

Display Audio with Smartphone link

OWNER'S MANUAL



MZ360500EX



Thank you for purchasing this Display Audio with Smartphone link

This user manual explains how to use the Display Audio with Smartphone link.
Before using the product, read the contents of this user manual carefully.
Please use this product safely.

Read the following safety cautions for your safety.

Before using the product, read the contents of this user manual carefully. Please use this product safely.

※ The design and specification of this product may change without prior notification for the purpose of product improvement.

The actual features in the vehicle may differ from the illustrations.

Notations used in this User Manual

WARNING

Failure to observe the safety instructions within this category could result in serious injury or death.

CAUTION

Failure to observe the safety instructions within this category could result in accident related injuries or damage to the vehicle.

Information

Information and tips that provides additional user convenience in using the product.

Note

Information on specific features that facilitate proper product use and functional understanding.
Information on terminology used within this manual.

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MEMO _____

General

Warnings and Cautions

Trademark

Key Product Features

Component Names and Functions

Starting the System for the First Time

Rear camera display

WARNING

- Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.
- Do not disassemble, assemble, or modify the AVN system. Such acts could result in accidents, fire, or electric shock.
- Using phone features while driving may distract drivers from paying attention to traffic conditions and result in traffic accidents.
Use phone features only after the vehicle has been parked.
- Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.
- Please refrain from use if the screen is blank or no sound can be heard as these signs may indicate product malfunction. Continued use in such conditions could lead to accidents (fires, electric shock) or product malfunctions.
- Do not touch the antenna during thunder or lightening as such acts may lead to lightning induced electric shock.
- Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.
- The video screen will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen.
- Some Non-video features may also not operate when the vehicle is in motion. These features will operate only when the vehicle has been parked.

! CAUTION

- Operating the device while driving could lead to accidents due to a lack of attention to external surroundings. First park the vehicle before operating the device. In addition, some features may not work for your safety when the vehicle is in motion. These features will operate only when the vehicle has been parked.
- Adjust the volume to levels that allow the driver to hear sounds from outside of the vehicle. Driving in a state where external sounds cannot be heard may lead to accidents.
- Pay attention to the volume setting when turning the device on. A sudden output of loud volume upon turning the device on could lead to hearing impairment. (Adjust the volume to a suitable level before turning off the device.)
- If you want to change the position of device installation, please inquire with your place of purchase or service maintenance center. Technical expertise is required to install or disassemble the device.
- Turn on the car ignition before using this device. Do not operate the this system for long periods of time with the ignition turned off as such operations may lead to battery discharge.
- Do not subject the device to severe shock or impact. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch screen.
- When cleaning the device, make sure to turn off the device and use a dry and smooth cloth.
- Never use tough materials, chemical cloths, or solvents (alcohol, benzene, thinners, etc.) as such materials may damage the device panel or cause color/quality deterioration.
- When experiencing product malfunctions, inquire with your place of purchase or service maintenance center.

iPod®

iPod® is a registered trademark of Apple Inc.

Bluetooth®

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks is under license.

A Bluetooth® enabled mobile phone is required to use Bluetooth® wireless technology.

Apple CarPlay

Apple CarPlay is a registered trademark of Apple Inc.

Android Auto

Android, Android Auto and other marks are trademarks of Google Inc.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Key Product Features

Display	Wide TFT-LCD Display	<ul style="list-style-type: none"> - Provides high quality video through a Wide TFT-LCD using an LED Back light - Provides improved touch sensitivity through capacitance touch panel
OS	Android™ 4.4, KitKat®	Provides stable system performance using the latest Android Platform
AV	Support for various Media Input	<ul style="list-style-type: none"> - DVD – Provides HD DVD videos and supports various media discs, such as Audio CD, Video CD, and MP3 CD. - USB – Supports various audio (MP3, WMA) and image (BMP, JPG) files. - Bluetooth – Supports streaming of MP3 audio from Bluetooth devices. - Car – Supports audio streaming through Apple CarPlay and Android Auto.
	Gracenote	When playing music, automatically receives music information, such as song name, artist, album, and genre and displays on the screen (Audio CD, USB, Apple CarPlay, Android Auto supported)
Etc	Bluetooth Handsfree	Convenient use of Bluetooth Handsfree through buttons on the steering remote controller
	Connectivity (USB)	<ul style="list-style-type: none"> - Can connect device with Apple iPhone 5 and above to use Navigation, Handsfree, and Audio streaming features. - Can connect device with Android 5.0 Lollipop or higher to use Navigation, Handsfree, and Audio streaming features.

Head Unit



1 Reset

Resets the system

2 DISC Insert Slot

DISC insert/eject slot

3 DISC-IN LED

Displays the DISC insert state

4 Power/Volume

- When power is off, press to turn power on
- When power is on, press and hold to turn power off
- When power is on, press quickly to turn AV off
- Turn left/right to control volume

5 EJECT

Press to insert or eject disc

6 ^ SEEK/TRACK V

When key is pressed quickly

- Radio mode : plays previous/next frequency
- MEDIA (Disc/USB/iPod/BT music) modes : changes the track, file or title (except USB Image)

When key is pressed and held

- Radio mode : continuously changes the frequency until the key is released
- MEDIA (Disc/USB/iPod) modes : rewinds or fast forwards the track or file (except USB Image and BT music)

7 TUNE

- In Radio mode, changes the frequency
- MEDIA (Disc/USB/iPod) modes : changes the track, file or title (except USB Image and BT music)

8 HOME

Press to move to the HOME menu screen

9 RADIO

- Operates FM/AM mode
- Each time the key is pressed, mode is changed in order of FM1 ► FM2 ► AM

Turning the System On/Off

Press the engine start button or set the key to IGN or ACC.



Once the system is turned on, the booting process will start. No operations can be made while the system is booting. Some time may be required until all features are ready for use.



Information

If the system is turned off while the Handsfree is being used, then the call will automatically switch back to the mobile phone.

System Reset



The system needs to be reset in cases of product instability or malfunction. Press and hold the RESET key for a second or longer. It is recommended that you press the RESET key using a tool, such as a pin or a paper clip.



Note

Upon resetting the system, saved data and settings information (radio frequencies, volume and display settings, etc.) will be restored back to the default factory state. Such are not indications of malfunctions.

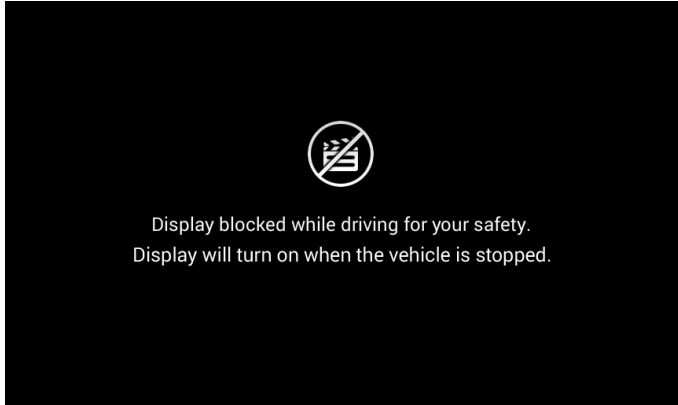
AV ON/OFF

Press the PWR key on the head unit when the AV is on. Press the PWR key or function icon to turn on AV.

While AV is turned off, the \wedge SEEK/TRACK \vee key and the TUNE knob will be disabled.

Restrictions on Features for Safety Measures

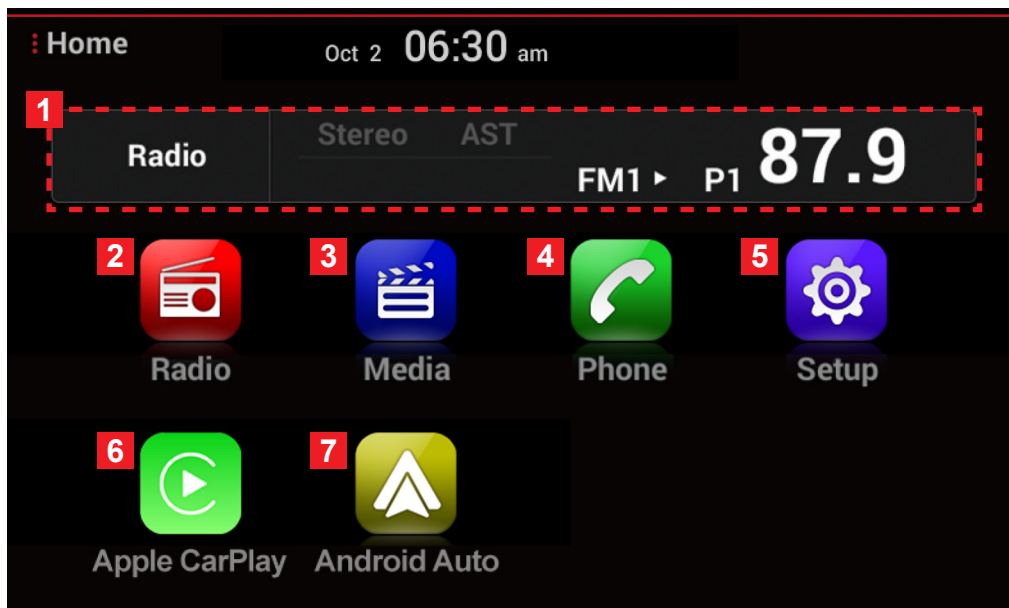
If you try to use features such as video mode that may distract you when you are driving, the system will turn the screen off or the function will be disabled and a warning message will be displayed. The audio player is not affected when video is off.



Information

Using the system for prolonged periods of time without the engine running may result in battery discharge.

Home Screen



1 Media Widget

- Shows brief information on the media currently playing
- Touch the area to move to the currently playing mode.

2 Radio

Operates FM/AM mode and displays the radio screen

3 Media

- Operates available media (Disc/USB/iPod/BT music)
- If the media is not connected, corresponding modes will be disabled

4 Phone

Moves to the phone screen

5 Setup

Moves to the Setup screen

6 Apple CarPlay

Operates the Apple CarPlay mode when iPhone is connected with the device

7 Android Auto

Android Auto extends the Android platform into the car dashboard when connected to the device

On-Screen Touch Controls

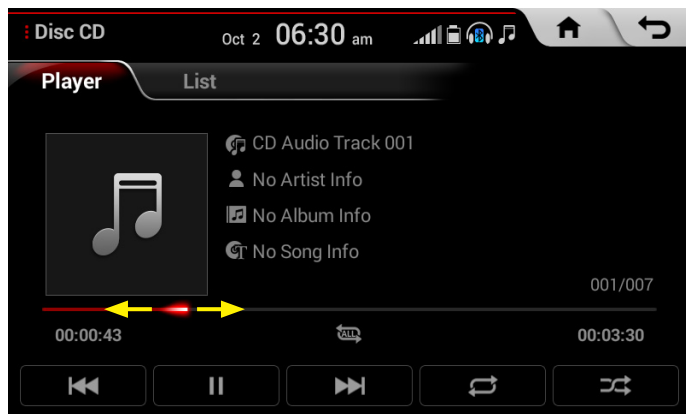
Learn how to touch the screen to operate the system.

Select

Tap lightly on a menu or item to select it.

Drag & Drop

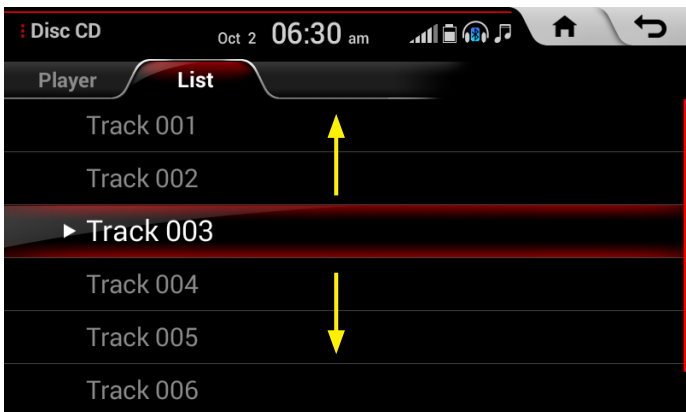
Select a menu or item and drag and drop it within the desired place.



Drag or touch the slider along the play bar in the music screens to jump to the point that you want to play from.

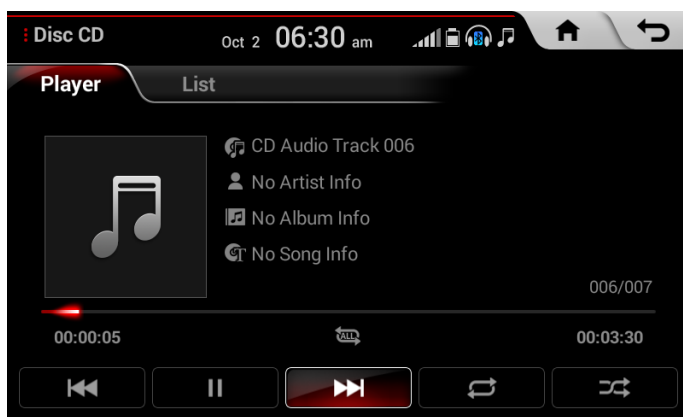
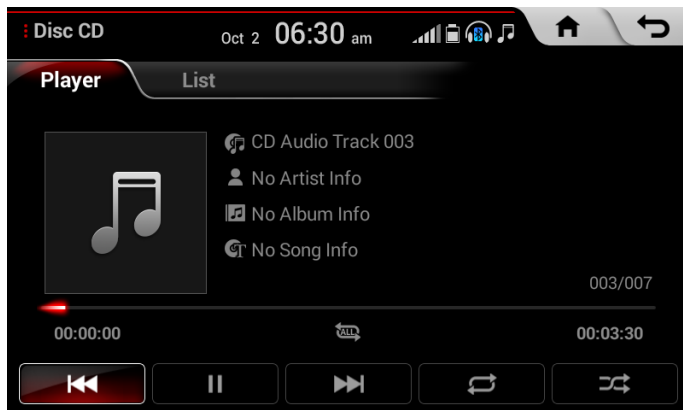
Flick (Quick Scrolling)

Quickly moves up and down in the list.



Press and Hold

Pressing the [◀◀, ▶▶] buttons will fast forward/rewind or search the music or video.

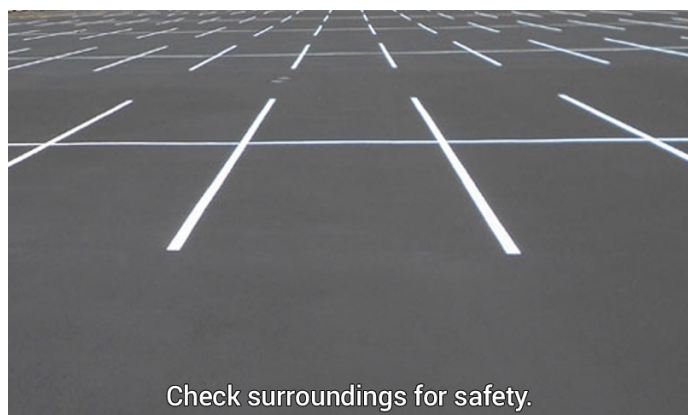


About Rear Detection Camera

- This system has been equipped with a rear camera for user safety by allowing a wider rear range of vision.
- The rear camera will operate automatically when the ignition KEY is turned ON and the transmission lever is set to R. The rear camera will automatically stop operating when set to a different lever.
- When the lever is shifted to R, the rear camera will operate with priority regardless of your current mode and display the rear view screen through the monitor.
- When the lever is shifted from R to a different lever, the rear camera automatically stops operating and the previous mode screen is restored.

Operating sequence of the Rear Camera

1. Position the ignition key in ACC or ON.
2. Position the transmission lever to R.



3. The rear camera mode will be displayed on the screen.

Note

The rear camera has been equipped with an optical lens to provide a wider range of vision and may appear different from the actual distance. Check the rear and left/right firsthand for user safety.

