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You can read the recommendations in the user guide, the technical guide or the installation guide for PIONEER AVH-P8450BT. You'll find the answers to all your questions on the PIONEER AVH-P8450BT in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PIONEER AVH-P8450BT  
User guide PIONEER AVH-P8450BT  
Operating instructions PIONEER AVH-P8450BT  
Instructions for use PIONEER AVH-P8450BT  
Instruction manual PIONEER AVH-P8450BT

**Pioneer**

**Owner's Manual**

DVD RDS AV RECEIVER

**AVH-P8450BT**



**DIVX**



*English*



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**Manual abstract:**

1 Read this manual fully and carefully before operating your display. 2 Keep this manual handy as a reference for operating procedures and safety information. 3 Pay close attention to all warnings in this manual and follow the instructions carefully. @@@@If you experience difficulty in operating the system or reading the display, park your vehicle in a safe location and make necessary adjustments. 7 Please remember to wear your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled. 8 Never use headphones while driving. 9 To promote safety, certain functions are disabled unless the parking brake is on, and the vehicle is not in motion. 10 Never set the volume of your display so high that you cannot hear outside traffic and emergency vehicles. **WARNING** Do not attempt to install or service your display by yourself.

Installation or servicing of the display by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock or other hazards. To avoid the risk of damage and injury and the potential violation of applicable laws, this unit is not for use with a video screen that is visible to the driver. ! To avoid the risk of accident and the potential violation of applicable laws, no viewing of front seat video should ever occur while the vehicle is being driven. Also, rear displays should not be in a location where they are visibly distracting to the driver. !

In some countries or states the viewing of images on a display inside a vehicle even by persons other than the driver may be illegal.

Where such regulations apply, they must be obeyed and this unit's video features should not be used. When you attempt to watch a video image while driving, the warning "Viewing of front seat video source while driving is strictly prohibited. " will appear on the front display. To watch a video image on the front display, park your vehicle in a safe place and apply the parking brake. 4 En Section Precautions When using a display connected to V OUT Passengers in the rear seat can also watch videos or the TV if you connect this unit to a display using the V OUT.

Turns to its initial condition. We recommend that you transcribe the audio adjustment data. 01 Precautions **WARNING** Do not use with vehicles that do not feature an ACC position. **WARNING NEVER** install the rear display in a location where the driver can watch videos or the TV while driving. When using the rear view camera With an optional rear view camera, this unit can be used as an aid to keep an eye on trailers, or when backing into a tight parking spot. The rear view camera function is to be used as an aid to keep an eye on trailers, or while backing up. Do not use for entertainment purposes. ! Please note that the edges of the rear view camera images may differ slightly according to whether full screen images are displayed when backing up, and whether the images are used for checking the rear when the vehicle is moving forward. To avoid battery exhaustion Keep the vehicle engine running when using this unit to avoid draining the battery power. ! When no power is supplied to this unit, such as when the vehicle battery is being replaced, the microcomputer of this unit re- En

5 Section 02 Before you start About this unit **CAUTION** This product is a class 1 laser product classified under the Safety of laser products, IEC 60825-1:2007, and contains a class 1M laser module.

To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. refer all servicing to qualified personnel. DVD video disc region numbers Only DVD video discs with compatible region numbers can be played on this player. You can find the region number of the player on the bottom of this unit and in this manual (refer to Specifications on page 118). Operating environment This unit should be used within the temperature ranges shown below. Should this product fail to operate properly, please contact your dealer or nearest authorized Pioneer Service Station. Adjusting the response positions of the touch panels (Touch Panel Calibration) If you feel that the touch panel keys on the screen deviate from the actual positions that respond to your touch, adjust the response positions of the touch panel. Refer to Adjusting the response positions of the touch panels (Touch Panel Calibration) on page 78. **CAUTION !** Do not allow this unit to come into contact with liquids. electrical shock could result.

Also, damage to this unit, smoke, and overheating could result from contact with liquids. ! Keep this manual handy for future reference. ! Always keep the volume low enough to hear outside sounds. If the battery is disconnected or discharged, any preset memory will be erased. Use and care of the remote control

Installing the battery Slide the tray on the back of the remote control out and insert the battery with the plus (+) and minus (-) poles aligned properly. ! When using for the first time, pull out the film protruding from the tray. 6 En Section Before you start 02 Before you start **WARNING !** Keep the battery out of the reach of children. Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like. Remove the battery if the remote control is not used for a month or longer. ! There is a danger of explosion if the battery is incorrectly replaced.

Replace only with the same or equivalent type. ! Do not handle the battery with metallic tools. ! Do not store the battery with metallic objects. ! If the battery leaks, wipe the remote control completely clean and install a new battery. ! When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area. Using the remote control Point the remote control in the direction of the front panel to operate. ! The remote control may not function properly in direct sunlight. important ! Do not store the remote control in high temperatures or direct sunlight. ! Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal. En 7 Section 03 What's what

Head unit Part HOME Displaying the HOME display.

The display returns to the Launcher screen while a 3rdparty application is being used in Advanced App Mode. Doubleclicking the icon on the Launcher screen returns the display to the HOME display. When inserting an SD card into the card slot, make sure that the label is facing up and press the card until it clicks and completely locks into place. notes ! When the navigation system is connected, press MODE to switch to the navigation display. press MODE and hold to turn the display off. Press MODE again to turn the display on. ! For details on how to operate a navigation system from this unit, refer to its operation manual.



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When an iPhone that is running an application that supports Advanced App Mode is connected, press MODE to switch to the application display. You can use the application by touching the display. ! About the way to connect the USB portable audio player/USB memory to this unit, refer to When connecting with optional CD-IU201V cable on page 87.

Press to change the fast forward speed. Press to return to the previous track (chapter). Press to go to the next track (chapter). Press to stop playback. If you resume playback, playback will start from the point where you stopped.

Touch the key again to stop playback completely. Press to select the tuner band when tuner is selected as a source. Also used to cancel the control mode of functions. Press to switch between modes when playing from discs or external storage devices(USB, SD) with compressed audio and audio data (CDDA) such as Off On L/R 0 LR:0 OFF ON 21 DVD-V MENU 13. APR PM 12:25 XX XX XXXXXXXXXXXXXXXXXXXX Dolby D 48kHz 16bit 2ch TOP MENU Dolby PLII 1/2 01:00 2 -01:00 2 En 13 Section 04 Basic operations Activating the touch panel keys Displaying the EQ (Audio function menu).

