Ri and BT IN is set to BT ADAPTER. Refer to "Bluetooth Setting" (page 19).

*4 Refer to "Using the Front AUX Input Terminal (CDE-102Ri/CDE103BT/CDE-104BTi only)" (page 18). Repeat Play Press played. Press CD mode : 4 to play back repeatedly the track being The track (file) will be played repeatedly. 4 again and select off to deactivate repeat play. 2 3 While playing back MP3/WMA/AAC, press 1 2 to select the desired folder. Pressing and holding 1 continuously. /AF or /AF or : Only a track is repeatedly played back. 2 will change folders MP3/WMA/AAC mode : Press or to select the desired track (file). Returning to the beginning of the current track (file): Press . Fast backward: Press and hold .

: Only a file is repeatedly played back. : Only files in a folder are repeatedly played back. Advancing to the beginning of the next track (file): Press . Fast forward: Press and hold . 4 5 To pause playback, press Pressing //ENT. M.I.X. (Random Play) Press 5 in the play or pause mode. The tracks (files) on the disc will be played back in random sequence.

To cancel M.I.X. play, press 5 CD mode : again. /ENT again will resume playback.

To eject the disc, press . · 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. · If the CD does not eject, press and hold for at least 2 seconds.

· The " " indicator lights up when a disc is inserted. · Three-inch (8cm) CDs can not be used. CDE-101R/CDE-101RM (compatible with MP3)/CDE-102Ri/CDE-103BT/CDE-104BTi (compatible with MP3/WMA/ AAC): · The CD-player can play discs containing audio data, MP3 data, WMA data and AAC data. · WMA format files that are protected by DRM (Digital Rights Management), AAC format files that have been purchased from the iTunes Store and files that are copy-protected (copyright 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. : The tracks are played back in random sequence. 12-EN MP3/WMA/AAC mode : : Only files in a folder are played back in random sequence. * : The files are played back in random sequence. Folder Name Search mode 3 4 Turn the Rotary encoder to select the desired folder.

Press and hold //ENT for at least 2 seconds to play back the first file in the selected folder. * In the USB mode, all files stored in the USB memory are played back " indicator lights up. in random sequence, and the " 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. · Press and hold /ESC for at least 2 seconds in the search mode to cancel. Or, the search mode is cancelled if no operation is performed for 10 seconds. · To search for files in the Folder Name Search mode, press //ENT. Files in the folder may be searched. · Press /SOUND to exit Folder Name Search mode in step 3 in order to select File Name Search mode. · The root folder is displayed as " ".

· When Folder Name Search is made during M.I.X. play, the M.I.

X. play mode will be cancelled. File Name Search mode 1 2 Press /ESC during play. " indicator lights This will set the search mode, and the " up. 3 4 5 Press 1 /AF or 2 to select another Folder.

Select the desired file by turning the Rotary encoder. Press //ENT to play back the selected file. Turn the Rotary encoder to select the desired track, and then press //ENT. This will play the selected track. · Press and hold /ESC for at least 2 seconds in the search mode to cancel. Or, the search mode is cancelled if no operation is performed for 10 seconds. · When CD Text Search is made during M.I.X. play, the M.

I.X. play mode will be cancelled. · Press and hold /ESC for at least 2 seconds in the search mode to cancel. Or, the search mode is cancelled if no operation is performed for 10 seconds. · Press /SOUND 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. File/Folder Name Search (concerning MP3/WMA/AAC) Folder and file names may be searched and displayed during playback. Quick Search You can search for tracks (files).

1 2 1 2 During MP3/WMA/AAC playback, press activate the search mode. The " " indicator lights up. /ESC to Press and hold /ESC for at least 2 seconds in the CD/MP3/WMA/AAC mode to activate Quick Search mode. The " " indicator lights up. Turn the Rotary encoder to select Folder Name Search mode or File Name Search mode, and then press //ENT.

Turn the Rotary encoder to select a desired track (file). The selected track is played back immediately. · Press and hold /ESC for at least 2 seconds in the search mode to cancel. Or, the search mode is cancelled if no operation is performed for 10 seconds.



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13-EN About MP3/WMA/AAC CAUTION Supported playback sampling rates and bit rates MP3 Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz Bit rates: 8 - 320 kbps WMA Sampling rates: 48 kHz, 44.1 kHz, 32 kHz Bit rates: 48 - 192 kbps AAC Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.