AV

Radio Mode

Media Mode

Discs

Disc CD -

Disc DVD -

Disc VCD -

Bluetooth Audio

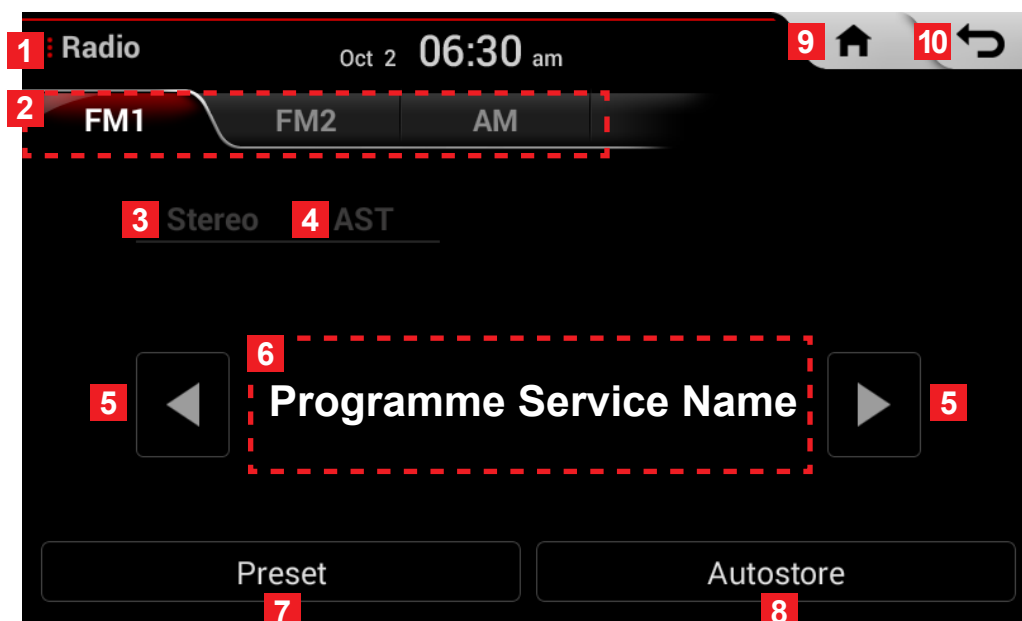
USB

USB Audio -

USB Image -

iPod

Radio Mode Screen



1 Mode

Displays currently operating mode

2 Radio Band Tab

- Displays currently operating mode
- If you select the desired tab, the selected Radio mode will operate

3 Stereo/Mono

Displays current status in FM mode

4 AST

Blinks text while Autostore is operating

5 [◀, ▶]

- When button is pressed quickly seeks the previous/next station or frequency
- When button is pressed and held continuously changes the frequency until the key is released

6 Frequency

Displays the current frequency and preset number

7 Preset

Shows saved presets for user selection

8 Autostore

Saves frequencies with superior reception to Preset buttons

9 Home

Moves to Home screen

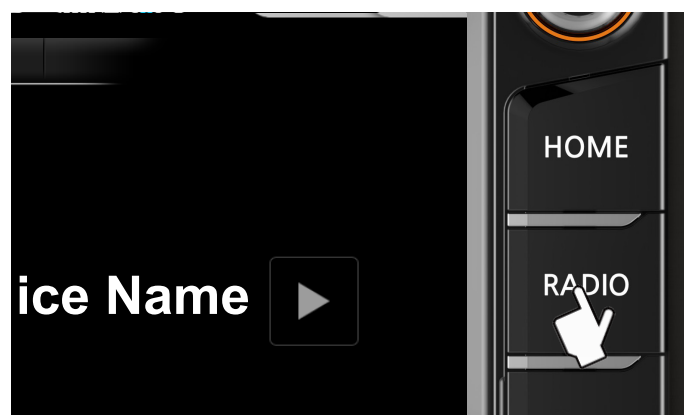
10 Back button

Moves to the previous screen

Starting Mode

Press the [RADIO] key ► Select the desired tab.

Pressing the [RADIO] key on the head unit will change the mode in order of FM1 → FM2 → AM.



Using TUNE

Turn the TUNE knob left/right to select the frequency.



- FM1/FM2 : Increases/decreases by 200kHz
- AM : Increases/decreases by 10kHz

Using ^ SEEK/TRACK v

Press the [^ SEEK/TRACK v] key to automatically search for frequencies.



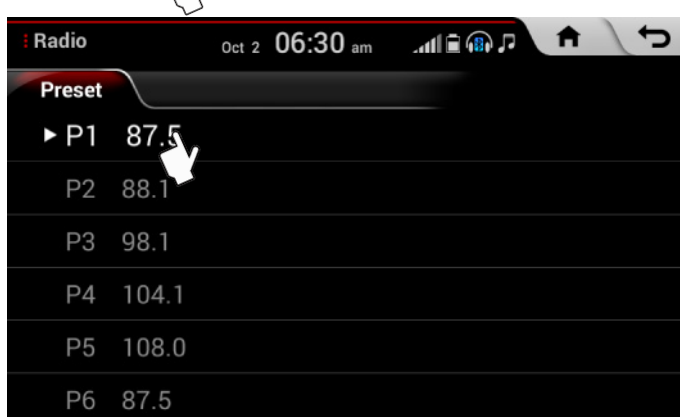
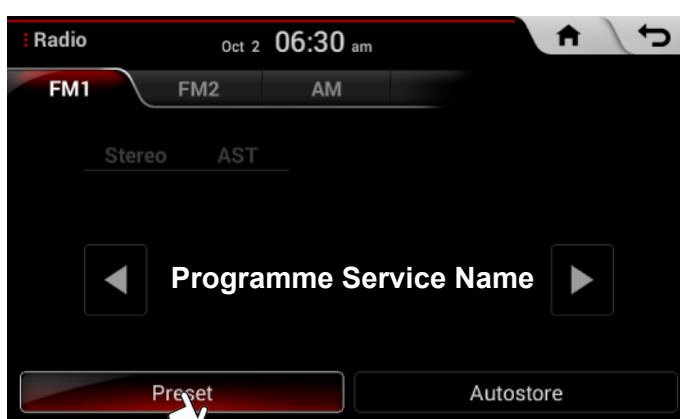
- When key is pressed shortly : Scans and receives the previous/next frequency
- When key is pressed and held : Changes frequencies while pressed. Upon release, scans and receives the next frequency

Information

Broadcast reception may become weak or intermittent when in mountain ranges or city outskirts.

Selecting Presets

Press the [Preset] button ► Select the preset you want to listen to.



Information

You can save up to 6 preset channels each for FM1, FM2 and AM.

Saving Radio Frequency

Saving Manually

After selecting frequency ► Press the [Preset] button ► Press and hold the preset list.

A 'beep' will sound to indicate that the frequency was saved to the selected preset button.

Saving Automatically

Press the [Autostore] button to automatically save receivable frequencies to Preset buttons.

A total of 18 frequencies with six preset frequencies each for FM1/FM2/AM modes can be saved.

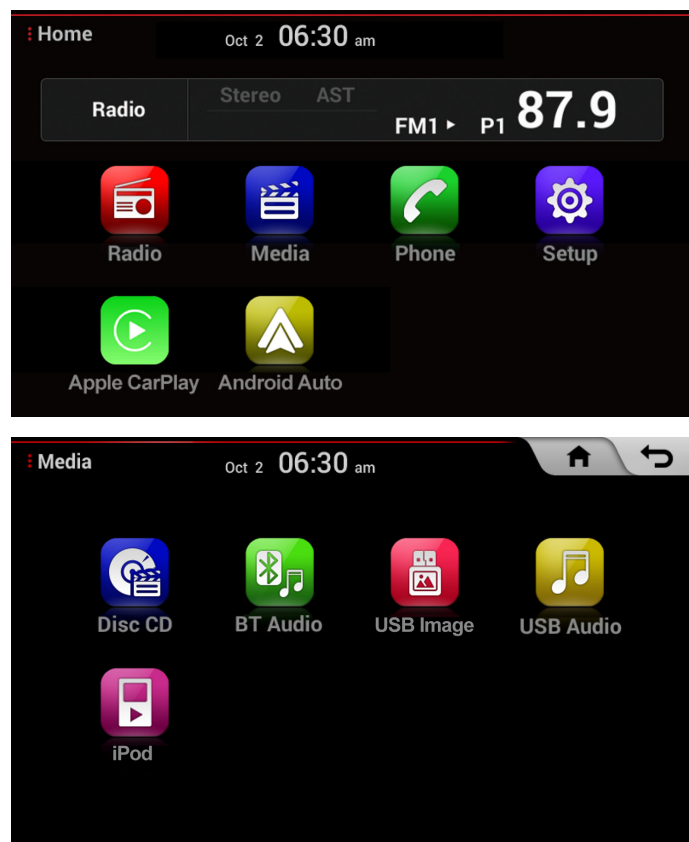


Information

While Autostore is operating, pressing the [Autostore] button again will cancel the function and play the previous frequency.

Starting Mode

Press the [HOME] key ► Press the [Media] button ► Select the desired mode.



About Discs

Precautions for Handling Discs

- After using a disc, put the disc back in its original case to prevent disc scratches.
- Do not use abnormally shaped discs (8cm, heart-shaped, octagon-shaped) as such discs could lead to malfunctions.
- Do not clean discs with chemical solutions, such as record sprays, antistatic sprays, antistatic liquids, benzene, or thinners.
- Do not expose the disc to direct sunlight or high temperatures for prolonged periods of time. Such exposure may lead to disc deformation.
- Upon playing a disc contaminated by dirt or other substances, the sound and video quality may deteriorate and result in skipping sounds. Writing on either side of the disc could result in damage to disc surfaces.
- Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.
- Copy-protected CDs, such as S-type CDs and De-interlaced Discs, may not properly operate in the device. DATA CDs cannot be played. (However, such discs may still abnormally operate.)
- Do not disassemble the device. Contact a designated service center in case of malfunction. (Complete after service assistance will not be provided if the user disassembles the device.)
- Do not use water to clean the device. Exposure to water could lead to product malfunction.
- Do not introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the device interior.
- The device may fail to properly operate in extremely hot or cold temperatures. (The operating temperature range is: -20℃ ~ 70℃)
- Steam can become condensed on the fiber optic lens due to rain, wet conditions, or upon operating the heating system. In such cases, discs may not be properly recognized could be the cause of product malfunction. Remove the disc and wait until the moisture dries.
- Skipping may occur to the audio and video when driving on bumpy roads for prolonged periods of time or upon severe shock to the vehicle. In case of severe shock, video and audio may not properly play.
- Do not attach stickers or labels on to discs. Stickers or labels could cause damage to the system.
- Do not insert more than one disc at once. Such acts could lead to product damage or malfunctions.
- Do not forcefully eject or pull on discs when a disc is being loaded into the disc player. Such acts could lead to product damage or malfunctions.
- Non-genuine discs may result in disc recognition failure or product malfunction.

Supported Disc Format

Disc Type

Disc Type	Disc Format	Device Support
CD	5inch (12cm)	O
	CD	O (Read Only)
	CD-R	O (Read Only)
	CD-RW	O (Read Only)
	Multisession-CD	
DVD	DVD	O
	DVD±R	O (Read Only)
	DVD±RW	O (Read Only)
	DVD-RAM	X

Disc Formats

Disc Type	Disc Format	Device Support
CD	CD-DA	O
	MP3	O
	WMA	O
	MPEG4 AAC	X
	VIDEO-CD	O
	DTS-CD	X
	CD-ROM	O
	CD-G	X
	CD-EXTRA	X
	CD-TEXT	O
DVD	MPEG4 (VIDEO)	O
	DivX® (VIDEO)	X
	DVD-VIDEO	O
	DVD-AUDIO	O
	DVD-MP3	O
	DVD-ROM	O

Ordinary Disc Compatibility

- This device has been designed/manufactured to be compatible with software bearing the following logo marks.



DVD-Video



Audio-CD



Video-CD

- CD-R/RW discs (Audio CD) created with CD recording devices or PCs may not properly operate in the device. This is a result of various causes, including disc format, recording method, and contamination to the disc or lens.

Dual-Layer DVD Video Discs

- When playing a dual-layer disc, video/sound lags may occur for up to several seconds. Such phenomena are not unusual when using a dual-layer disc and do not signal a product malfunction.
- CD-R or CD-RW DISC without quality guarantees or discs over 650mb may not be properly recognized by the device.
- Inserting an abnormal disc may result in faulty operation/recognition.

DVD Region Code

- The DVD player and DVD discs are set with region codes and can be played in accordance to the sales region.

PC-created Disc Compatibility

- When burning a disc on a PC, the disc may not operate in this device depending on the software settings. In such cases, inquire with the software manufacturer.
- Additional information regarding compatibility is displayed on the CD-R/RW software disc box.
- DVD-R/W discs are not compatible with this device.

PBC (Play-Back Control)-Compatible Video CD

- This device supports PBC-compatible Video CDs.

CD-R/RW Compatibility

- This device supports CD-R, CD-RW, and MP3 discs burned in Audio CD, Video CD formats.
- The recording of CD-R and CD-RW discs with this device is not supported.
- CD-R/RW discs recorded as audio CDs that were not finalized are not supported by this device.

Compressed Audio Compatibility

- Physical formats of CD: Model 1, Model 2 XA format 1.
- This device supports audio file compressed through MPEG-1 audio stream layer 3 (MP3) using 8kbps ~ 320kbps (CBR), VBR. For stable operation, the use of files in 95kbps~192kbps bit rate range and 44.1kHz SAMPLING frequency is recommended.
- This device supports WMA audio files using 20kbps ~ 320kbps(CBR), VBR.
- Variable bit rate files may operate, but the play time information may not be properly displayed.
- This device only supports tracks with file extension of “.mp3” or “.wma”.

Cautions upon Writing CDs

- When a multi-session disc is being recorded, make sure to close the session before recording.
- If MP3/WMA file extensions are changed, such could result in malfunctions.
- In the case of MP3/WMA, write using only English. (Other languages are not supported)
- Unauthorized use of copy-protected music files is prohibited by law.
- Prolonged use of CD-R/CD-RW products that do not satisfy related specifications may result in product malfunction.
- When writing CDs, low-speed writing is recommended.

Before playing a MP3 Disc

Recognition occurs through the same folder structure used within the disc.

Supported MP3 File Specification

- Acceptable standard: MPEG1 AUDIO LAYER 3
- Acceptable sampling frequency: 8, 11.025, 12, 16, 2.05, 24, 32, 44.1, 48 (kHz)
- Acceptable bit rate: 8 ~ 320 (Kbps)

Recommended bit rates and frequency

- Sampling frequency: 96 ~ 192 Kbps fixed bit rate /44.1kHz

Detailed Specifications

- Maximum folder length: 60 bytes, file name length: 60bytes.
- Supported characters for folder name/file name: 2350
- Maximum number of folders per disc: 255 folders. (including ROOT)
- Maximum number of files per disc: 5120files
- Supported ID3 tags: ID3v1 0, ID3v1 1, ID3v2 2, ID3v2 3, ID3v2 4
- Supported MP3 Media: CD-ROM
- Supported media formats: ISO9660 LEVEL1 and LEVEL2




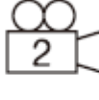

Precautions for Burning MP3 Files

- The use of ISO 9660 LEVEL 2 JOLIET format is recommended.
- The use of CDs exceeding 700MB may result in faulty disc recognition or errors when playing.