APR PM 12:25 XX XX XXXXXXXXXXXXXXXXXXXX Dolby D 48kHz 16bit 2ch TOP MENU 1/2 01:00 2 -01:00 2 En 13 Section 04 Basic operations Activating the touch panel keys Displaying the EQ (Audio function menu). Operations may appear on the display. Refer to Setting the video signal on page 69 to set the TV signal. ! Refer to Selecting the area group on page 70 to select the area group. ! Touch panel keys not listed under Introduction of TV tuner operations may appear on the display. refer to Indicator list on page 105. You can use this unit to control a TV tuner, such as the GEX-P5750TVP (sold separately). For details concerning operation, refer to the TV tuner's operation manual. This section provides information on TV operations with this unit, which differs from that described in the TV tuner's operation manual. Touch and hold for more than two seconds to skip stations. Seek tuning starts as soon as you release.

Touch to turn BSSM on. 3 4 5 6 18 En Section Playing moving images Introduction of video playback operations You can view DVD/DVD-R/DVD-RW/CD/CD-R/ CD-RW/USB/SD/iPod. ! Depending on your iPod, there may not be any output unless you use CD-IU201S/CDIU201V (sold separately). Be sure to use CD-IU201S/CD-IU201V to connect your iPod. DVD video 06 Touch panel keys 1 Fast forwarding or reversing Press to change the fast forward and reverse speed. Refer to Searching for the part you want to play on page 39. Refer to Playing videos from your iPod on page 37 and Browsing for a video/music on the iPod on page 37. Switching between subtitle languages during playback. Refer to Changing the subtitle language during playback (Multi-subtitle) on page 39. Switching between languages/audio systems during playback.

refer to Changing audio language during playback (Multiaudio) on page 39. Returning to the top menu during DVD playback. Displaying the DVD menu during DVD playback. refer to Operating the DVD menu on page 35. Moving ahead one frame at a time during playback. refer to Frame-by-frame playback on page 38. Touch and hold for more than two seconds to slow down playback speed. Speeding up the playback speed in four steps during slow motion playback on DVD video/Video CD. playing moving images Dolby D 2ch 48kHz 16bit 48kHz 16bit 2ch Dolby D Dolby PLII 3 TOP MENU 1/2 01:00 2 -01:00 2 98 7 6 5 4 y 3 Return 4 Dolby PLII 2/2 01:00 2 -01:00 2 g f e d c b Video CD Return 5 01:00 8 -01:00 9 8h7e g b iPod video 2ch Dolby D Dolby D 48kHz 16bit 48kHz 16bit 2ch 6 S. Rtrv Appr App 01:00 -01:00 9 e i j k 7 When playing a disc containing a mixture of various media file types a Media 01:00 2 -01:00 9 8 7m e 4 l 3 En 19 Section 06 Playing moving images Stopping playback.

If you resume playback, playback will start from the point where you stopped. Touch the key again to stop playback completely. Returning to normal playback during paused, slow motion, or frame-by-frame playback. Returning to the specified scene to which the DVD currently being played has been preprogrammed to return. Refer to Return to the specified scene on page 40. During playback, touch the point at which you want to resume playback the next time the disc is loaded. refer to Resume playback (Bookmark) on page 38. Displaying arrow keys to operate the DVD menu. Refer to Using the arrow keys on page 35. Switching among viewing angles during playback.

Refer to Changing the viewing angle during playback (Multi-angle) on page 40. Switching the audio output, when playing video discs recorded with LPCM audio. refer to Selecting audio output on page 40. Speeding down the playback speed in four steps, during slow motion playback on DVD video/Video CD. Playing the video on your iPod in a random order. refer to Random play (shuffle) on page 36. Conducting operation from your iPod and listening to it using your car's speakers. Refer to Operating this unit's iPod function from your iPod on page 36. Switching between media file types to play on DVD/CD/ USB/SD. Refer to Switching the media file type on page 35.

Adjusting the images on the display. For details, refer to Setting the Advanced Display Resolution on page 41. I 8 Appr App j 9 a k b Return l Media m a c a d e f g h 20 En Section Playing moving images Playing back videos 1 Insert the disc into the disc loading slot with the label side up. If you are playing a DVD or Video CD, a menu may appear. When the automatic playback function is on, the unit will skip the DVD menu and automatically start playback from the first chapter of the first title.

While an iPod is connected to this unit, PIONEER, Accessory Attached or (check mark) is displayed on the iPod. ! When the source icon is not displayed, it can be displayed by touching the screen. ! Disconnect headphones from the iPod before connecting it to this unit. ! Depending on the iPod model and the amount of data stored in the iPod, it may take some time for playback to begin. ! Use the touch panel keys to select the iPod after connecting it to this unit.

! No Device is displayed when disconnecting the iPod. ! If a message is displayed after loading a disc containing DivX VOD content, touch Play. Fast forward/fast reverse may not always be possible on some discs. The fast forward/fast reverse speed depends on the length of time you press and hold down c or d (TRK). This function is not available for Video CD. 06 ! Do not insert anything other than a DVD-R/ RW or CD-R/RW into the disc loading slot. ! If the bookmark function is on, DVD playback resumes from the selected point. Some operations may not be available while watching a media due to the programming of the disc. In such cases, the icon appears on the screen. ! To ensure proper operation, connect the dock connector cable from the iPod directly to this unit.

! While the iPod is connected to this unit, the iPod cannot be turned on or off. ! Touch panel keys not listed under Introduction of video playback operations may appear on the display.



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This DVD player can play back a DivX file recorded on CD-R/RW, DVD-R/RW, or MPEG-1/ MPEG-2/MPEG-4. (Please see the following section for files that can be played back. refer to DivX video files on page 109. ) En 21 Section 07 Playing audio Introduction of sound playback operations You can listen to DVD-R/DVD-RW/CD/CD-R/ CD-RW/USB/SD/iPod sound files. Depending on your iPod, there may not be any output unless you use CD-IU201S/CDIU201V (sold separately). Be sure to use CD-IU201S/CD-IU201V to connect your iPod. Depending on the Bluetooth audio player connected to this unit, the available operations will be limited to the following two levels: -- A2DP profile (Advanced Audio Distribution Profile): You can only playback songs on your audio player. Since there are a number of Bluetooth audio players available on the market, available operations will vary extensively.

When operating your player with this unit, refer to the instruction manual that came with your Bluetooth audio player as well as this manual. ! As the signal from your cellular phone may cause noise, avoid using it when you are listening to songs on your Bluetooth audio player. 22 En Section Playing audio ! When a call is in progress on the cellular phone connected to this unit via Bluetooth wireless technology, the sound of the Bluetooth audio player connected to this unit is muted. ! The play time may not display correctly. ! Depending on the type of Bluetooth audio player you have connected to this unit, operation and information display may not be available for some functions.