05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz Bit rates: 16 - 320 kbps This device may not play back correctly depending on sampling rates. ID3 tags/WMA tags This device supports ID3 tag v1 and v2, and WMA 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 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. Producing MP3/WMA/AAC discs MP3/WMA/AAC files are prepared, then written to a CD-R or CD-RW using CD-R writing software. A disc can hold up to 510 files/folders (including Root Folders), and the maximum number of folders is 255.

Playback may not be performed if a disc exceeds the limitations described above. Media supported The media that this device can play back are CD-ROMs, CD-Rs, and CD-RWs. 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,

, are not displayed correctly. Formats supported This device supports CD-ROW 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. 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-1 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. What is WMA? WMA, or "Windows Media™ Audio," is compressed audio data.

WMA is similar to MP3 audio data and can achieve CD quality sound with small file sizes. 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. 7.1, 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. 14-EN 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. Sound Setting BAND/TA Rotary encoder (AUDIO/LOUD) SOURCE/ Root folder /SOUND /ESC * The illustrator is for CDE-104BTi.

Adjusting Subwoofer Level/Bass Level/ Treble Level/Balance (Between Left and Right)/Fader (Between Front and Rear)/ Defeat 1 Folder MP3/WMA/AAC File Press Rotary encoder (AUDIO) repeatedly to choose the desired mode.

Each press changes the mode as follows: SUBWOOFER* BASS LEVEL TRE LEVEL BALANCE FADER DEFEAT VOLUME SUBWOOFER Subwoofer: +0 ~ +15 Bass level: 7 ~ +7 Treble level: 7 ~ +7 Balance: L15 ~ R15 Fader: R15 ~ F15 Defeat: ON/OFF Volume: 0 ~ 35 * The folder No./ folder Name will not be displayed if no file is contained in the folder. 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 · If no operation is performed for 5 seconds after selecting the SUBWOOFER, BASS LEVEL, TRE LEVEL, BALANCE, FADER or DEFEAT mode, the unit automatically returns to normal mode. * When the subwoofer mode is set to OFF, its level cannot be adjusted.

2 Turn the Rotary encoder until the desired sound is obtained in each mode. By setting DEFEAT ON, previously adjusted settings of BASS LEVEL and TRE LEVEL will return to the factory defaults. 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. 15-EN Setting the Bass Control You can change the Bass Frequency emphasis to create your own tonal preference. Setting the Treble Centre Frequency 2-1 Press BAND/TA to select the desired treble centre frequency.

10.0 kHz 12.5 kHz 15.0 kHz 17.5 kHz 10.

0 kHz 1 Press mode. BASS /SOUND repeatedly to select the BASS TREBLE HPF BASS Emphasises the displayed treble frequency ranges. Setting the Treble Level Setting the Bass Centre Frequency 2-2* Turn the Rotary encoder to select the desired 2 2-1 Press BAND/TA to select the desired bass centre frequency.



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80 Hz 100 Hz 200 Hz 60 Hz 80 Hz treble level (7~+7). You can emphasise the treble level.

3 Press and hold /ESC for at least 2 seconds to return to normal mode. Emphasises the displayed bass frequency ranges. Setting the Bass Bandwidth 2-2 Press SOURCE/ bandwidth. to select the desired bass · If no operation is performed for 15 seconds, the unit will return to normal mode automatically. · The treble level settings will be individually memorized for each source (FM, MW (LW), CD, etc.) until the setting is changed. The Treble frequency settings adjusted for one source are effective for all other sources (FM, MW (LW), CD, etc.). · The function is inoperable when DEFEAT is set to ON. *2 The adjustment can also be made by pressing Rotary encoder.

Refer to "Adjusting Subwoofer Level/Bass Level/Treble Level/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat" (page 15). Changes the boosted bass bandwidth to wide or narrow. A wider setting will boost a wide range of frequencies above and below the centre frequency. A narrower setting will boost only frequencies near the centre frequency. Adjusting the High Pass Filter The High Pass Filter on this unit can be adjusted to suit your personal taste. Setting the Bass Level 2-3* Turn the Rotary encoder to select the desired 1 bass level (7~+7). You can emphasise or weaken the bass level. 1 2 Press mode. BASS /SOUND repeatedly to select the HPF TREBLE HPF BASS 3 Press and hold /ESC for at least 2 seconds to return to normal mode. · If no operation is performed for 15 seconds, the unit will return to normal mode automatically.