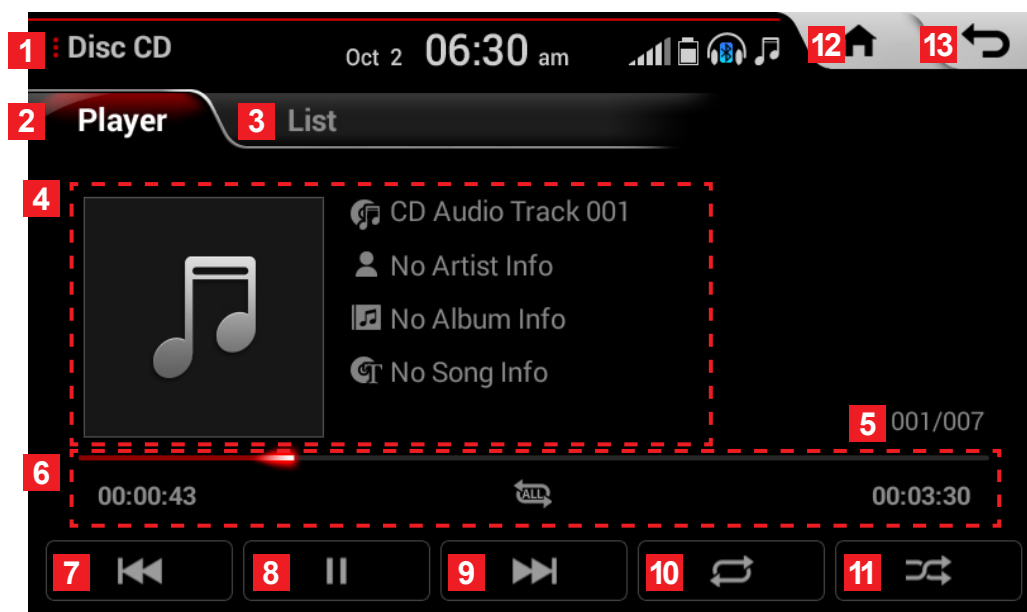
About DVD Titles

Understanding of the DVD Titles

- Contents of DVD Titles
The video and sound recorded on a DVD are divided into titles and can be recognized by their title numbers. Each title is sub-divided into smaller units called chapters and each chapter can be recognized by the chapter number. The title number and chapter number of the currently playing DVD title is displayed on the upper side of the DVD operation menu screen.
- DVD Region Code
The DVD player and DVD discs are set with region codes and can be played in accordance to the sales region. If the device region code does not support an inserted disc, the DVD cannot be played.
Check the figure below for region code information.
- Region Code Information
 - 1 : Canada and USA
 - 2 : Europe, Japan, Middle East and South Africa
 - 3 : South East Asia
 - 4 : Australia, and South America
 - 5 : Africa, Russia, and the rest of Asia
 - 6 : China

Icon	Description
	Shows the supported region codes.
	Up to 32 subtitles can be recorded within a DVD. The number within the icon indicates the number of subtitle languages recorded within the DVD.
	Up to 8 voice languages can be recorded within a DVD. The number within the icon indicates the number of voice languages recorded within the DVD.
	DVD allows viewing of filmed footage from up to 9 angles (multi-angle). The number within the icon indicates the number of screen angles.
	This icon the screen ratio and display method. "16: 9" or "4: 3" indicates the screen proportion (ratio) while "LB", "PS" and "WIDE" indicates the screen display method and stands for "Letter Box", "Pan-Scan" and "Wide Screen", respectively.

Disc CD Screen



1 Mode

Displays currently operating mode

2 Player tab

This is the main screen in which Disc CD operates

3 List tab

Moves to the list screen

4 Play Track Info

Shows track number

5 Track Index

Shows the current track/total tracks

6 Play time

Displays the current play time and total play time

7 Previous Track

- When button is pressed quickly
 - When the play time is under 3 seconds : Moves to the previous track
 - When the play time is over 3 seconds : Plays the current track from the beginning
- When button is pressed and held
 - Rewinds the current track

8 Play/Pause

Plays/pauses the current track

9 Next Track

- When button is pressed quickly
 - Moves to the next track
- When button is pressed and held
 - Fastforwards the current track

10 Repeat

Repeats the current track or all tracks

11 Shuffle

Turns Shuffle feature on/off

12 Home

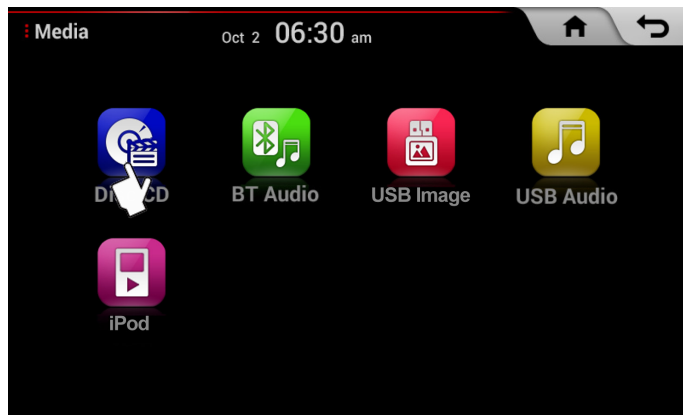
Moves to Home screen

13 Back button

Moves to the previous screen

Starting Mode

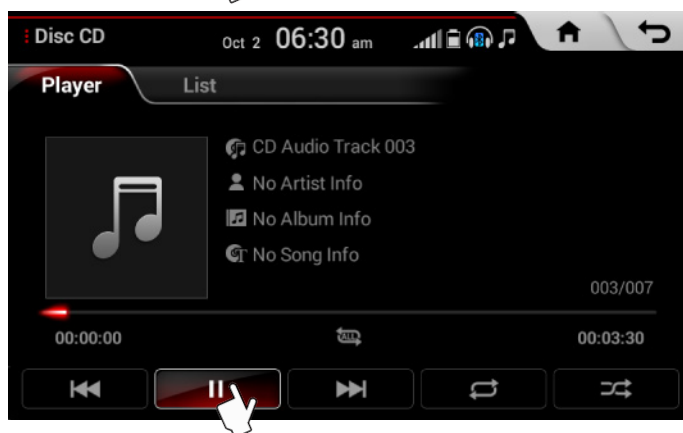
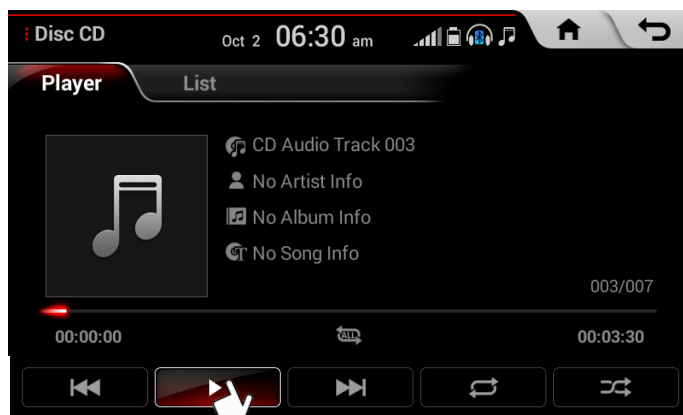
Press the [HOME] key ► Press the [Media] button ► Press the [Disc CD] button.



Information

CD mode will automatically start once a CD is inserted.

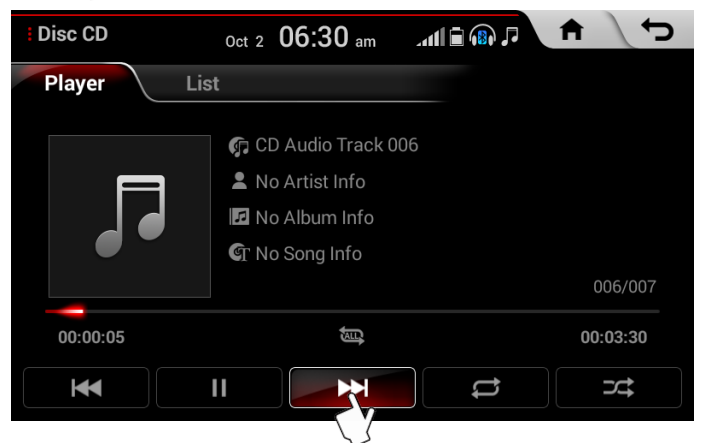
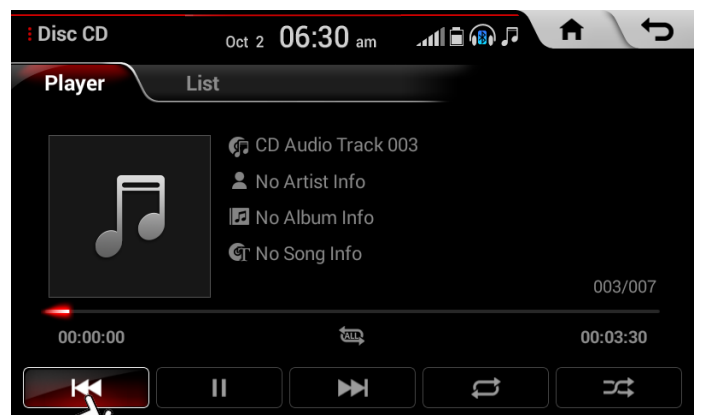
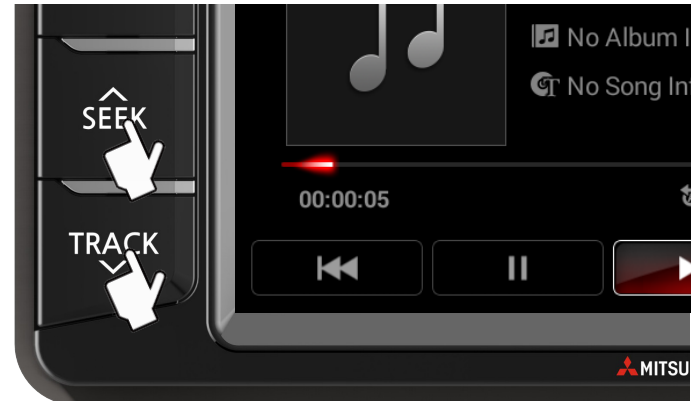
Playing a CD



- Press the [▶] button to play the track.
- Press the [||] button to pause the track.

Selecting Tracks

While playing ► Press the [^ SEEK/TRACK v] key or press the [◀, ▶] button to select the previous/next track.



Fast-forwarding or Rewinding CD Tracks

While playing ► Press and hold the [◀, ▶] button.

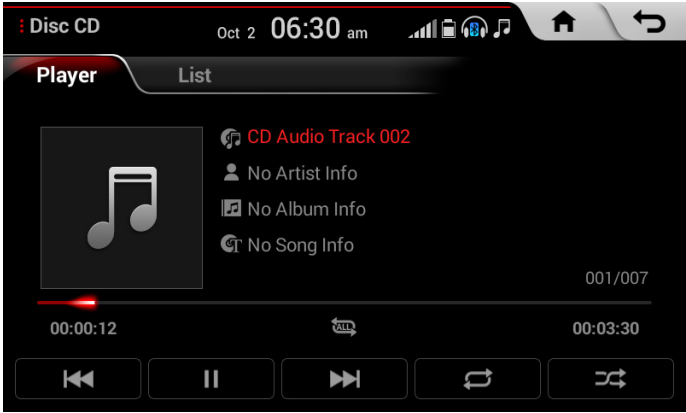
While the [◀, ▶] button is being pressed, the track will rewind or fastforward.

Once released, the track will begin playing at normal speed.

Searching CD Tracks

Searching from the Player Screen

Turn the TUNE knob ► Search tracks ► Once the desired track number is displayed, press the TUNE knob.



When searching tracks, the track number is displayed in red.

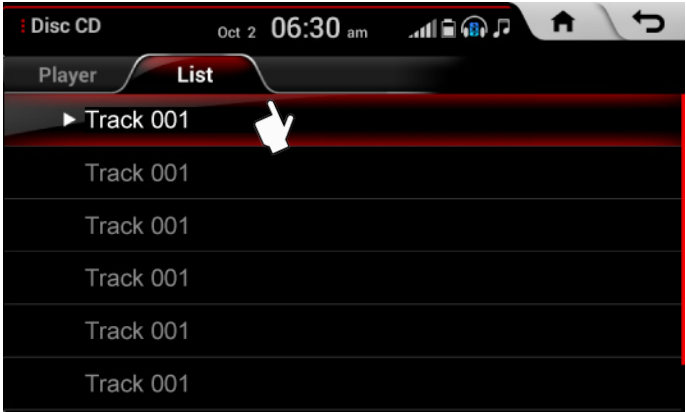
Pressing the TUNE knob will play the corresponding track.

Information

If the TUNE knob is not pressed within 5 seconds of searching tracks, the track info for the current track is restored.

Searching from the CD List Screen

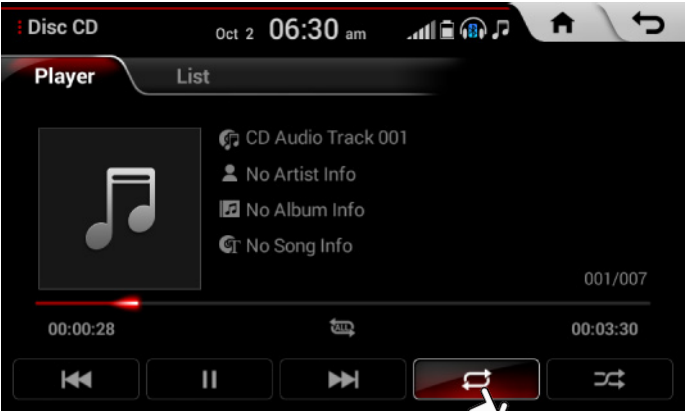
Press the [List] tab ► Turn the TUNE knob ► Search tracks ► Once the desired track number is displayed, press TUNE knob.





When searching tracks, pressing the TUNE knob will play the track highlighted in red.

Repeat

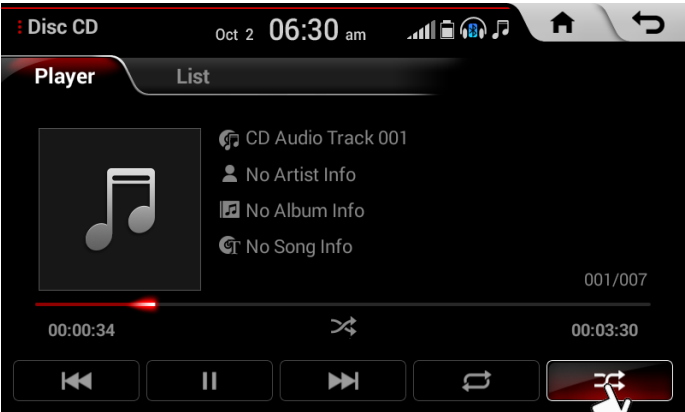
Press [].




Each time the button is pressed, the option is changed from Repeat all () ► Repeat One ().

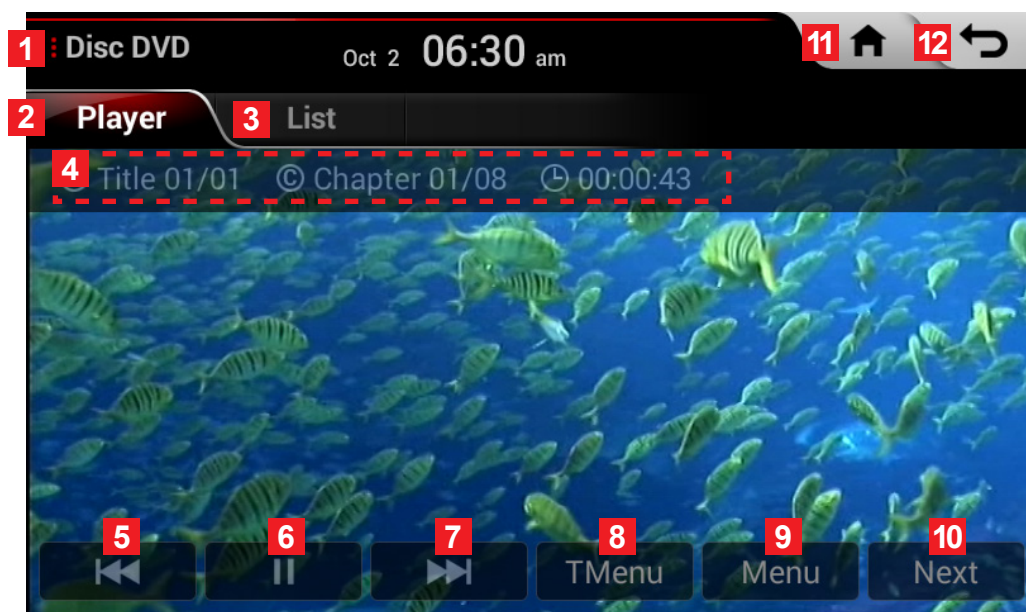
Shuffle

Press [].