Touch panel keys 1 Switching the text information to display on this unit when playing MP3/ WMA/AAC/WAV files. Displaying a list of track titles/file names to select songs on a CD. refer to Selecting tracks from the track title list on page 40. Displaying the file name list to select the files. Refer to Browsing for a video/music on the iPod on page 37.

switching between media file types on a DVD/CD/USB/SD. Refer to Switching the media file type on page 35. Conducting operation from your iPod and listening to it using your car's speakers. Refer to Operating this unit's iPod function from your iPod on page 36. Playing songs on the iPod in random order. refer to Random play (shuffle) on page 36. Changing the speed of audiobook playback on the iPod. refer to Changing audiobook speed on page 41.

Performing operations from this unit and listening to the music on your iPod using your car's speakers. 9 Playing audio Appr App a 2 b c ×1 3 Media d e 4 f 5 g 6 En 23 Section 07 Playing audio Text information Displaying the Songs list on the iPod.

This function is available for USB/SD when using Music browse mode. refer to Searching for a video/music by category on page 38. Displaying the Artists list on the iPod. This function is available for USB/SD when using Music browse mode. refer to Searching for a video/music by category on page 38. Displaying the Albums list on the iPod. This function is available for USB/SD when using Music browse mode. refer to Searching for a video/music by category on page 38. Displaying the Genres list on the iPod. This function is available for USB/SD when using Music browse mode.

refer to Searching for a video/music by category on page 38. Playing back sound 1 Insert the disc into the disc loading slot with the label side up. While an iPod is connected to this unit, PIONEER, Accessory Attached or (check mark) is displayed on the iPod. ! When the source icon is not displayed, it can be displayed by touching the screen. ! Disconnect headphones from the iPod before connecting it to this unit.

! Depending on the iPod model and the amount of data stored in the iPod, it may take some time for playback to begin. ! Use the touch panel keys to select the iPod after connecting it to this unit. ! No Device is displayed when disconnecting the iPod. Selecting a track using the buttons 1 Press c or d (TRK). fast forwarding or reversing using the buttons 1 Press and hold c or d (TRK).

H i j k Note Touch panel keys not listed under Introduction of sound playback operations may appear on the display. refer to Indicator list on page 105.

Artwork display Starting Album Link Search on your iPod when you touch the artwork display. This function is available for USB/SD when using Music browse mode. Refer to Displaying lists related to the currently playing song (Link Search) on page 41. Setting up for Bluetooth audio Before you can use the Bluetooth audio function you must establish a Bluetooth wireless connection between the unit and your Bluetooth audio player. 1 Connection First, you need to connect a Bluetooth audio to this unit. For detailed instructions on connecting your Bluetooth audio to this unit via Bluetooth wireless technology, see Introduction of Bluetooth connection menu operations on page 74. 1 24 En Section Playing audio Notes ! When playing back files recorded as VBR (variable bit rate) files, the play time will not be correctly displayed if fast forward or reverse operations are used. ! To ensure proper operation, connect the dock connector cable from the iPod directly to this unit.

! While the iPod is connected to this unit, the iPod cannot be turned on or off. ! If the characters recorded on the disc are not compatible with this unit, those characters will not be displayed. ! Text information may not be correctly displayed depending on the recorded environment. ! Disconnect the USB portable audio player/ USB memory when you are done using it. ! When you select Speana on Selecting the background display on page 77, the artwork is not displayed. 07 En 25 Playing audio Section 08 Advanced App Mode Introduction of Advanced App Mode operation This system can switch to the Advanced App Mode, which you can display and operate the application for iPhone on the screen. In Advanced App Mode, you can operate applications with finger gestures such as tapping, dragging, scrolling or flicking on the screen of the system. ! Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content. ! The content and functionality of the supported applications are the responsibility of the App providers. ! In Advanced App Mode, functionality through the product is limited while driving, with available functions determined by the App providers.

! Availability of Advanced App Mode functionality is determined by the App provider, and not determined by Pioneer. ! Advanced App Mode allows access to applications other than those listed (subject to limitations while driving), but the extent to which content can be used is determined by the App providers. ! The port that supports Advanced App Mode will only be USB input 1. ! When you use this function, set the RGB input to iPhone. For details, refer to Setting the RGB Input on page 65.

! Depending on the application, you can input text on the display. ! When using application which allows you to input text on the keyboard, set the language setting of this unit and your iPod.



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For details, refer to Setting the Keyboard on the next page. ! When listening to music and sounds from application simultaneously, see the following section. Refer to Setting the App sound mixing on page 65.

CAUTION ! While driving, you cannot enter text on your iPod. When you use this function, set the RGB input to iPhone. For details, refer to Setting the RGB Input on page 65. 2 Start an application available for Advanced App Mode from the iPhone. An image of the application is displayed on the screen of this system. ! You can start an application available for Advanced App Mode also from a launcher application. iPod touch 4th generation -- Applications operable by switching this system to Advanced App Mode are only those available for Advanced App Mode. Use the CD-IU201S (sold separately) when you use this function. 3 Touch MODE to hide the AV source icons or wait until the source icons disappear. ! If the source icons are displayed, you cannot conduct the operation of application on the screen.

4 Operate the application. 26 En Section Advanced App Mode Setting the Keyboard CAUTION For your safety, the keyboard functionality is only available when the vehicle is stopped and the parking brake is engaged. 08 Depending on the application, you can input text on the display. In order to input text correctly using keyboard which appears on this unit, you need to set the language setting in this function. When the Advanced App Mode is used, the language setting for the keyboard set for the function and the language setting for the iPhone keyboard need to be the same. When you tap a text input area of an application for iPhone, a keyboard will be displayed on-screen. You can input the desired text directly from this system. ! The language preference for the keyboard of this system should be same as the setting on your iPhone. If the settings for this product and the iPhone are different, you may not be able to enter characters properly. French (French)--German (German)--Greek (Greek)--Russian (Russian)--English (English)--English (UK) (English)--Dutch (Dutch)--Italian (Italian)--Norwegian (Norwegian)--Swedish (Swedish)--Finnish (Finnish)-- Spanish (Spanish)--Portuguese (Portuguese) 4 Tap the text input area on the application screen of the iPhone.