· The bass level settings will be individually memorized for each source (FM, MW (LW), CD, etc.) until the setting is changed. The bass frequency and bass bandwidth settings adjusted for one source are effective for all other sources (FM, MW (LW), CD, etc.). · The function is inoperable when DEFEAT is set to ON.

*1 The adjustment can also be made by pressing Rotary encoder. Refer to "Adjusting Subwoofer Level/Bass Level/Treble Level/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat" (page 15). Turn the Rotary encoder to select the desired HPF frequency. OFF 60 Hz 80 Hz 100 Hz All frequencies above the selected cutoff are output. 3 Press and hold /ESC for at least 2 seconds to return to normal mode.

· If no operation is performed for 15 seconds, the unit will return to normal mode automatically. · The function is inoperable when DEFEAT is set to ON. Setting the Treble Control You can change the Treble Frequency emphasis to create your own tonal preference. Turning Loudness On/Off Loudness introduces a special low-and high-frequency emphasis at low listening levels. This compensates for the ear's decreased sensitivity to bass and treble sound. 1 Press mode. BASS /SOUND repeatedly to select the TREBLE TREBLE HPF BASS Press and hold Rotary encoder (LOUD) for at least 2 seconds to activate or deactivate the loudness mode. · The function is inoperable when DEFEAT is set to ON. 16-EN Other Functions SOURCE/ The display in BT AUDIO mode (CDE-101R/CDE-101RM/ CDE-102Ri only): The Following display will be shown only when a telephone or Bluetooth Streaming device with Metadata capabilities is correctly connected with a Bluetooth INTERFACE (Alpine KCE-400BT) (Sold Separately). (For details on Bluetooth INTERFACE, refer to the Owner's Manual of KCE-400BT).

BT A/ELAPSED TIME ARTIST NAME*3 ALBUM NAME*3 SONG NAME*3 BT A/ELAPSED TIME VIEW * The illustrator is for CDE-104BTi. *1 If VIEW is pressed and held for at least 2 seconds in the PS display mode, frequency will be displayed for 5 seconds. *2 Displayed during playback of a disc with CD text. *3 ID3 tag/WMA tag 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. 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.

About the indication display When displaying Text, the following indicators are lit according to the mode. MP3/WMA/AAC/ USB AUDIO Mode Folder Name*2 being displayed iPhone/iPod/ BT AUDIO*4 Mode Press VIEW. The display will change every time the button is pressed. · When the TEXT SCR is set to SCR MANU, 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) PS (Programme Service Name)*1 PS (Programme Service Name) RADIO TEXT Indicator/ Mode CD Mode Text (Disc Name*3) being displayed Text (Track Name*3) being displayed Artist Name*1 Artist Name*1 being displayed being displayed Album Name*1 Album Name*1 being displayed being displayed If there is no PS (Programme Service Name) FREQUENCY RADIO TEXT FREQUENCY The display in CD mode: TRACK NO.

/ELAPSED TIME TEXT (DISC NAME)*2 TEXT (TRACK NAME)*2 TRACK NO./ELAPSED TIME The display in MP3/WMA/AAC mode: FILE NO./ELAPSED TIME FOLDER NO./FILE NO. FOLDER NAME FILE NAME ARTIST NAME*3 ALBUM NAME*3 SONG NAME*3 FILE NO.

/ELAPSED TIME Song Name*1 / Song Name*1 File Name being being displayed displayed *1 Tag information If there is no tag information, "ARTIST"/"ALBUM"/"SONG" is displayed. 2 The root folder of disc is displayed as "FOLDER". The root folder of * USB memory is displayed as "ROOT". *3 If there is no Text (Disc Name or Track Name), "DISC TEXT"/ "TRACK TEXT" is displayed. *4 CDE-101R/CDE-101RM/CDE-102Ri only. About "Text" Text: Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as "text". · Some characters may not be displayed correctly with this device, depending on the character type. · "NO SUPPORT" is displayed when the desired text information cannot be displayed on this unit. · The text or tag information may not be correctly displayed, depending on the contents.