Each time the button is pressed, the option is changed from Shuffle On () ► Shuffle Off.

■ Disc DVD Screen



1 Mode

Displays currently operating mode

2 Player tab

This is the main screen in which Disc DVD operates

3 List tab

Moves to the list screen

4 Play Info

Shows current DVD title/chapter number and play time

5 Previous Chapter

- When button is pressed quickly
 - When the play time is under 3 seconds : Moves to the previous chapter
 - When the play time is over 3 seconds : Plays the current chapter from the beginning
- When button is pressed and held
 - Rewinds the current chapter

6 Play/Pause

Plays/pauses the current chapter

7 Next Chapter

- When button is pressed quickly
 - Moves to the next chapter
- When button is pressed and held
 - Fastforwards the current chapter

8 TMenu

Moves to the Title menu screen

9 Menu

Moves to the DVD menu screen

10 Next

Shows the Voice, Subtitle and Angle menu

11 Home

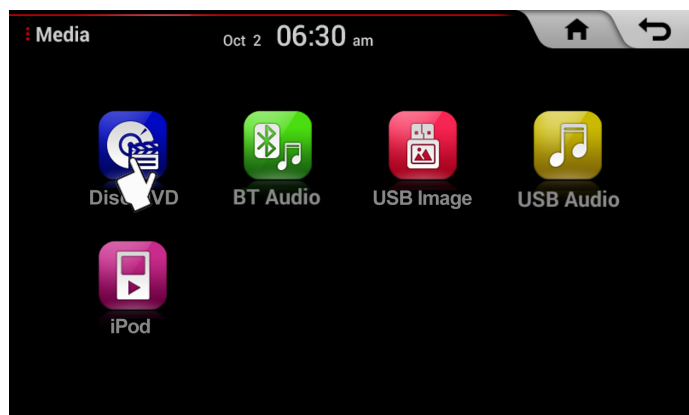
Moves to Home screen

12 Back button

Moves to the previous screen

Starting Mode

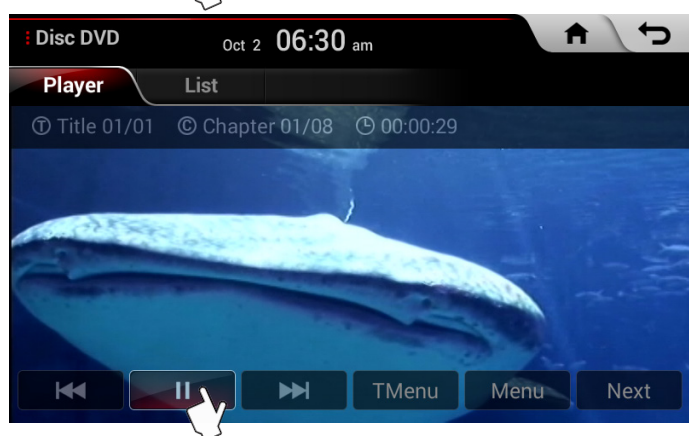
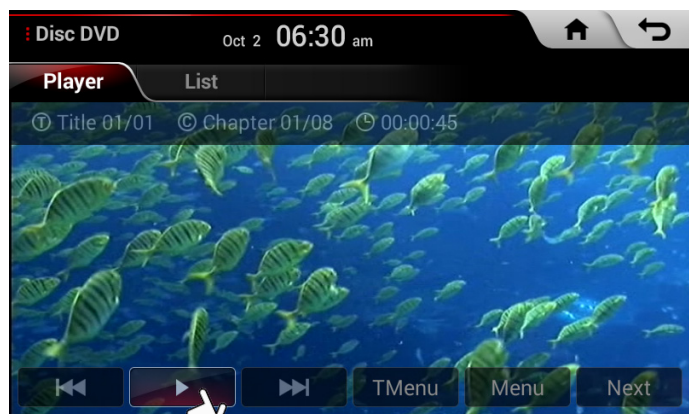
Press the [HOME] key ► Press the [Media] button ► Press the [Disc DVD] button.



Information

DVD mode will automatically start once a DVD is inserted.

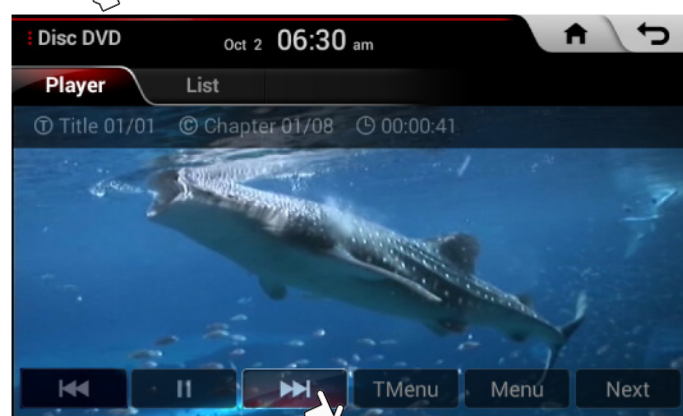
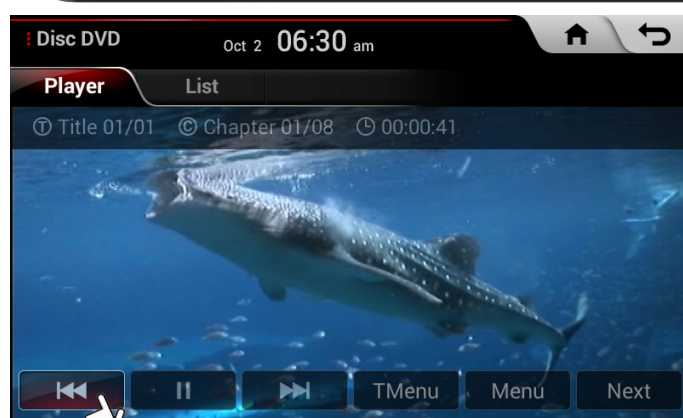
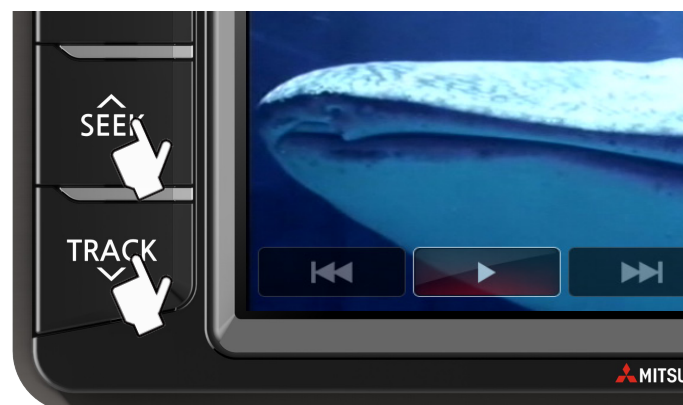
Playing a DVD



- Press the [►] button to play the chapter.
- Press the [||] button to pause the chapter.

Selecting Chapters

While playing ► Press the [^ SEEK, TRACK v] key or press the [◀◀, ▶▶] button to select the previous/next chapter.



Fast-forwarding or Rewinding DVD Chapter

While playing ► Press and hold the [◀◀, ▶▶] button.

While the [◀◀, ▶▶] button is being pressed, the chapter will rewind or fastforward.

Once released, the chapter will begin playing at normal speed.

Searching Titles/Chapters

Press the [List] tab to search DVD titles and chapters.



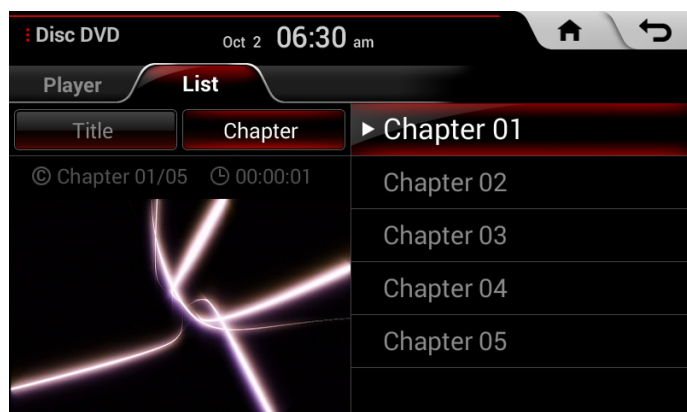
Searching Titles

Press the [Title] button ► Turn the TUNE knob ► Search titles ► Once the desired title number is displayed, press TUNE knob.

When searching titles, pressing the TUNE knob will play the title highlighted in red.

Searching Chapters

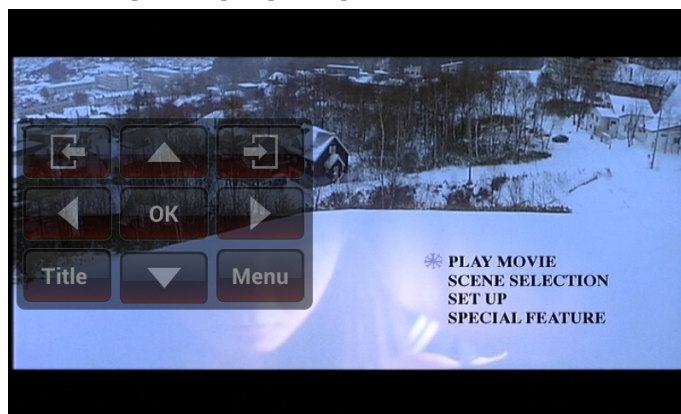
Press the [Chapter] button ► Turn the TUNE knob ► Search chapter ► Once the desired chapter number is displayed, press TUNE knob.



When searching chapters, pressing the TUNE knob will play the chapter highlighted in red.

Title/DVD Menu

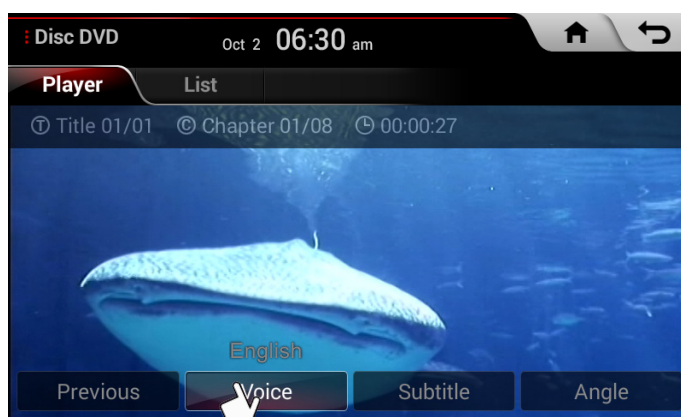
Press the [TMenu] or [Menu] button.



Push the controller up/down/left/right directions to select the desired menu and press the [OK] button.

Voice Language

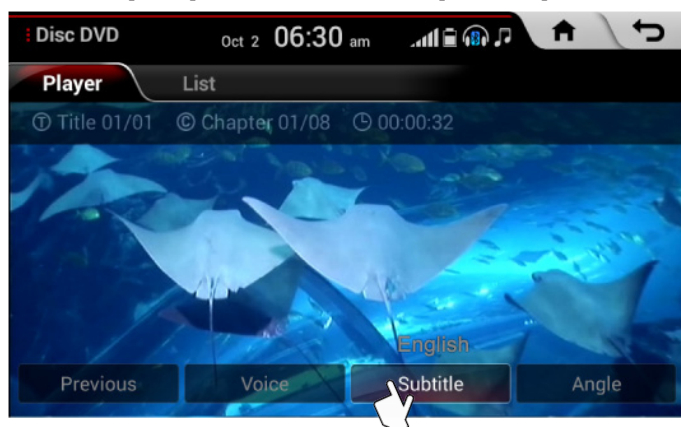
Press the [Next] button ► Press the [Voice] button.



Each time the button is pressed, the voice language is changed.

Subtitle Language

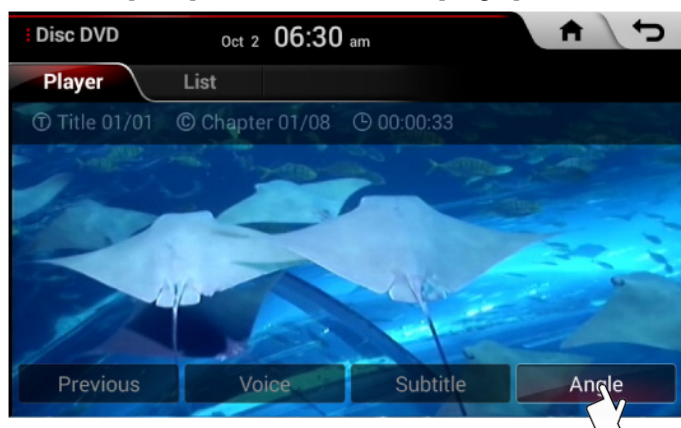
Press the [Next] button ► Press the [Subtitle] button.



Each time the button is pressed, the subtitle language is changed.

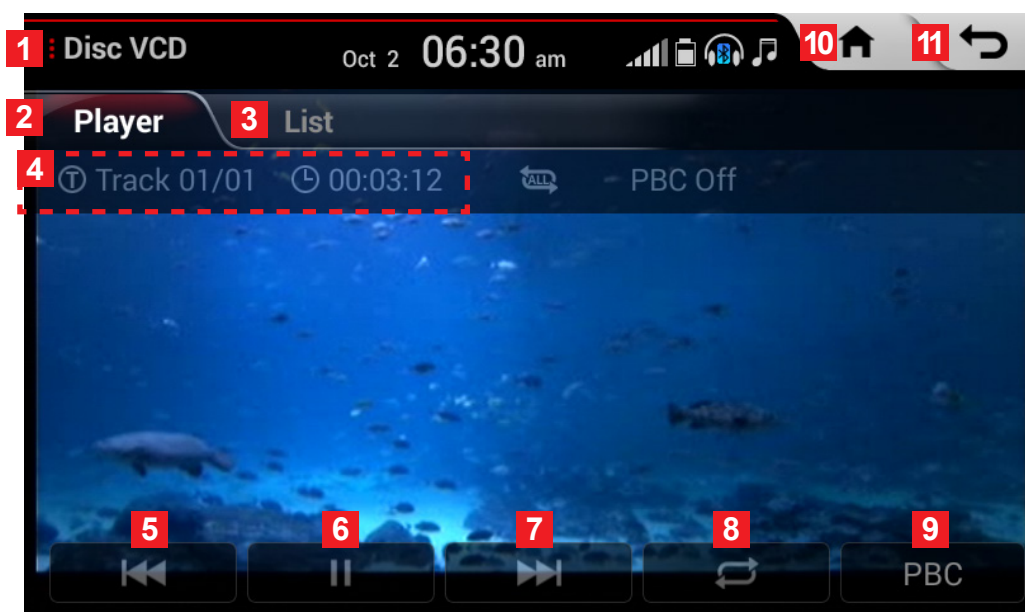
Angle

Press the [Next] button ► Press the [Angle] button.