Touch to hide the keyboard. En 27 Advanced App Mode Section 09 Using MIXTRAX Introduction of MIXTRAX operation You can play the audio files of USB/SD. The original BPM (Beats Per Minute) does not display during playback. switching to the Mix style display. You can select the desired Mix style in the display.

switching to the Mix play. You can select the desired Mix play. MIXTRAX is original technology for creating non-stop mixes of selections from your audio library, complete with DJ effects that make them sound as if a DJ is right there with you playing the music. Using MIXTRAX You can enjoy your music files by installing the MIXTRAX software to your computer and using the software to transfer the files to USB devices and SD cards. The MIXTRAX software can be downloaded from the website below.

Com For details on how to use the MIXTRAX software, refer to the online manual. Important The artwork display can be moved based on the music type. For details, refer to Setting the Artwork Dance on page 70. Touch panel keys 1 Switching to the audio mode of USB/SD. Introduction of MIXTRAX EZ operation You can play the audio files of iPod/USB/SD. MIXTRAX EZ is used to add a variety of sound effects between songs for arranging the pauses between songs. It allows you to enjoy listening to music nonstop. ! This function is only available when a file on an external storage device (USB, SD) or a song on an iPod is being played. ! This function is not available when the control mode is set to App Mode. ! Depending on the file/song, sound effects may not be enabled for adding.

! Depending on the file/song, non-stop playback may not be available. 2 BPM Changing the BPM (Beats Per Minute). 28 En Section Playing still images Introduction of still image playback operations You can view still images saved in USB/SD. Still image Switching between media file types when there is more than one media file type saved to the USB or SD device. This key does not appear if there is only one media file type saved to the USB or SD device. Refer to Switching the media file type on page 35. 10 1 2 13 APR PM 4 Media SD a 98 7 12:25 5 Dolby PLII Dolby PLII Media 6 54 3 6 When loading a USB/SD containing JPEG picture files, this unit starts a slideshow from the first folder/picture on the device. The table below shows the controls for viewing a slideshow. Rotating the displayed picture 90° clockwise. Starting or pausing the slideshow.

9 Displaying the file name list to select the files. When the source icon is not displayed, it can be displayed by touching the screen. You can search 10 JPEG files at a time. notes ! Files are played back in file number order and folders are skipped if they contain no files. Touch panel keys not listed under Introduction of still image playback operations may appear on the display.

refer to Indicator list on page 105. 30 En Section Bluetooth telephone Introduction of Bluetooth telephone operations You can use Bluetooth telephone. telephone standby display 11 ! Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation. ! If you are unable to complete the connection using this unit, use the device to connect to the unit. ! If you connect more than one device at a time, connected device may not operate properly.

connecting one device at a time is recommended. 1 Incoming call notice Indicates that an incoming call has been received and has not been checked yet. 1 13 ARP PM 1 1 12:25 Abcdefghi 1234567890123456 Auto ON Tone OFF 8 7 6 5 4 3 2 When switching to the entering phone number mode 13 APR PM 1 ! Not displayed for calls made when your cellular phone is disconnected from this unit. Switching to the phone book mode. Refer to Calling a number in the phone book on page 43. Refer to Selecting a number by alphabet search mode on page 43. displaying the Bluetooth connection menu. Refer to the instructions from page 74 to page 76. private ON Vol cb Important a9 3 ! Since this unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using it without the engine running can drain the battery power. ! Advanced operations that require attention such as dialing numbers on the monitor, etc.

, are prohibited while driving. Park your vehicle in a safe place when using these advanced operations. ! Bluetooth connection menu cannot be selected while driving. ! Operations available may be limited depending on the cellular phone connected to this unit. 4 5 Tone Turning the ring tone for incoming calls on or off. 6 Auto En 31 Section 11 Bluetooth telephone Switching to the call history list. Refer to Using the missed, received and dialed call lists on page 44.

Switching the mode to enter the phone number directly.



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Refer to Making a call by entering phone number on page 46. Adjusting the other party's listening volume.

Refer to Adjusting the other party's listening volume on page 45. Making a phone call, when selecting a phone number. switching between callers on hold. 7 8  
9 a Vol b Private 1 Connection First, you need to connect a Bluetooth telephone to this unit. For detailed instructions on connecting your phone to this unit  
via Bluetooth wireless technology, see following section.

Using a Bluetooth device to pair on page 75 and Pairing from this unit on page 74. 2 Volume adjustment Adjust the earpiece volume of your cellular phone to  
your preference. The unit will record the adjusted volume level as the default setting. ! The volume of the caller's voice and ring tone may vary depending on  
the type of cellular phone. ! If there is a large volume difference between the ring tone and caller's voice, the overall volume level may become unstable.  
! Make sure to adjust the volume to a proper level before disconnecting the cellular phone from the unit. If the volume is muted (zero level) on your cellular  
phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected. c Notes ! Private mode can only be operated  
while you are talking on the phone. ! To end the call, both you and the other caller must hang up your phones. ! Touch panel keys not listed under  
Introduction of Bluetooth telephone operations may appear on the display. refer to Indicator list on page 105. Setting up for hands-free phoning Before you  
can use the hands-free phoning function you must set up the unit for use with your cellular phone. This entails establishing a Bluetooth wireless connection  
between this unit and your phone, registering your phone with this unit, and adjusting the volume level. 32 En Section Detailed instructions Storing and  
recalling stations You can easily store up to six(for tuner)/12(for TV) stations for each band as presets. The preset screen appears in the display.

2 Touch and hold one of the preset tuning keys to store the selected frequency in the memory. The selected radio/TV station frequency has been stored in the  
memory. 3 Touch one of the preset tuning keys to select the desired station. The next time you press the same key in radio text display the stored text will be  
recalled from the memory. 12 Storing the strongest stations BSM (best stations memory) automatically stores the six (for tuner)/12 (for TV) strongest stations.  
Storing broadcast frequencies with BSM may replace broadcast frequencies you have saved using the preset tuning keys. The preset screen appears in the  
display. 2 Touch BSM/BSSM to turn BSM on. The six(for tuner)/12(for TV) strongest broadcast frequencies will be stored under preset tuning keys in order of  
their signal strength. # To cancel the storage process, touch Cancel.

Displaying radio text Radio text data transmitted by RDS stations, such as station information, the name of the currently broadcast song and the name of the  
artist, can be displayed on this tuner. ! When no radio text is received, No Text appears in the display. Detailed instructions Tuning in to strong signals Local  
seek tuning lets you tune in to only those radio stations with sufficiently strong signals for good reception. FM: Off -- -- -- Storing and recalling radio text  
You can store data from up to six radio text transmissions to the Memo1 to Memo6 keys. 1 Display the radio text you want to store in the memory.  
refer to Introduction of tuner operations on page 17. 2 Touch and hold one of the keys to store the selected radio text. The memory number is displayed and  
the selected radio text will be stored in the memory. AM: Off -- -- The highest level setting allows reception of only the strongest stations, while lower levels  
allow the reception of weaker stations. En 33 Section 12 Detailed instructions Receiving traffic announcements Regardless of the source you are listening to,  
you can receive traffic announcements automatically with TA (traffic announcement standby).