17-EN Using the Front AUX Input Terminal (CDE-102Ri/CDE-103BT/CDE-104BTi only) Connect a portable music player, etc. by simply connecting it to the input on the front panel. An optional adapter cable is required (standard RCA to 3.5φ mini-phono plug or 3.5φ to 3.5φ mini phono plug). SETUP You can flexibly customize the unit to suit your own preferences and usage. From the SETUP menu, Sound Customizing, Visual Customizing, etc., can be modified.

Rotary encoder (AUDIO) FUNC.

/SETUP SOURCE/ Press SOURCE/, and select the AUX mode to listen to the portable device.



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· The setting cannot be adjusted during a phone call. Adjust the setting before placing a call.

Selecting the output speaker You can select the connected speaker in car to output the sound signal of telephone. Setting item : SPEAKER SL ALL: F-L: F-R: The sound be output from all of speakers in car. The sound only be output from the front left speaker. The sound only be output from the front right speaker. The sound be output from the front left and front right speaker.

Setting the Search Mode You can set whether this unit can be recognised or not from a Bluetooth compatible device. Normally set this to VISI M ON. Setting item: VISIBLE M VISI M ON: VISI M OFF: Enable recognition of this unit from the Bluetooth compatible device. @@@@ @@@@ @@@@ @@@@ @@@@ · Close the windows while calling to reduce background noise. @@@@ @@@@ · Certain mobile phone features are dependent on the capabilities and settings of your service provider's network.

Additionally, certain features may not be activated by your service provider, and/or the provider's network settings may limit the feature's functionality. Always contact your service provider about feature availability and functionality. All features, functionality, and other product specifications, as well as the information contained in the Owner's Manual are based upon the latest available information and are believed to be accurate at the time of printing. Alpine reserves the right to change or modify any information or specifications without notice or obligation. Calling Call History is recorded for the last dialed/received/missed calls. There are various ways of making calls based on the "Calling". The following steps 1 to 5 are common to the various ways of making these calls. For details, refer to each individual category for making calls. 1 2 Press . The outgoing method list is displayed.

Turn the Rotary encoder to select the outgoing mode. : DIALED / RECEIVED / MISSED / PHONE BOOK DIALED : Dialed history RECEIVED : Received history MISSED : Missed incoming history PHONE BOOK : Mobile phonebook Setting items 3 Press / /ENT. The outgoing mode is activated, and each mode list is displayed. · It may take some time for the list to be displayed, and also directly after connection, the list may not be brought up to date. 4 Turn the Rotary encoder to select a name or a telephone number from the list. Answering a Call Incoming calls are announced by the received call ring tone and a displayed message (PHONE). · The names of PHONE BOOK are listed alphabetically with the same beginning alphabetical character, and can be skipped to the next 2. alphabetical character by pressing 1 /AF or e.g. press 2 to the section beginning with alphabet B from A.

5 Press / /ENT. The selected telephone will be called. If one name has several numbers registered in the telephone //ENT after selecting the name*, then turn the book, press Rotary encoder to choose the desired number and press / /ENT, the telephone will be called. Press and hold / /ENT for at least 2 seconds after selecting the name, the default number of the name will be called. Depending on the connected mobile phone, this function may not be performed.

Press . The call starts. · When "Setting the Received Calls automatically (Auto Answer)" (page 22) is set to AT ANS ON, you can receive a call automatically.

While calling, the source sound on the unit is muted. After calling, playback will resume.

* If the name cannot be recognized, default number will be displayed. Hanging up the Telephone Press and hold The call finishes. for at least 2 seconds. for · While receiving you can also hang up by pressing and holding at least 2 seconds. · The names registered in the telephone book are displayed. If the name is not registered, a number is displayed. If both name and number cannot be displayed, "ID UNSENT" will be displayed. · If you place a call directly from the paired mobile phone, the phone number is not displayed, you cannot redial from the unit in this case. Redialing a Number In Outgoing History Previously dialed telephone numbers are stored in dialed calls history. You can redial a number by searching from dialed calls history.