Each time the button is pressed, the angle is changed.

Disc VCD Screen



1 Mode

Displays currently operating mode

2 Player tab

This is the main screen in which Disc VCD operates

3 List tab

Moves to the list screen

4 Play Track Info

Shows track number and play time

5 Previous Track

- When button is pressed quickly
 - When the play time is under 3 seconds : Moves to the previous track
 - When the play time is over 3 seconds : Plays the current track from the beginning
- When button is pressed and held
 - Rewinds the current track

6 Play/Pause

Plays/pauses the current track

7 Next Track

- When button is pressed quickly
 - Moves to the next track
- When button is pressed and held
 - Fastforwards the current track

8 Repeat

Repeats the current track or all tracks

9 PBC

Moves to PBC screen

10 Home

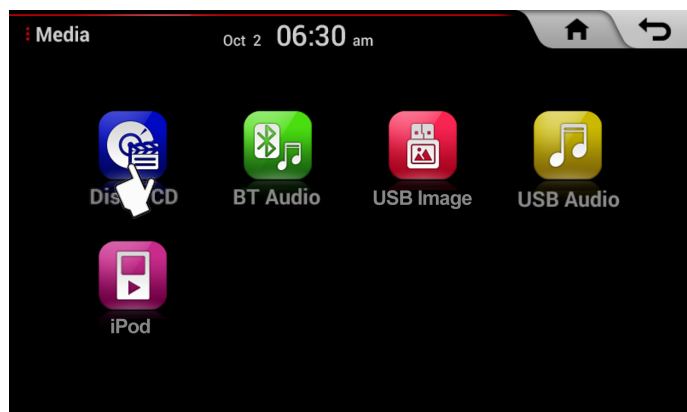
Moves to Home screen

11 Back button

Moves to the previous screen

Starting Mode

Press the [HOME] key ► Press the [Media] button ► Press the [Disc VCD] button.

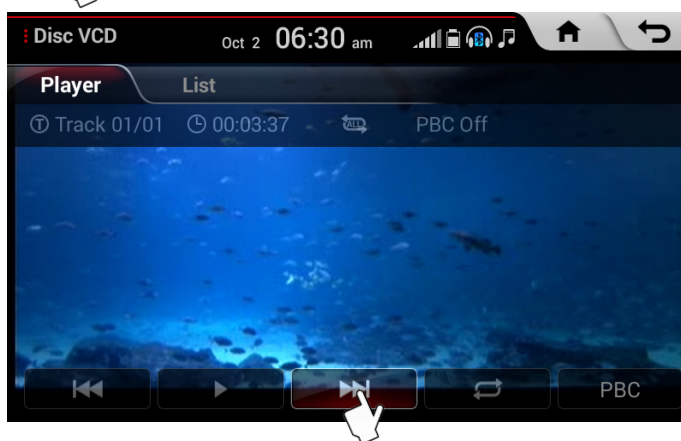
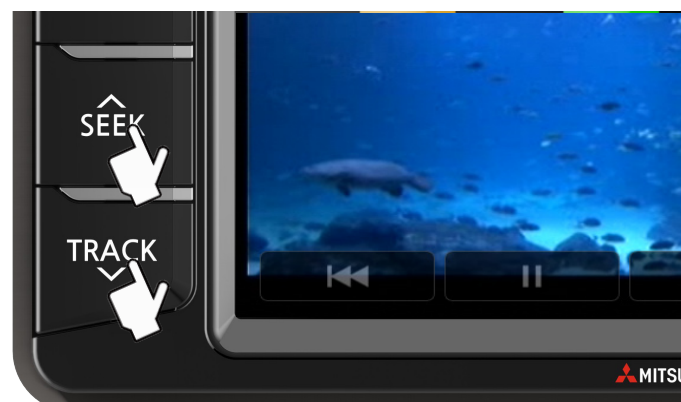


Information

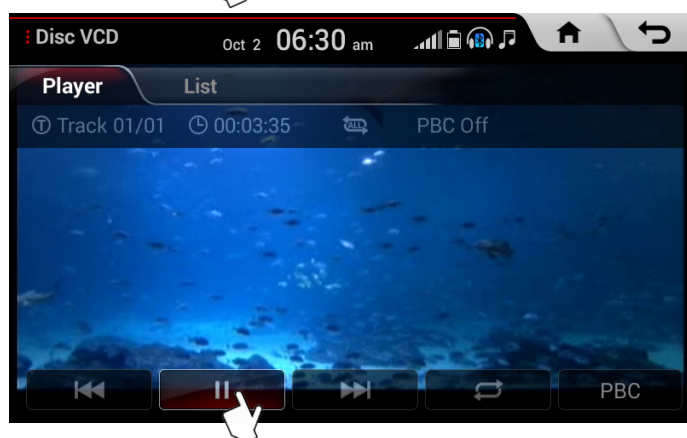
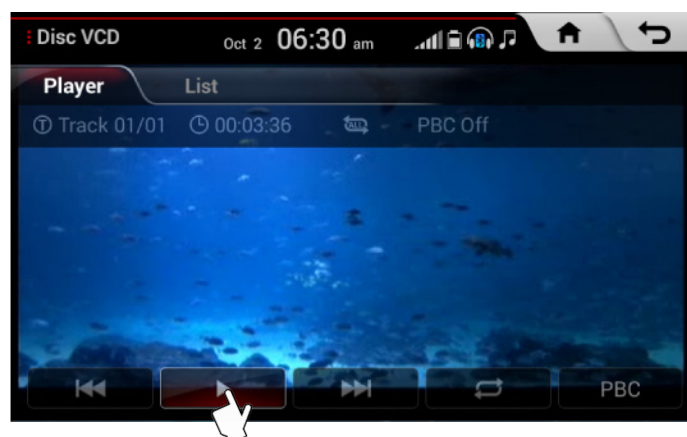
VCD mode will automatically start once a VCD is inserted.

Selecting VCD Tracks

While playing ► Press the [^ SEEK , TRACK v] key or press the [◀◀, ▶▶] button to select the previous/next track.



Playing a VCD



- Press the [▶] button to play the track.
- Press the [||] button to pause the track.

Fast-forwarding or Rewinding VCD Tracks

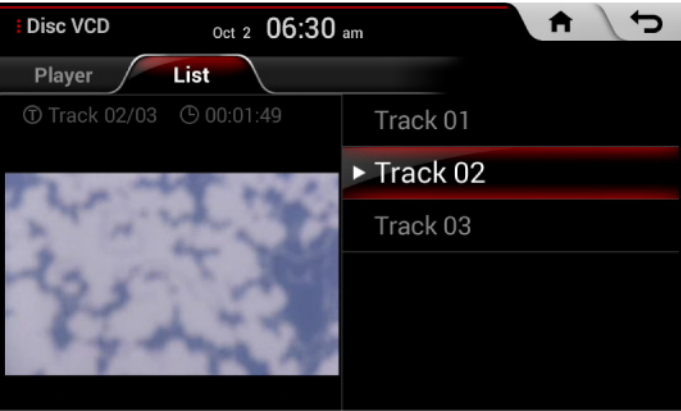
While playing ► Press and hold the [◀◀, ▶▶] button.

While the [◀◀, ▶▶] button is being pressed, the track will rewind or fastforward.

Once released, the track will begin playing at normal speed.

Searching VCD Tracks

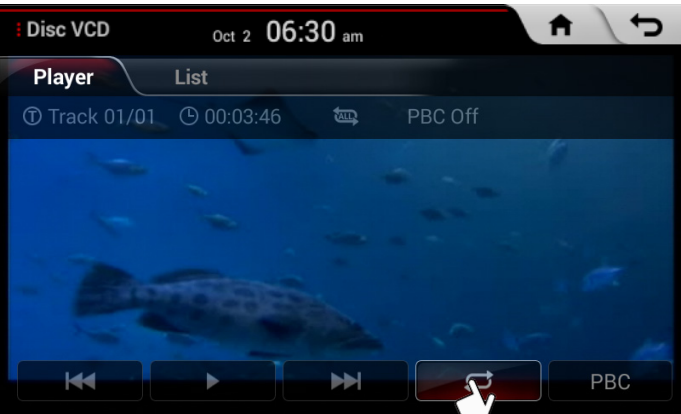
Press the [List] tab ► Turn the TUNE knob ► Search tracks
► Once the desired track number is displayed, press TUNE knob.





When searching files, pressing the TUNE knob will play the file highlighted in red.

Repeat

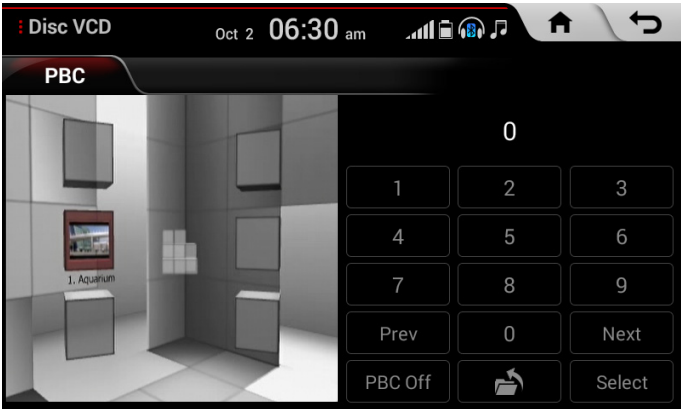
Press [].



Each time the button is pressed, the option is changed from Repeat all () ► Repeat One ().


PBC

Press the [PBC] button to display PBC screen.



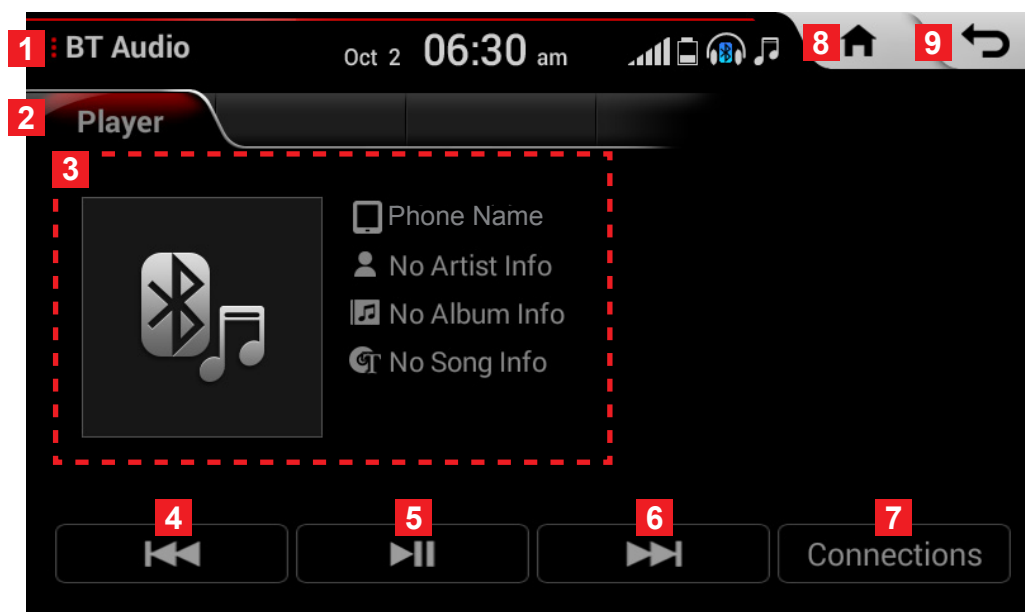
Input the page number you want to play ► Press the [Select] button.

Press the [back] or [PBC OFF] button to move to the player screen.

 **Information**

PBC menu only operates with PBC-compatible Video CDs .

Bluetooth Audio Screen



1 Mode

Displays currently operating mode

2 Player tab

This is the main screen in which Bluetooth Audio operates

3 Play file Info

Shows phone name / file name / artist / album information

4 Previous file

- When button is pressed quickly
 - When the play time is under 3 seconds : Moves to the previous file
 - When the play time is over 3 seconds : Plays the current file from the beginning
- When button is pressed and held
 - Search the previous file

5 Play/Pause

Plays/pauses the current file

6 Next file

- When button is pressed quickly
 - Moves to the next file
- When button is pressed and held
 - Search the next file

7 Connections

Move to Bluetooth Connections screen

8 Home

Moves to Home screen

9 Back button

Moves to the previous screen



Information

The title/artist info may not be supported in some cellular phones.

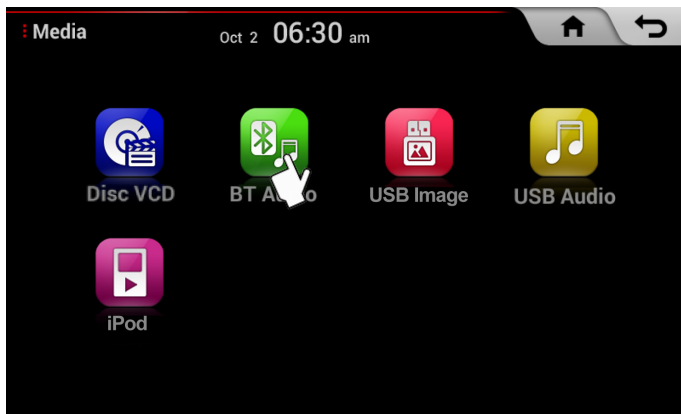
- The play/pause feature may operate differently depending on the mobile phone.

Using Bluetooth® Audio Mode

- Bluetooth® Audio Mode can be used only when a Bluetooth® phone has been connected.
- While Bluetooth® Audio is playing, if the Bluetooth® phone is disconnected, then the music will also stop.
- Bluetooth® streaming audio may not be supported in some cellular phones.

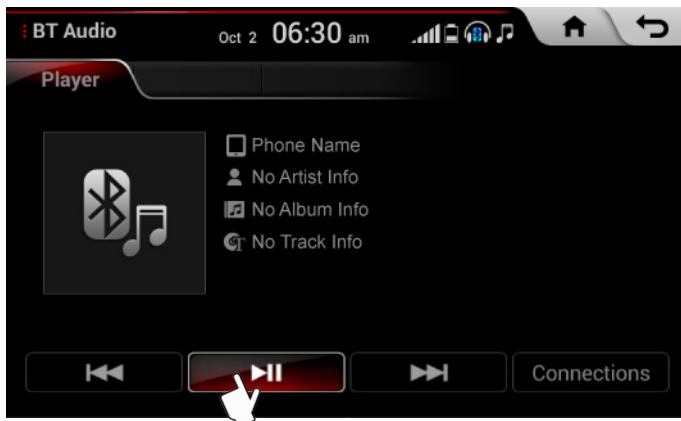
Starting Mode

Press the [HOME] key ▶ Press the [Media] button ▶ Press the [BT Audio] button.



If the Bluetooth device is not connected, then the BT Music icon will be disabled.