# If the TA function is turned on when you are not tuned in to a TP or enhanced other network's indicator lights up dimly. There are four program types:  
News&Info--Popular--Classics--Others 4 Touch Start to begin the search. The unit searches for a station broadcasting that type of program. When a station is  
found, its program service name is displayed. # To cancel the search, touch Cancel. # The program of some stations may differ from that indicated by the  
transmitted PTY. # If no station is broadcasting the type of program you searched for, Not Found is displayed for about two seconds and then the tuner  
returns to the original station. 3 Press +/(VOLUME/VOL) to adjust the TA volume when a traffic announcement begins. The newly set volume is stored in the  
memory and will be recalled for subsequent traffic announcements. 4 Turn off the announcement while a traffic announcement is being received.

refer to Introduction of tuner operations on page 17. The tuner returns to the original source but remains in the TA function standby mode until the icon is  
touched again. Using news program interruption When a news program is broadcast from a PTY code news station, the unit can switch from any station to  
the news broadcast station. When the news program ends, reception of the previous program resumes. PTY list Using PTY functions You can tune in to a  
station using PTY (program type) information. News&Info News (News), Affairs (Current affairs), Info (Information), Sport (Sports), Weather (Weather),  
Finance (Finance) Popular Searching for an RDS station by PTY information You can search for general types of broadcasting programs, such as those listed  
in the following section. Class (Light classical), Classic (Classical) 34 En Section Detailed instructions Others Educate (Education), Drama (Drama), Culture  
(Culture), Science (Science), Varied (Varied), Children (Children's), Social (Social affairs), Religion (Religion), Phone In (Phone in), Touring (Travel),  
Leisure (Leisure), Document (Documentaries) Selecting the desired menu item. 12 2 Select the desired menu item. Switching the media file type When playing  
a digital media containing a mixture of various media file types, such as DivX, MPEG-1, MPEG-2, MPEG-4 and MP3, you can switch between media file  
types to play. Audio data (CD-DA) and JPEG picture files on DVD-R/RW/ROM cannot be played back on this unit.  
CD (audio data (CD-DA))--Music/ROM (compressed audio)--Video (DivX, MPEG-1, MPEG-2, MPEG-4 video files)--Photo (JPEG picture files) Starting  
playback from the selected menu item. Operating the DVD menu by directly touching the menu item. back to Previous display. Detailed instructions  
Operating the DVD menu (Function for DVD video) Some DVDs allow you to make a selection from the disc contents using a menu. # When operating the  
DVD menu by directly touching the menu item, touch the icon to operate.  
returning to the normal DVD video display.



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Using the arrow keys 1 Display arrow keys to operate the DVD menu. # Ways to display the menu will differ depending on the disc. # Depending on the contents of the DVD disc, this function may not work properly. In such cases, use the touch panel keys to operate the DVD menu.

En 35 Section 12 Detailed instructions Operating this unit's iPod function from your iPod You can listen to the sound from your iPod applications using your car's speakers, when App Mode is selected. This function is not compatible with the following iPod models. While this function is in use, the iPod will not turn off even if the ignition key is turned off. Operate the iPod to turn off the power. The following functions are still accessible from the unit even if the control mode is set to App Mode. However, the operation will depend on your applications. -- iPod touch 4th generation -- iPod touch 3rd generation -- iPod touch 2nd generation -- iPod touch 1st generation -- iPod classic 160GB -- iPod classic 120GB -- iPod classic -- iPod nano 6th generation -- iPod nano 5th generation -- iPod nano 4th generation -- iPod nano 3rd generation -- -- -- -- iPod nano 2nd generation iPhone 4S iPhone 4 iPhone 3GS iPhone 3G iPhone Random play (shuffle) iPod-videos/songs can be played back in random order. ! Songs Play back videos/songs in the selected list in random order. ! Albums Play back videos/songs from a randomly selected album in order. ! Folder Play back songs/tracks in the selected folder in random order.

! Disc Play back songs/tracks in the selected disc in random order. ! On Play back files in random order within the repeat range, Folder and Disc. Disc Play through the current disc Chapter Repeat the current chapter Title Repeat the current title Track Repeat the current track File Repeat the current file Folder Repeat the current folder One Repeat just the current video/song All Repeat all videos/songs in the selected list on the iPod ! This function cannot be operated during Video CD playback featuring PBC (playback control). ! If you perform chapter search, fast forward/ reverse, frame-by-frame playback or slow motion playback, the repeat play will stop. 36 En Section Detailed instructions ! When playing discs with compressed audio and audio data (CD-DA), playback is repeated within the type of data currently playing even if Disc is selected. ! If you select another folder during repeat play, the repeat play range changes to Disc. If you select USB or SD source, the repeat play range changes to All. ! If you perform track search or fast forward/ reverse during File, the repeat play range changes to Folder. ! If you perform title/chapter search or fast forward/reverse during Chapter, the repeat play is set to off automatically. ! If you perform track search or fast forward/ reverse during Track, the repeat play range changes to Disc.

! When Folder is selected, it is not possible to play back a subfolder of that folder. 12 Switching to iPod video mode. 3 Play the video from the iPod. Video Playlists Movies Music Videos Video Podcasts TV Shows Rentals # If you want to switch to iPod music mode, touch the icon. switching to iPod music mode. Playing videos from your iPod (Function for iPod) Videos can be played on this unit if an iPod with video capabilities is connected. ! This unit can play back "Movies", "Music videos", "Video Podcast" and "TV show" which are downloaded from the iTunes store. Touch the playback sign of the thumbnail to preview the file. touch the title to start playback. Detailed instructions Playing videos from USB storage device and SD Playlists Artists Albums Songs Podcasts Genres Browsing for a video/music on the iPod (Function for iPod) # If you want to switch to iPod video mode, touch the icon.

En 37 Section 12 Detailed instructions To make operating and searching easy, operations to control an iPod with this unit are designed to be as similar to the iPod as possible. 1 Select a category. Refer to Searching for a video/music by category on this page. Searching for a video/music by category 1 Display the iPod menus. 2 Touch one of the categories in which you want to search for a video/music. 3 Touch the first letter of the title of the video/song you are looking for. While searching, touch panel key operation is not available. # To refine the search with a different letter, touch Cancel. 4 Touch the title of the list that you want to play. Repeat this operation until you find the desired song/video.