Setting item: DIALED Redial Function You can redial the person you have previously called. After finishing a call "-----" will be displayed, press within 5 seconds. The telephone is redialed. Dialing a Number In Incoming History Telephone numbers from received calls are stored in the Received List. You can redial these numbers by searching here. Setting item: RECEIVED · If you receive a call from an unknown number, you cannot use the redial function to call back. Dialing a Number In Incoming Missed Call History Telephone numbers for received calls that are missed, are stored in the Missed List. You can redial these numbers by searching here. Setting item: MISSED 23-EN Dialing a Number In The Phone Book Up to 1,000 telephone numbers are downloadable from a mobile phone. Dial a call by selecting a person from the phone book list.

Setting item: PHONE BOOK USB memory (Optional) SOURCE/ · If a name cannot be obtained via the phonebook, "-----" is displayed. · The order of the list display depends on the design of the mobile phone. · If the call history or phonebook of the mobile phone is added or deleted while it is connected to the unit, the list displayed on the unit may not be brought up to date. If it is not updated, you cannot correctly place a call. / /ENT Voice Dial Operation You can call the telephone by performing voice operation.

* The illustrator is for CDE-104BTi. 1 2 Press and hold 2 seconds. /VOICE DIAL for at least Controlling USB memory (Optional) A USB memory device may be connected to this unit. With USB memory connected, playback of files on the device is controlled from this unit. · The controls on this unit for USB memory operation are operative only when a USB memory is connected.

The speak mode is activated, and "SPEAK" is displayed. Say the telephone number, name you want to call into the microphone. · You can perform this operation only when a voice dial compatible mobile phone is connected. If the mobile phone is not compatible with the voice dial, "NO SUPPORT" is displayed for 2 seconds. · The Voice Dial function performance depends on the recognition range of the mobile phone and mounting location of the microphone. Note when the microphone is mounted. · Voice dial operation depends on the function of the mobile phone. For details, refer to the Owner's Manual of the mobile phone. · If a called person that you say is not found, "NO CALL" is displayed for 2 seconds. · If you place a call via voice dial, you cannot display a phone number or name.



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Playing MP3/WMA/AAC Files with the USB memory (Optional) If you connect a USB memory containing MP3/WMA/AAC, you can play these files on this unit. The following table shows which files in the USB memory can be played. MP3 WMA AAC Adjusting the volume when receiving a Call While calling, you can adjust the volume. CDE-101R CDE-101RM CDE-102Ri Turn the Rotary encoder to adjust the volume. You may need to increase volume from your regular audio listening source level. However, increasing the volume excessively may result in feedback. If feedback is noticed as feedback is directly related to the volume, turn down the volume as low as acceptable to eliminate it. Positioning the microphone in a direction away from the main car speakers (e.g. clipped on sun visor) may also reduce feedback at high volume.

CDE-103BT CDE-104BTi Call Switching Operation While making a call, this function allows you to initiate the transfer of the audio between the mobile phone and the speakers in the car. While calling, press and hold /ENT for at least 2 seconds to switch the call sound between the unit and mobile phone. Depending on the mobile phone, this operation may not be performed. 24-EN 1 Press SOURCE/ mode. to switch to the USB AUDIO The mode will change every time the button is pressed.

TUNER DISC BT AUDIO*3 USB AUDIO iPod*1/AUX+*2 AUX*4 TUNER About MP3/WMA/AAC File of USB Memory Playing back MP3/WMA/AAC MP3/WMA/AAC files are prepared, then stored to a USB memory. This unit can recognize at least 100 folders and 100 files per folder stored in USB memory. Playback may not be performed if a USB memory exceeds the limitations described above. Do not make a file's playback time more than 1 hour. Media supported This device can play back USB memory.

*1 Only when the iPhone/iPod is connected and AUX+ SETUP is set to OFF, refer to "Setting the AUX+ SETUP Mode" (page 20). *2 Displayed only when AUX+ SETUP is set to ON, refer to "Setting the AUX+ SETUP Mode" (page 20). *3 Only for CDE-101R/CDE-101RM/CDE-102Ri and BT IN is set to BT ADAPTER. Refer to "Bluetooth Setting" (page 19). *4 Refer to "Using the Front AUX Input Terminal (CDE-102Ri/CDE103BT/CDE-104BTi only)" (page 18). 2 To pause playback, press Pressing / /ENT. Corresponding File Systems This device supports FAT 12/16/32 for USB memory device. /ENT again will resume the playback. The root folder is displayed as "ROOT" in the Folder Name Search mode. When a search is made in the USB mode, any song being played back will be stopped.