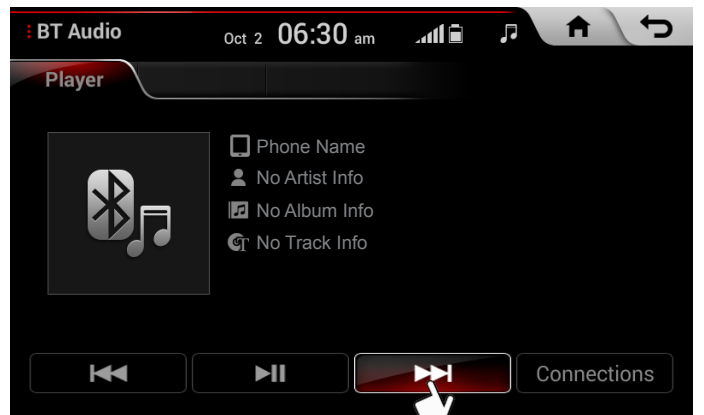
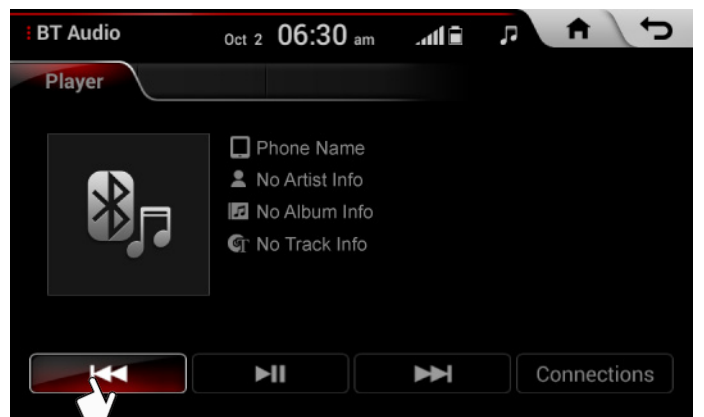
Starting Mode



- Press the [▶||] button to play the file.
- Press the [▶||] button again to pause the file.

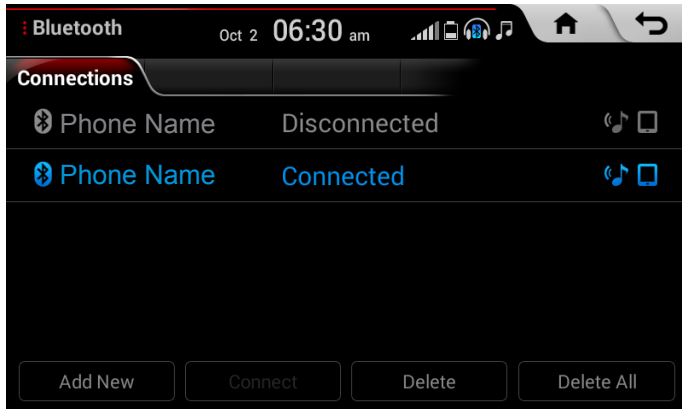
Selecting Bluetooth Audio files

While playing ▶ Press the [^ SEEK , TRACK v] key or press the [◀◀, ▶▶] button to select the previous/next file.



Setting Connections

Press the [Connections] button to add, connect/disconnect, delete and delete all devices.



For details on setting connection, refer to “Bluetooth Connection” page 57.

About USB

⚠ CAUTION

- Connect the USB device after turning on the engine. The USB device may become damaged if it is already connected when the ignition is turned on.
- Files that are not standard MP3 and WMA format files are not supported.
- For MP3/WMA files, only music files with compression rates between 8Kbps ~ 320Kbps can be played.
- Heed caution to static electricity when connecting/disconnecting external USB devices.
- Encoded MP3 Players will not be recognized when connected as an external device.
- When connecting an external USB device, the device may not properly recognize the USB in some conditions.
- Only products formatted with byte/sectors under 64Kbyte will be recognized.
- This device recognizes USB devices formatted in FAT 12/16/32.
- Some USB devices may not be supported due to compatibility issues.
- Avoid contact between the USB connector with bodily parts/foreign objects.
- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- Make sure to connect/disconnect external USB devices with the audio power turned off.
- The amount of time required to recognize the external USB device may differ depending on the type, size, or file formats stored on the USB. Such differences in required time are not indications of malfunction.
- Please wait until the device fully recognizes the USB devices. The device supports only USB devices used to play music/image files.
- Do not use the USB I/F to charge batteries or USB accessories that generate heat. Such acts may lead to worsened performance or damage to the device.
- The device may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multi-media terminal of the vehicle.
- When using mass storage USB devices with separate logical drives, only files saved to the root drive can be played.
- When application programs are installed to specific USBs, files may not properly play.
- The device may not operate normally if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized as portable disk drives) are connected with the device.
- Charging through the USB may not work for some mobile devices.
- The device may not support normal operation when using a USB memory type besides Metal Cover Type USB Memory.
- The device may not support normal operation when using formats such as HDD Type or CF Memory.
- The device will not support files locked by DRM (Digital Rights Management.) USB memory sticks used by connecting an Adaptor (CF Type) may not be properly recognized. Only use Plug type connector products, as shown in the figure below.

Plug-in type connector ▶



Image Specification (USB)

Product Name	Description
Image Format	JPG, BMP, GIF, PNG
Image Resolution	4,000 x 3,000 max/5MBytes
Unsupported File	<ul style="list-style-type: none"> Files with unsupported specifications Format modified files (Files with modified file formats) Files without indexes High resolution file may operate abnormally or not properly display

Product Name	Manufacturer
XTICK	LG
BMK	BMK Technology
SKY-DRV	Skydigital
TRANSCEND JetFlash	Transcend
Sandisk Cruzer	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	Digiworks



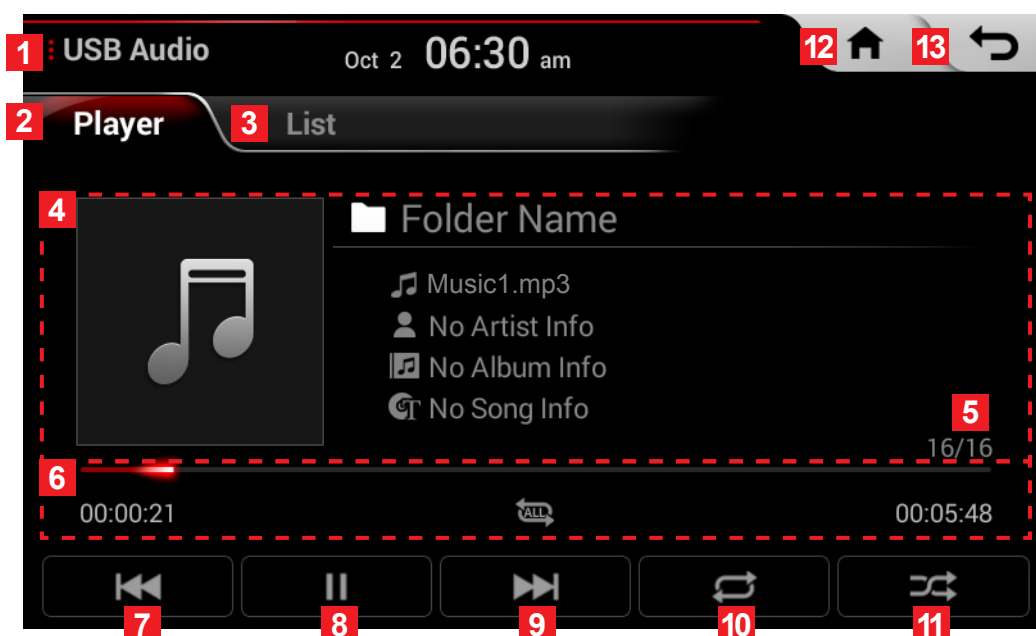
Information

Problems that occur through use of USB devices not listed within the above table are not covered by the product warranty.

USB MP3 Information and Precautions

Product Name	Description
MP3 file specification	Specification: MPEG1 AUDIO LAYER3
Recommended bit rates and sampling frequency	Acceptable sampling frequency: 32, 44.1, 48 (KHz)
	Acceptable frequency: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (Kbps)
	96, 128, 192 Kbps fixed bit rate/44.1KHz
ID3 Tag	Supports ID3v1.0 and ID3v1.1, ID3v2.2, ID3v2.3, ID3v2.4 ID3 tags
Detailed Specifications	<p>Maximum directory layers: 20 layers</p> <p>Maximum length of folder name/file name: 255Bytes</p> <p>Supported characters for folder name/file name: Maximum number of folders which can be stored onto one USB: 2000 folders (including ROOT)</p> <p>Maximum number of files which can be stored onto one USB: 8000 (including folders)</p>

■ USB Audio Screen



1 Mode

Displays currently operating mode

2 Player tab

This is the main screen in which USB Audio operates

3 List tab

Moves to the list screen

4 Play file Info

Shows file name/folder/artist/album/genre information

5 File Index

Shows the current file/total files

6 Play time

Displays the current play time and total play time

7 Previous file

- When button is pressed quickly
 - When the play time is under 3 seconds : Moves to the previous file
 - When the play time is over 3 seconds : Plays the current file from the beginning
- When button is pressed and held
 - Search the previous file

8 Play/Pause

Plays/pauses the current file

9 Next file

- When button is pressed quickly
 - Moves to the next file
- When button is pressed and held
 - Search the next file

10 Repeat

Repeats the current file/all file/folder

11 Shuffle

Turns Shuffle feature on/off

12 Home

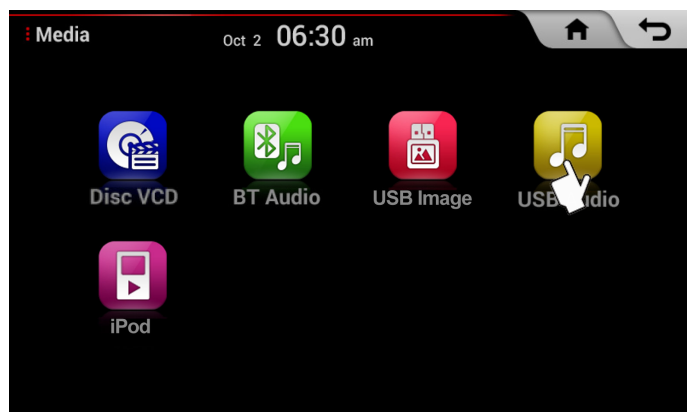
Moves to Home screen

13 Back button

Moves to the previous screen

Starting Mode

Press the [HOME] key ► Press the [Media] button ► Press the [USB Audio] button.

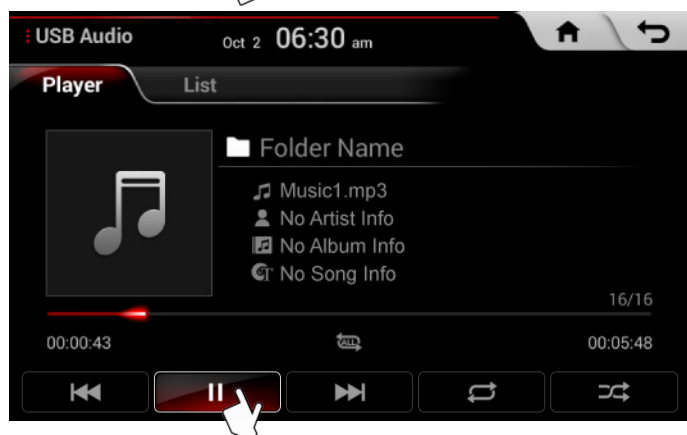
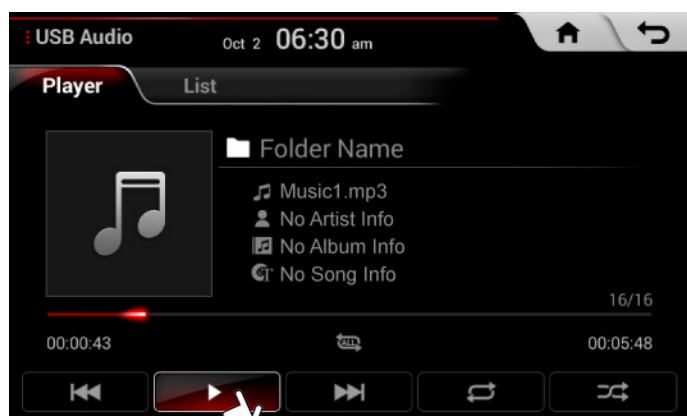


If the USB is not connected, then the USB Audio icon will be disabled.

Information

USB mode will automatically start once a USB is connected.

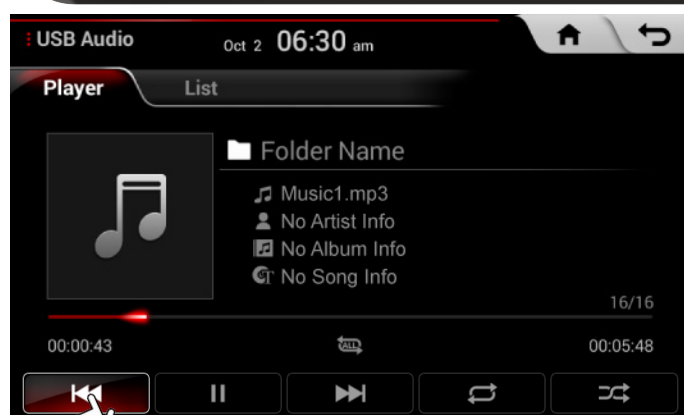
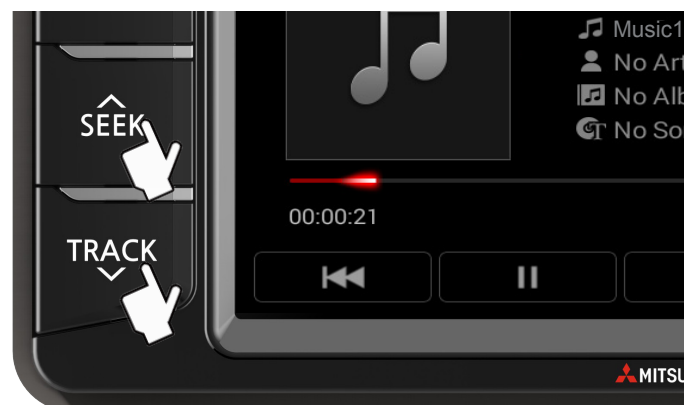
Playing a USB Audio



- Press the [▶] button to play the file.
- Press the [||] button to pause the file.

Selecting USB Audio files

While playing ► Press the [^ SEEK, TRACK v] key or press the [◀, ▶] button to select the previous/next file.



Press and hold the [^ SEEK, TRACK v] key or press the [◀, ▶] button to search the previous/next file quickly. While the [^ SEEK, TRACK v] key or [◀, ▶] button is being pressed, the file name is displayed in red. Once released, the file you select will begin playing.

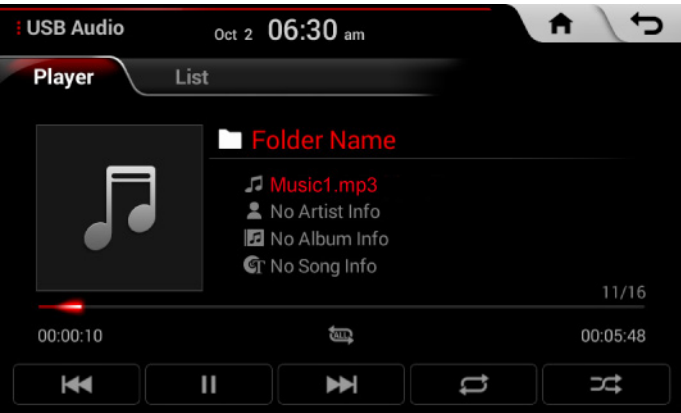
Fast-forwarding or Rewinding USB Audio files

While playing ► Drag or touch the slider along the play bar in the Audio screens to jump to the point that you want to play from.

Searching USB Audio files

Searching from the Player Screen

Turn the TUNE knob ▶ Search files ▶ Once the desired file name is displayed, press the TUNE knob.



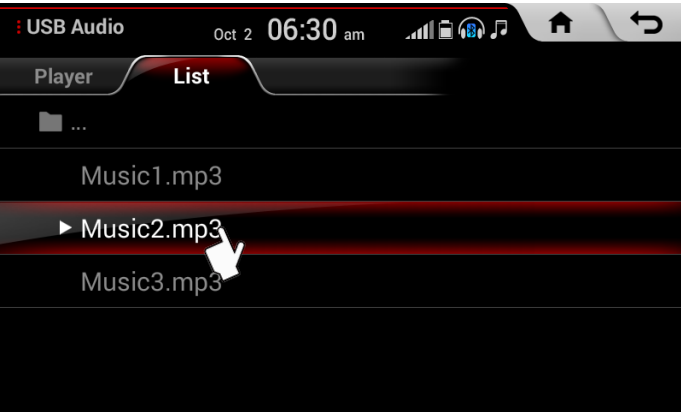
When searching files, the file name is displayed in red. Pressing the TUNE knob will play the corresponding file.