Resume playback (Bookmark) (Function for DVD video) By using the Bookmark function, you can resume playback from a selected scene the next time the disc is loaded. The selected scene will be bookmarked so that playback resumes from that point next time. ! To clear the bookmark on a disc, touch and hold the key during playback. ! The oldest bookmark is replaced by the new one. 3 Touch the title of the list that you want to play. Repeat this operation until you find the desired video/music. notes ! You can play playlists created with the PC application (MusicSphere). The application will be available on our website. ! Playlists that you created with the PC application (MusicSphere) are displayed in abbreviated form. Frame-by-frame playback (Function for DVD video/video CD/DivX file/ MPEG-1/MPEG-2/MPEG-4) Note Images during frame-by-frame playback may be unclear for some discs.

Searching the list by alphabet (Function for iPod) 38 En Section Detailed instructions Slow motion playback Notes ! There is no sound during slow motion playback. ! Images during slow motion playback may be unclear for some discs. ! Reverse slow motion playback is not available. 12 Changing audio language during playback (Multi-audio) With DVDs/DivX files that provides audio playback in different languages and different audio systems (Dolby Digital, DTS, etc. ), you can switch between languages/audio systems during playback.

notes ! With some DVDs, switching between languages/audio systems may only be possible using a menu display. ! You can also switch between languages/audio systems using Video Setup menu. For details, refer to Setting the audio language on page 61. ! Depending on the setting, the video may not be played back with the audio system used to record the DVD. ! You will return to normal playback if you change the Audio during fast forward/fast reverse, pause or slow motion playback.

Searching for the part you want to play You can use the search function to find the part you want to play. For DVD videos, you can select Title (title), Chapter (chapter) or 10key (numeric keypad). For video CDs, you can select Track (track) or 10key (numeric keypad). ! Chapter search is not available when disc playback is stopped. ! This function cannot be operated during some DVD videos or Video CD playback featuring PBC (playback control). 2 Touch the desired search option (e. # To cancel the entered numbers, touch C.



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Detailed instructions Changing the subtitle language during playback (Multi-subtitle) With DVDs/DivX files featuring multi-subtitle recordings, you can switch between subtitle languages during playback. notes ! With some DVDs, switching between subtitle languages may only be possible using a menu display. ! You can also switch between subtitle languages using Video Setup menu.

For details, refer to Setting the subtitle language on page 61. ! You will return to normal playback if you change the Subtitle during fast forward/fast reverse, pause or slow motion playback. 4 Start playback from the selected part. Registering the numbers and starting playback. Note With discs featuring a menu, you can also use the DVD menu to make your selection. refer to Playing moving images on page 19. En 39 Section 12 Detailed instructions Changing the viewing angle during playback (Multi-angle) With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, you can switch among viewing angles during playback. ! During playback of a scene shot from multiple angles, the angle icon is displayed. Use the Video Setup menu to turn the angle icon display on or off. For details, refer to Setting the multi-angle DVD display on page 61.

Note You will return to normal playback if you change the viewing angle during fast forward/fast reverse, pause or slow motion playback. Registering the numbers and starting playback. Return to the specified scene (Function for DVD video) This function cannot be used if a specified scene has not been preprogrammed on the DVD disc. Selecting audio output When playing DVD video discs recorded with LPCM audio, you can switch the audio output. When playing video CDs, you can switch between stereo and monaural audio output.

! This function is not available when disc playback is stopped. You can display the menu by touching Return during PBC playback. For details, refer to the instructions provided with the disc. During playback of Video CDs featuring PBC (playback control), you cannot select the repeat play range or use the search function. Selecting tracks from the track title list You can select tracks to playback using the track title list which is a list of the tracks recorded on a disc.

2 Touch your favorite track title. playback begins. Note You may not be able to select or use this function depending on the disc and the playback location. 40 En Section Detailed instructions Selecting files from the file name list (Function for compressed audio/DivX/MPEG-1/ MPEG-2/MPEG-4) File name list is a list of file names (or folder names) from which you can select a file (or folder) to play back. # When you have selected a folder, a list of the names of the files (or the folders) in it can be viewed. Repeat this operation to select the desired file name. # If folder 1 (ROOT) contains no files, playback commences with folder 2. Note If part of the recorded information does not display, a scroll key appears on the right side of list. Touch the scroll key to scroll. 12 Displaying lists related to the currently playing song (Link Search) (Function for iPod/USB/SD) 1 Touch the artwork display.

refer to Introduction of sound playback operations on page 22. 2 Touch the title of the list that you want to play. notes ! If part of the recorded information does not display, a scroll key appears on the right side of list. Touch the scroll key to scroll. ! This function is available for USB/SD when using Music browse mode. Setting the Advanced Display Resolution (Function for USB/SD) You can increase the resolution of moving images on your USB/SD storage device. oFF--1--2 ! With some pictures, display adjustment may not be possible. ! There may not be any effect observed in some cases depending on the images being played back. Detailed instructions Using sound retriever Automatically enhances compressed audio and restores rich sound. off -- ! -- is more effective than .

Music Browse mode Changing audiobook speed (Function for iPod) 2 Playback at a speed faster than nor! 1/2 Playback at a speed slower than normal (Function for USB/SD) This unit creates an index in order to facilitate browsing for a song. You can search by the categories such as Albums and Artists. cAUTION ! This function is not available when the USB/ SD storage device is locked. ! This function is not available when the free space of USB/SD storage device is 5MB. en 41 Section 12 Detailed instructions ! While this unit creates an index, do not turn the unit off.

It may cause loss of data on your USB/SD storage device. " is displayed, touch "Yes" Saving of the database is completed. If you do not save it, touch "No". When the saving is completed, "Database save to memory was completed. % If a message is displayed after loading a disc containing DivX VOD content, touch Play.

playback of the DivX VOD content will start. # To skip to the next file, touch Next Play. # If you do not want to play the DivX VOD content, touch Stop. Capture an image in JPEG files You can capture image data and use it as wallpaper. Images can be stored and recalled easily in this unit. ! Only one image can be stored on this unit. Old image is overwritten with the new one. 1 Pause the slideshow when the desired image is displayed. 3 When "Do you save this image?" is displayed, touch Yes. While storing the image to this unit, "Saving the image.