This unit plays back files in the USB memory with the same controls and modes as playback of CDs containing MP3/WMA/AAC. For details, refer to "CD/MP3/WMA/AAC" on pages 11 to 15. Before disconnecting USB memory, be sure to change to another source or set to pause. The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back. USB memory Connection (Optional) Connect USB memory 1 2 Open the cover of the USB Connection Terminal. Connection the USB memory directly to the USB Connection Terminal, or via the USB cable. This unit USB Connection Terminal USB memory (sold separately) or USB memory (sold separately) Cable (sold separately) Remove USB memory 1 2 Carefully, pull out the USB memory from the USB cable or the USB Connection Terminal. Close the cover of the USB Connection Terminal. Change to a source other than the USB memory mode, then remove the USB memory. If the USB memory is removed in the USB memory mode, data may be damaged.

When removing USB memory, pull it out straight. If sound is not output or USB memory is not recognized even when USB memory is connected, remove USB memory once, and then connection it again. Route the USB cable away from another cables, etc. After removing the USB memory, close the cover of the USB Connection Terminal to prevent dust or foreign objects from entering and causing a malfunction. 25-EN iPhone/iPod (Optional) Rotary encoder SOURCE/ 1 Playback 1 5 4 Press SOURCE/ to switch to the iPod mode.

The mode will change every time the button is pressed. TUNER DISC BT AUDIO*3 6 USB AUDIO iPod*1/AUX+*2 AUX*4 TUNER /AF 2 *1 Only when the iPhone/iPod is connected and AUX+ SETUP is set to OFF, refer to "Setting the AUX+ SETUP Mode" (page 20). *2 Displayed only when AUX+ SETUP is set to ON, refer to "Setting the AUX+ SETUP Mode" (page 20). *3 Only for CDE-101R/CDE-101RM/CDE-102Ri and BT IN is set to BT ADAPTER. Refer to "Bluetooth Setting" (page 19).

*4 Refer to "Using the Front AUX Input Terminal (CDE-102Ri/CDE103BT/CDE-104BTi only)" (page 18). VIEW /ESC /SOUND / /ENT Preset buttons (1 through 6) 2 Press or to select the desired song. Return to the beginning of the current song: Press . Fast backward through current song: Press and hold . Advance to the beginning of the next song: Press . Fast forward through current song: Press and hold . * The illustrator is for CDE-104BTi. An iPhone/iPod can be connected to this unit by using the proprietary ALPINE FULL SPEEDTM Connection Cable (KCE-433iV) (sold separately for CDE-101R/CDE-101RM/CDE-103BT). When this unit is connected by using the cable, the controls on the iPod are not functional. Set AUX+ SETUP to OFF when an iPhone/iPod is connected (refer to "Setting the AUX+ SETUP Mode" on page 20).

If the Bluetooth INTERFACE (KCE-400BT) and an iPhone/iPod are connected at the same time, be sure to disconnect the iPhone/iPod from Bluetooth INTERFACE (KCE-400BT) while turning ACC to OFF. (CDE-101R/CDE-101RM/CDE-102Ri only). If you connect an iPhone to this unit, it can be used as an iPod. If you use iPhone as a hands-free phone, use the unit (CDE-103BT/ CDE-104BTi only) in which the Bluetooth function is built, or use the Bluetooth INTERFACE (KCE-400BT) (sold separately) (CDE-101R/ CDE-101RM/CDE-102Ri only). Internet and telephone functions of iPod touch or iPhone, etc., can also be used when connecting to the unit. However, using these functions will stop or pause the playing songs, at this time do not operate the unit to avoid a malfunction. Do not leave an iPhone/iPod in a car, as its mechanism is sensitive to high temperature and humidity conditions, and damage may result. 3 To pause playback, press Pressing / /ENT. /ENT again will resume playback.

A song playing on the iPhone/iPod while it is connected to this unit will continue to play from where it was paused after disconnection. If you listen to an episode from a selected Podcast or Audiobook, the episode can be changed by pressing 1 /AF or 2. An episode may have several chapters. The chapter can be changed by pressing or . Searching for a desired Song An iPhone/iPod can contain hundreds of songs.



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