Information

If the TUNE knob is not pressed within 5 seconds of searching files, the file info for the current file is restored.

Searching from the USB Audio List Screen

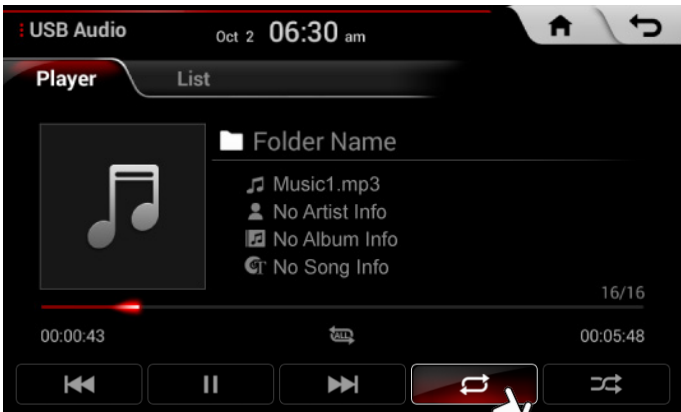
Press the [List] tab ▶ Turn the TUNE knob ▶ Search files ▶ Once the desired file is displayed, press TUNE knob.






When searching files, pressing the TUNE knob will play the file highlighted in red.

Repeat

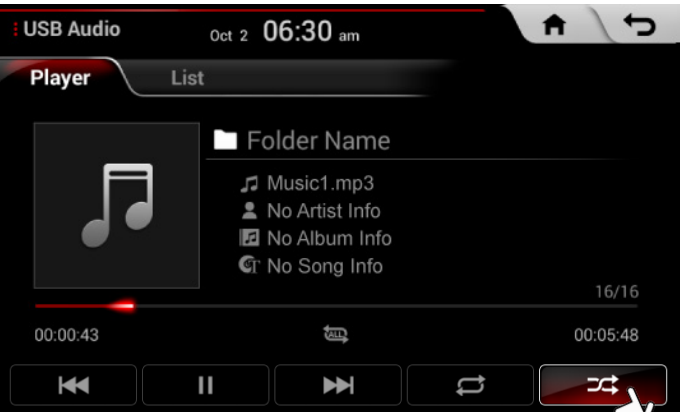
Press [].





Each time the button is pressed, the option is changed from Repeat all () ▶ Repeat Folder ( RPT) ▶ Repeat One ().

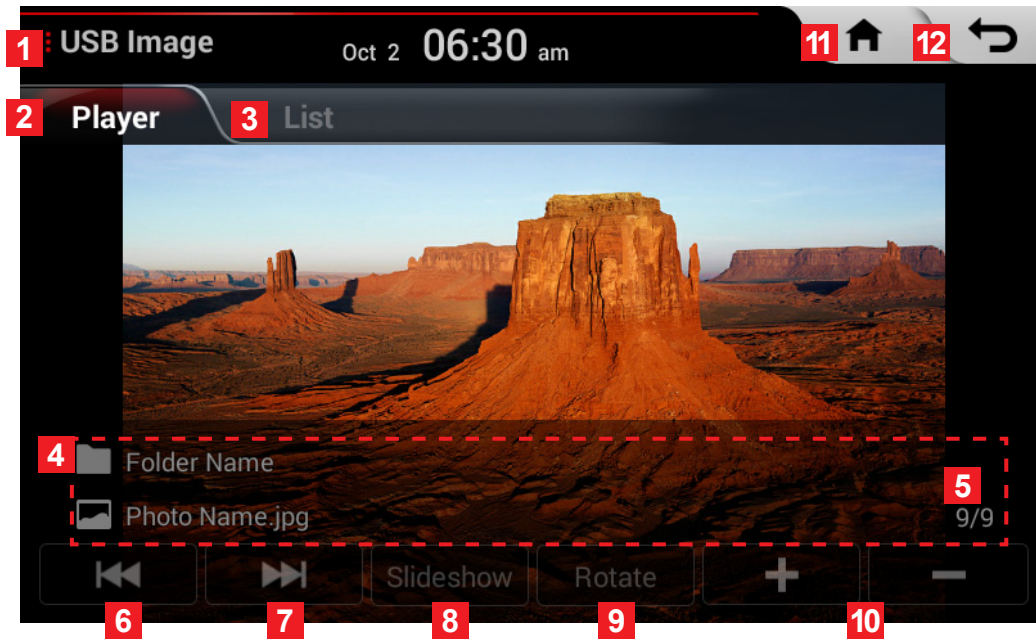
Shuffle

Press [].



Each time the button is pressed, the option is changed from Shuffle On () ▶ Shuffle Folder ( RDM) ▶ Shuffle Off.

■ USB Image Screen



1 Mode

Displays currently operating mode

2 Player tab

This is the main screen in which USB Image operates

3 List tab

Moves to the list screen

4 Play file Info

Shows file name/folder/index information

5 File Index

Shows the current file/total files

6 Previous Image

Shows previous image

7 Next Image

Shows next image

8 Slideshow

View images as slideshow in 5, 10, 20, 30 second intervals

9 Rotate

Rotate image in clockwise direction

10 Zoom In/Out

Enlarges/reduces image

11 Home

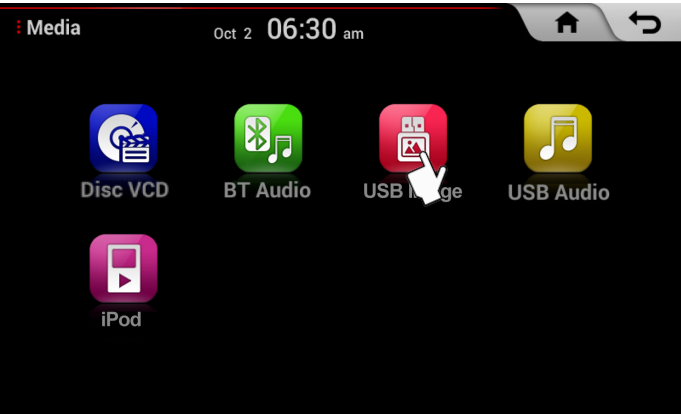
Moves to Home screen

12 Back button

Moves to the previous screen

Starting Mode

Press the [HOME] key ▶ Press the [Media] button ▶ Press the [USB Image] button.



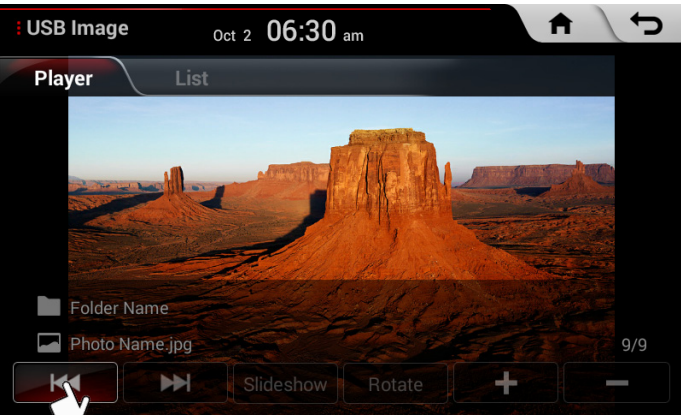
If the USB is not connected, then the USB Image icon will be disabled.

Information

USB mode will automatically start once a USB is connected.

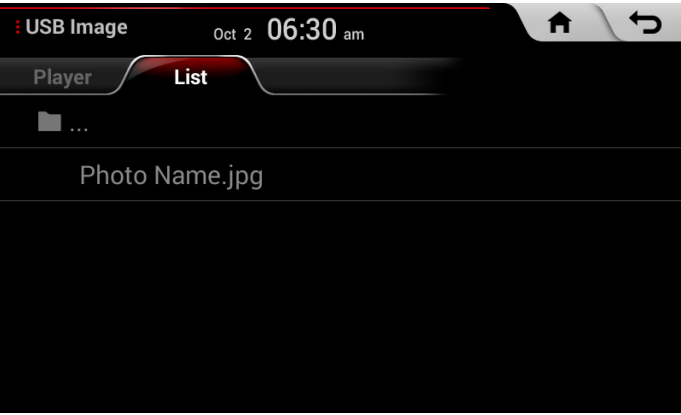
Selecting USB Image files

While playing ▶ Press the [◀◀, ▶▶] button to view the previous/next file.



Searching from the USB Image List Screen

Press the [List] tab ▶ Flick the lists or press [▲, ▼] buttons ▶ Search files ▶ Once the desired file is displayed, press the file name.



Slide Show

Press the [Slideshow] button ▶ Press the desired Display Time.

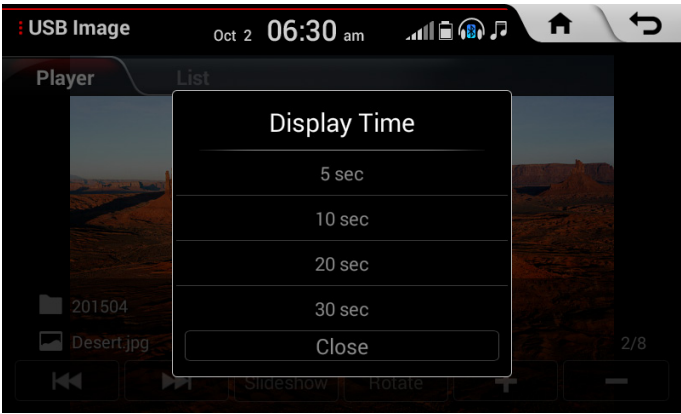
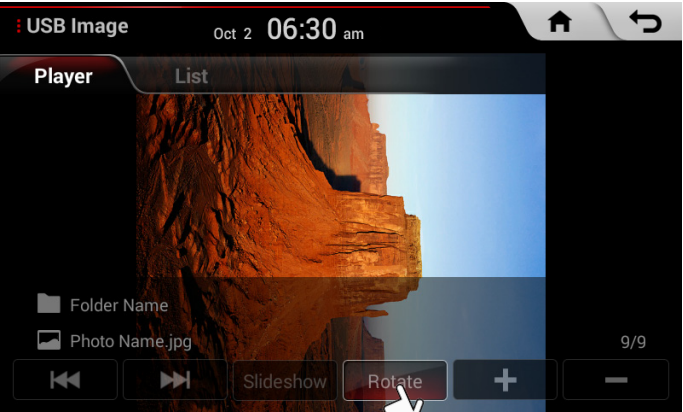



Image slide show intervals can be set at 5 Sec, 10 Sec, 20 Sec or 30 Sec intervals.

Rotate

Press the [Rotate] button.



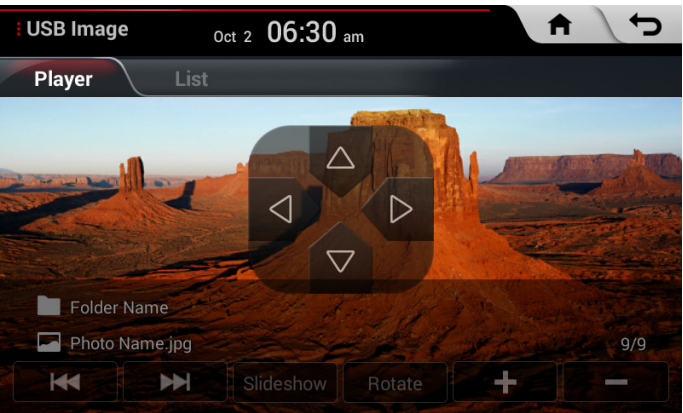
Each time the Rotate button is pressed, the image is rotated from 0° → 90° → 180° → 270° degrees.

 **Information**

The image will be restored to its original position when returning to it after viewing a different image.

Adjusting Image Size

Press [+ , -].



The scale can be changed to x1/4, x1/2, x1, x2, x4.
Press the [$\Delta \nabla \triangleleft \triangleright$] to move the screen.

Using iPod Devices

⚠ CAUTION

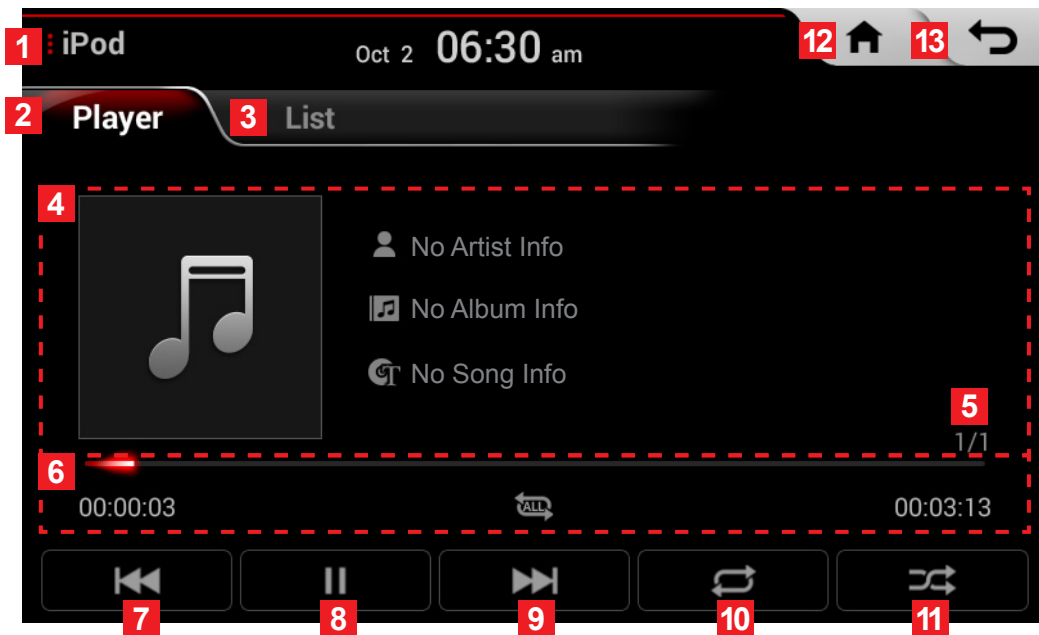
- iPod is a registered trademark of Apple Inc.
- iPod mode will not operate if the connected iPod cannot be recognized due to operation of unsupported versions that do not support related protocols, iPod abnormalities, or iPod device defects.
- Some iPods with unsupported communication protocols may not properly operate in the Audio Video system.
- For fifth generation iPod Nano devices, the iPod may not be recognized when the battery level is low. Please charge the iPod for use.
- Search/play orders shown within the iPod device may differ with the orders shown within the Audio Video system.
- If the iPod malfunctions due to an iPod device defect, reset the iPod and try again. (To learn more, refer to your iPod manual)
- For some iPod Touch and iPhone devices, connecting Bluetooth® while the iPod is operating may result in discontinued iPod sound. When such devices with Bluetooth® support is connected, this problem occurs as the sound source is changed from the Dock Connector (USB connector cable) to Bluebird (Audio Video Bluetooth® Module).
- To listen to the iPod sound, re-connect the USB cable or exit then re-enter iPod mode.
- In order to use the iPod while operating the keys, you must use a dedicated iPod cable. (the cable that is supplied when purchasing iPod/iPhone products)
 - ※ During ACC ON state, connecting the iPod through the iPod cable (the cable that is supplied when purchasing iPod/iPhone products), will charge the iPod through the head unit.
 - ※ The use of genuine iPod cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation.)
- When connecting with the iPod cable, make sure to fully insert the jack to prevent communication interference. If the iPod is connected to the vehicle while it is playing, a high pitch tone may sound for about 1~2 seconds immediately after connection.
- Within iPhones, streaming audio and iPod control may occasionally conflict. If problems persist, remove the iPhone and connect again.
- Some iPod versions may not sync with the system. In such a case, the system may not properly restore the previously operated mode. (For iPads, battery charging is not supported.)
- Applications that are not exclusively used as iPod Applications within iPhone/iPod devices are not supported.