Don't switch off the battery. " is displayed. When the process is finished, "Image saved. " is displayed. # To cancel the storage process, touch No. Playing DivX VOD content Some DivX video on demand (VOD) content may only be playable a fixed number of times. When you load a disc containing this type of content, the number of times it has been played will be shown on-screen. You can then decide whether or not to play the disc. ! If there is no limit to the number of times the DivX VOD content can be viewed, then you may load the disc into your player and play the content as often as you like, and no message will be displayed. ! You can confirm the number of times that the content can be played by checking the number displayed after This DivX rental has used out of views.

important ! In order to play DivX VOD contents on this unit, you first need to register the unit with your DivX VOD contents provider. For details on your registration code, refer to Displaying the DivX VOD registration code on page 64. This re- Changing the wide screen mode You can select a desired mode for enlarging a 4:3 picture to a 16:9 picture. 12 Calling a number in the phone book The phone book in your cellular phone will be transferred automatically when the phone is connected to this unit. After finding the number you want to call in the phone book, you can select the entry and make the call. The phone book display appears. 2 Select the phone number list. The detailed phone number list of the selected entry is displayed. 3 Select the phone number. # If you want to store the phone number, touch and hold the list.



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*FULL (full screen) The 4:3 picture is enlarged in the horizontal direction only, giving you a 4:3 TV picture (normal picture) without any omissions. ZOOM (zoom) The 4:3 picture is enlarged in the same proportion both vertically and horizontally; ideal for a cinema sized picture (wide screen picture). NORMAL (normal) The 4:3 picture is displayed as it is, giving you no sense of disparity since its proportions are the same as that of the normal picture. TRIMMING (trimming) The image is displayed across the entire screen with the horizontal-to-vertical ratio left as is. If the horizontal-to-vertical ratio differs between the display and the image, the image may be displayed partly cut off either at the top/bottom or sides. notes ! You cannot operate this function while driving. ! Different settings can be stored for each video source. ! When a video is viewed in a wide screen mode that does not match its original aspect ratio, it may appear different. ! Remember that using the wide mode feature of this system for commercial or public viewing purposes may constitute an infringement on the author's rights protected by the Copyright Law. ! The video image will appear coarser when viewed in ZOOM mode.*

*Note Depending on the cellular phone, the phone book may not be transferred automatically. In this case, operate your cellular phone to transfer the phone book. The visibility of this unit should be on. refer to Switching visible unit on page 75. Detailed instructions Selecting a number by alphabet search mode If a lot of numbers are registered in the phone book, you can search for the phone number by alphabet search mode. The phone book display appears. 2 Touch ABC to switch to alphabet search mode. 3 Touch the first letter of the entry you are looking for. The Phone Book entries starting with that letter (e. # If you want to change the character to Russian, touch the icon.*

*To return to English, touch the icon again. changing the character to Russian. Inverting names in phone book When your cellular phone is connected to this unit, the first and last names of your contacts may be registered to the phone book in reverse order. You can use this function to change the order back.*

*(Inverting the names in the phone book) 1 Switch to phone book mode.*

*refer to Introduction of Bluetooth telephone operations on page 31. The phone book display appears. 2 Invert names in phone books. Inverting names in phone books. # The order of the first name and last name may be different from that of the cellular phone.*

*4 Touch the list to display the phone number list of the selected entry. # If several phone numbers are included in an entry, select one by touching the list. # If you want to switch to the call history list, touch the icon. While the names are inverted, is displayed. # If the inversion fails, "Invert Name Error" appears. In such cases, try again from the beginning. Note Inverting the names of your contacts from this unit does not affect the data on your Bluetooth device. Switching to the call history list. Using the missed, received and dialed call lists The 80 most recent calls dialed, received, and missed are stored in the memory. You can browse them and call numbers from these lists.*

*1 Switch to the call history list. 1--2--3 # This function can be performed even while talking on the phone. # Settings can be stored for each device. 12 Displaying the received call list. Displaying the dialed call list. Switching the ring tone Displaying the missed call list. You can select whether or not to use this unit's ring tone. If this function is set to on, the ring tone for this unit will sound. 1 Connect your cellular phone to this unit. 3 Touch the list number to select a phone number.*

*Name and phone number are displayed in the detailed list. # If you want to store the phone number, touch and hold the list. Using the preset dial lists You can easily store up to six phone numbers as presets. 2 Touch one of preset dial keys to select the desired phone number. # If you want to delete a preset phone number, touch and hold the preset dial key.*

*Detailed instructions Setting automatic answering If this function is on, this unit automatically answers all incoming calls. Adjusting the other party's listening volume To maintain the good sound quality, this unit can adjust the other party's listening volume. If the volume is not loud enough for the other party, use this function. En 45 Section 12 Detailed instructions Making a call by entering phone number 13 APR PM 1 12:25 1 4 7 \* C 2 5 8 0 3 6 9 # + Abcdefghi XXXXXXXXXXXXXXXXXXXX Private ON Vol Important Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation. 1 Switch to the entering phone number mode.*

*refer to Introduction of Bluetooth telephone operations on page 31. 2 Touch the number icons to input the numbers. Note Entering phone number mode cannot be operated unless a Bluetooth telephone is connected to this unit. Setting the private mode During a conversation, you can switch to private mode (talk directly on your cellular phone). You cannot display the Audio function menu when the mute function is on or a JPEG file is playing. 2 Touch any of the following touch panel keys to select the menu to be adjusted. Touch panel keys 1 Video Setup menu Refer to Setting up the Video player on page 61. Favorite menu You can choose menus within each menu (Audio function menu, etc. ) and register them to this favorite menu. You can display the Video Setup menu when a Disc, USB or SD source is selected.*

*! If you start the Video Setup menu, playback is stopped. En 47 Section 13 Menu operations Audio adjustments Using fader/balance adjustment You can change the fader/balance setting to provide an ideal listening environment for all of the occupied seats. Range: Front 15 to Rear 15 # Select F/R 0 L/R 0 when only using two speakers. # The front/rear speaker balance cannot be adjusted when the rear output setting is Subwoofer. The equalizer curves for Custom1 and Custom2 can be adjusted. ! You cannot select Custom1 and Custom2 when using the auto-equalizer. ! When Flat, no changes are made to the sound. You can check the effects of the equalizer curves by switching alternatively between Flat and another equalizer curve. # You cannot select or adjust the equalizer curves of Custom1 and Custom2 when using the auto-equalizer. 4 Touch c or d to adjust the left/right speaker balance.*

*Range: Left 15 to Right 15 Note You can also set the fader/balance by dragging the dot on the displayed table. Bass--Powerful--Natural--Vocal--Flat--*

*Custom1--Custom2 Adjusting the 8-band graphic equalizer Using the equalizer You can adjust the equalization to match the car's interior acoustic characteristics as desired. Recalling equalizer curves There are seven stored equalizer curves which you can easily recall at any time. Here is a list of the equalizer curves. Display Powerful Natural Vocal Equalizer curve Powerful Natural Vocal You can adjust the level of each band for the equalizer curves.*



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*! A separate Custom1 curve can be created for each source. If you make adjustments when a curve other than Custom2 is selected, the equalizer curve settings will be stored in Custom1. ! A Custom2 curve that is common for all sources can be created. If you make adjustments when the Custom2 curve is selected, the Custom2 curve will be updated. Bass--Powerful--Natural--Vocal--Flat-- Custom1--Custom2 4 Touch the table to adjust the level of the equalizer band.*

*Range: +12dB to 12dB 13 Adjusting loudness Loudness compensates for deficiencies in the low-frequency and high-frequency ranges at low volume. Off (off)--Low (low)--Mid (mid)--High (high) Menu operations Using the auto-equalizer The auto-equalizer is an equalizer curve created by auto EQ (refer to Auto EQ (auto-equalizing) on page 71). You can turn the auto-equalizer on or off. If you connect an optional microphone to this unit, you can use this function. # You cannot use this function if auto EQ has not been carried out. Using subwoofer output This unit is equipped with a subwoofer output which can be turned on or off. ! The cut-off frequency and output level can be adjusted when the subwoofer output is on. 3 Touch On or Off next to Subwoofer to turn the subwoofer output on or off. 4 Touch Normal or Reverse next to Phase to select the phase of subwoofer output. 5 Touch c or d next to Level to adjust the output level of the subwoofer.*

*Range: +6 to 24 6 Touch c or d next to Frequency to select the cut-off frequency. 50Hz--63Hz--80Hz--100Hz--125Hz Only frequencies lower than those in the selected range are outputted from the subwoofer. Using sonic center control Sound that is suited for the listening position can easily be created with this function. Range: Left 7 to Right 7 Boosting the bass You can boost the bass level. When selecting FM as the source, you cannot switch to Source Level Adjuster. ! The AM volume level can also be adjusted with this function. ! Video CD, CD, compressed audio, DivX, MPEG-1, MPEG-2 and MPEG-4 are automatically set to the same source level adjustment volume. ! When an iPod and a USB storage device are connected to USB input 1 or USB input 2, the source level adjustment volume for each is automatically set to the same level for each USB input. USB input 1 and USB input 2 are not automatically set to the same setting. ! External unit 1 and external unit 2 are automatically set to the same source level adjustment volume.*

*Using the high pass filter When you do not want low sounds from the subwoofer output frequency range to play from the front or rear speakers, turn on the HPF (high pass filter). Only frequencies higher than those in the selected range are output from the front or rear speakers. 2 Touch c or d next to the frequency to select cut-off frequency. Off (off)--50Hz--63Hz--80Hz--100Hz-- 125Hz Only frequencies higher than those in the selected range are output from the front or rear speakers. Adjusting source levels With SLA (source level adjustment), the volume levels of each source can be adjusted to prevent significant differences between sources.*

*! Settings are based on the FM volume level, which remains unchanged. 2 Compare the FM volume level with the level of the source you wish to adjust. 3 Touch Source Level Adjuster on the audio function menu. 50 En Section Menu operations Digital Signal Processor Introduction of DSP adjustments You can use this unit to control a DEQ-P6600/ DEQ-P7650 multi-channel processor (sold separately). By carrying out the following settings/adjustments in the order shown, you can effortlessly create a finely-tuned sound field.*

*1 Setting the speaker setting 2 Using the position selector 3 Auto TA and EQ (auto-time alignment and autoequalizing) 4 Adjusting time alignment 5 Adjusting the speaker output levels using a test tone 6 Selecting a cross-over frequency 7 Adjusting the speaker output levels 8 Adjusting the 3-band parametric equalizer Notes ! You cannot use the audio functions when playing discs recorded at a sampling frequency higher than 96 kHz. Sound is only emitted from front speakers when playing discs recorded at a sampling frequency higher than 96 kHz. ! When selecting FM as the source, you cannot switch to Source Level Adjuster. ! You can only switch to Dynamic Range Control when you are playing DVD discs. ! You can only switch to Time Alignment when either Front-L or Front-R is selected in Position. ! When the speaker setting for both the center and rear speakers are set to OFF, you cannot switch to Dolby Pro Logic II. ! When the multi-channel processor (DEQP6600/DEQ-P7650) is connected to this unit, you cannot use MUTE function. 13 Using the position selector One way to assure a more natural sound is to optimize the stereo image and place you right in the center of the sound field. With the position selector function, you can automatically adjust the speaker output levels and insert a delay time to match the number and position of the occupied seats. When used in conjunction with the SFC, this feature will make the sound image more natural and offer a panoramic sound that envelops you.*

*Key c d a b Display Front-L Front-R Front All Position Left front seat Right front seat Front seats All seats Menu operations # To cancel the selected position, touch the same key again. Note When adjustments are made to the listening position, the speaker outputs are automatically set to the appropriate levels. To tailor the levels more precisely, refer to Adjusting the speaker output levels using a test tone on page 56 or Adjusting the speaker output levels on page 55. Using fader/balance adjustment You can change the fader/balance setting to provide an ideal listening environment for all of the occupied seats. Range: Front 25 to Rear 25 # Select F/R 0 L/R 0 when only using two speakers. (such as Musical, Drama or Action). On the other hand, when selecting SFC effects that are suitable for 2-channel audio sources (such as Jazz, Hall or Club), we recommend turning Dolby Pro Logic II off. Adjusting source levels With SLA (source level adjustment), the volume levels of each source can be adjusted to prevent significant differences between sources. ! Settings are based on the FM volume level, which remains unchanged. 1 Compare the FM volume level with the level of the source you wish to adjust.*

*The AM volume level can also be adjusted with this function. ! Video CD, CD, compressed audio and DivX are automatically set to the same source level adjustment volume. ! External unit 1 and external unit 2 are automatically set to the same source level adjustment volume. 4 Touch c or d to adjust the left/right speaker balance. Range: Left 25 to Right 25 Using sound field control The SFC function creates the sensation of a live performance. ! The acoustics of performance spaces differ depending on the extent and contour of space through which sound waves can move and on how the created sounds bounce off the stage, walls, floors and ceilings. At a live performance you hear music in three stages: direct sound, early reflections, and late reflections, or reverberations.*



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