Supported iPod devices

Device / Generation	1G	2G	3G	4G	5G	6G	6.5G	7G
iPod classic	Not Supported				○ (iPod with video)	○ (iPod Classic)	○ (iPod Classic)	Not re-leased
iPod nano	○	○	○	○	○	○	Not re-leased	○
iPod mini	Not Supported							
iPod shuffle	Not Supported							
iPod touch	○	○	○	○	○	Not Supported		
iPad	△ : Unable to charge, not verified, normal operation not guaranteed							
iPad mini	△ : Unable to charge, not verified, normal operation not guaranteed							

Device / Generation	3G	3GS	4	4S	5	5C	5S	6	6 PLUS
iPhone	Not verified, normal operation not guaranteed	○	○	○	○ (under iOS 7.1)	○ (under iOS 7.1)	○ (under iOS 7.1)	○ (under iOS 7.1)	○ (under iOS 7.1)

■ iPod Screen



1 Mode

Displays currently operating mode

2 Player tab

This is the main screen in which iPod Music operates

3 List tab

Moves to the list screen

4 Play file Info

Shows file name/folder/artist/album information

5 File Index

Shows the current file/total files

6 Play time

Displays the current play time and total play time

7 Previous file

- When button is pressed quickly
 - When the play time is under 3 seconds : Moves to the previous file
 - When the play time is over 3 seconds : Plays the current file from the beginning
- When button is pressed and held
 - Search the previous file

8 Play/Pause

Plays/pauses the current file

9 Next file

- When button is pressed quickly
 - Moves to the next file
- When button is pressed and held
 - Search the next file

10 Repeat

Repeats the current file/all file/folder

11 Shuffle

Turns Shuffle feature on/off

12 Home

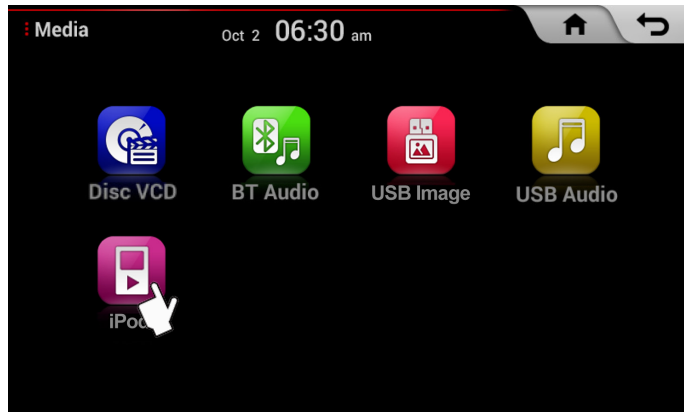
Moves to Home screen

13 Back button

Moves to the previous screen

Starting Mode

Press the [HOME] key ► Press the [Media] button ► Press the [iPod] button.



If the iPod is not connected, then the iPod icon will be disabled.



Information

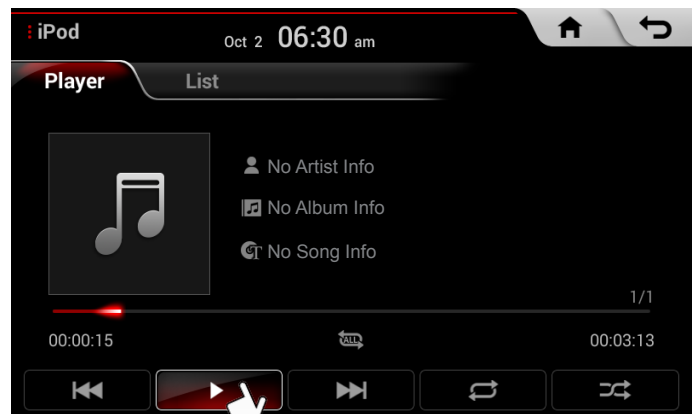
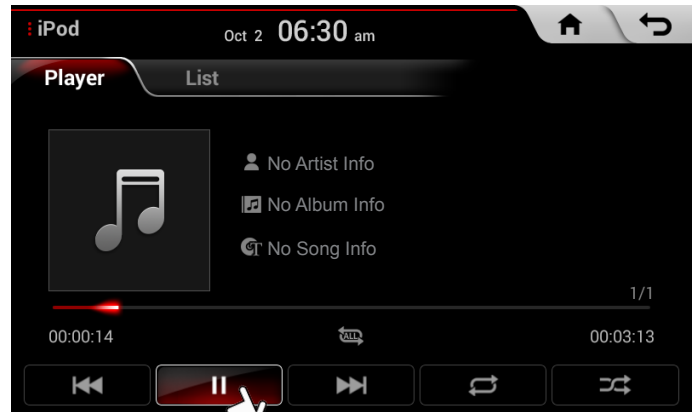
- iPod mode will automatically start once a iPod is connected.
- Apple CarPlay mode is recognized automatically for iPhone 5G and above and iOS versions above 7.1.
- When you wish to use the iPod feature, turn off the Apple CarPlay feature at Settings > General > Restrictions > Apple CarPlay.



Note

Some iPods with unsupported communication protocols may not properly operate with the Audio system.

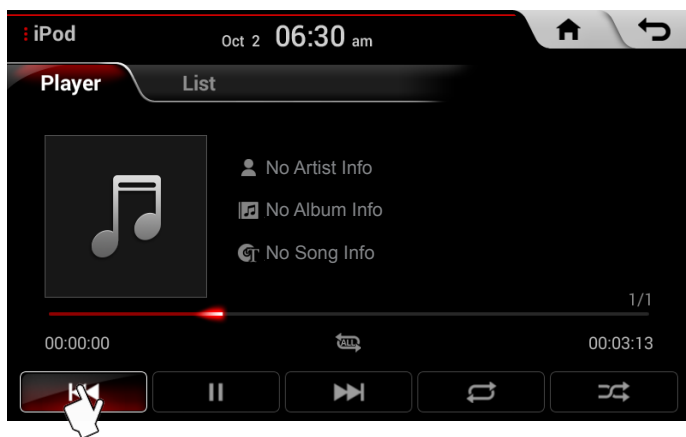
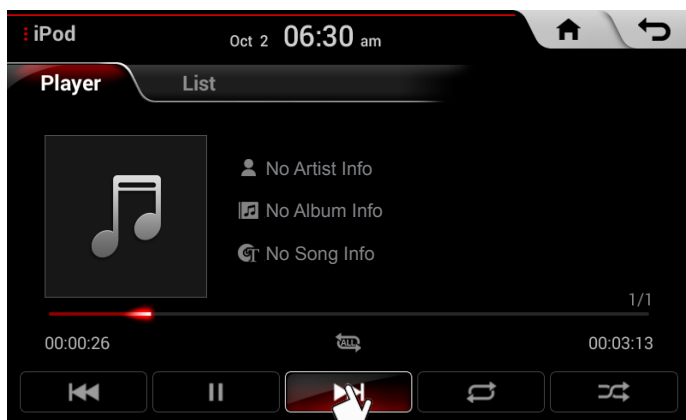
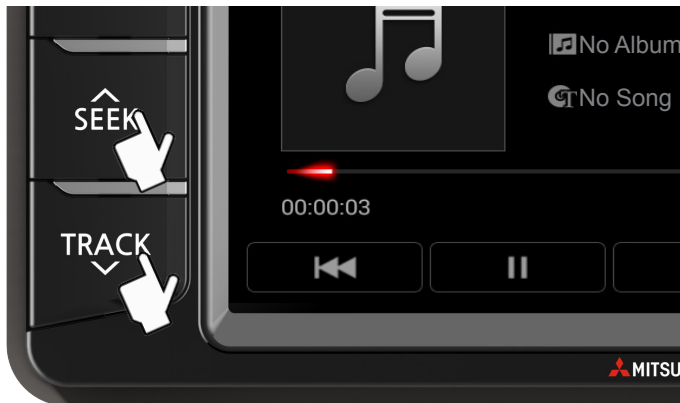
Playing iPod Music



- Press the [▶] button to play the file.
- Press the [||] button to pause the file.

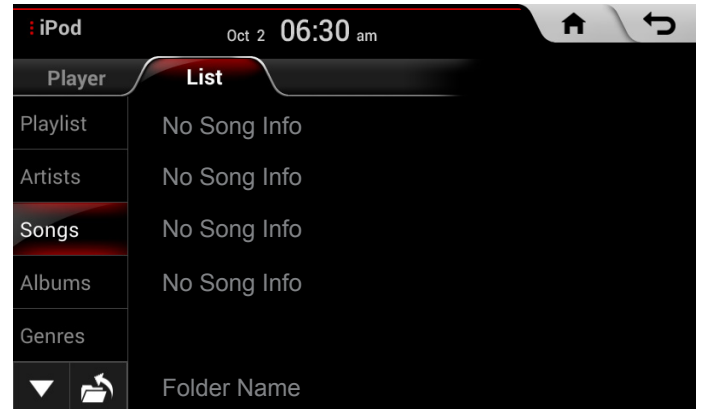
Selecting iPod Music files

While playing ► Press the [^ SEEK , TRACK v] key or press the [◀▶] button to select the previous/next file.



Searching iPod Music files

Press the [List] tab ► Turn the TUNE knob ► Search files
► Once the desired file is displayed, press the TUNE knob.

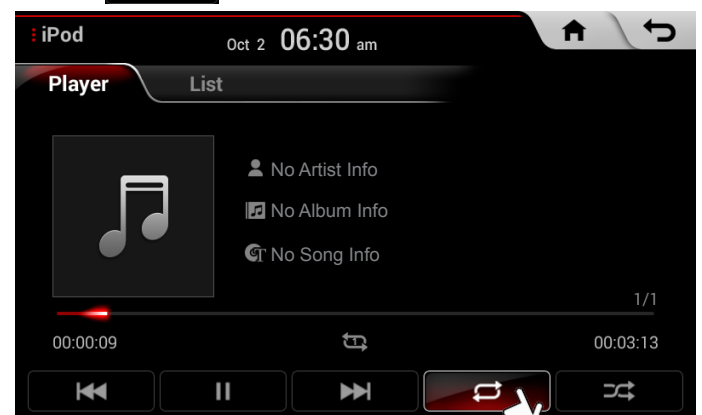


When searching files, pressing the TUNE knob will play the file highlighted in red.

Search file by list type. Search for songs according to Playlist, Artist, Song, Album and Genre.

Repeat

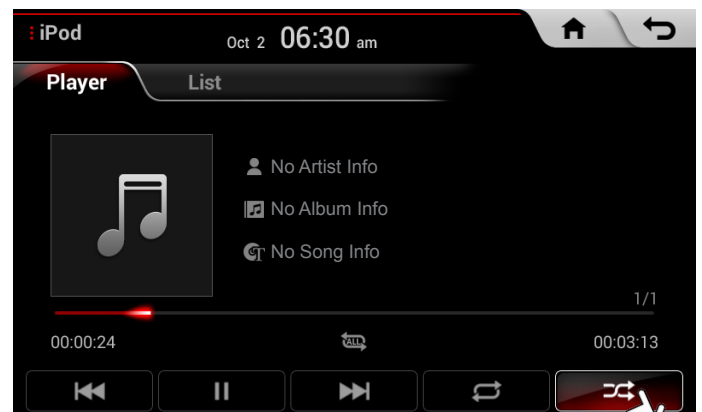
Press [◀▶].



Each time the button is pressed, the option is changed from Repeat all (◀▶) ► Repeat One (◀▶).

Shuffle

Press [◀▶].



Each time the button is pressed, the option is changed from Shuffle On (◀▶) ► Shuffle Off.

Using Bluetooth

Before Using Bluetooth® Hands-free
Bluetooth Connection
Bluetooth Phone

What is Bluetooth ® Wireless Technology?

- Bluetooth® refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.
- Supported within PCs, external devices, Bluetooth® phones, PDAs, various electronic devices, and automotive environments, Bluetooth® allows data to be transmitted at high speeds without having to use a connector cable.
- Bluetooth® Handsfree refers to a device which allows the user to conveniently make phone calls with Bluetooth® cellular phones through the Display Audio with Smartphone link
- Bluetooth® Handsfree may not be supported in some cellular phones.

CAUTION

- Bluetooth® Handsfree is a feature that enables drivers to practice safe driving. Connecting the head unit with a Bluetooth® phone allows the user to conveniently make and receive calls and use contacts. Before using Bluetooth®, carefully read the contents of this user's manual.
- Excessive use or operations while driving may lead to negligent driving practices and result in accidents. Refrain from excessive operations while driving.
- Viewing the screen for prolonged periods of time is dangerous and may lead to accidents. When driving, view the screen only for short periods of time.
- Before connecting the head unit with the mobile phone, check to see that the mobile phone supports Bluetooth® features.
- Even if the phone supports Bluetooth ® Wireless Technology, the phone will not be found during device searches if the phone has been set to hidden state or the Bluetooth® power is turned off. Disable the hidden state or turn on the Bluetooth® power prior to searching/connecting with the Head unit.
- If you do not want automatic connection with your Bluetooth® device, turn the Bluetooth® feature off on the Bluetooth® device.
- Park the vehicle when connecting the head unit to the mobile phone.

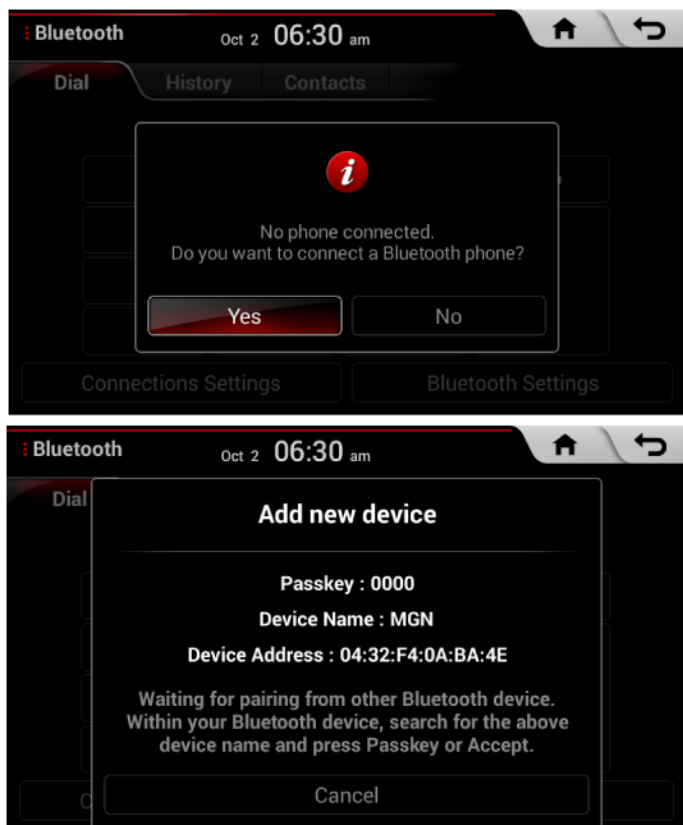
- Bluetooth® connection may be intermittently disconnected on some cellular phones. Follow these steps to try again.
 1. Turn the Bluetooth® function within the mobile phone OFF/ON and try again.
 2. Turn the mobile phone power OFF/ ON and try again.
 3. Completely remove the mobile phone battery, re boot and try again.
 4. Reboot the Display Audio with Smartphone link and try again.
 5. Delete all paired devices from both phone and Head Unit and try again
- The Hands-free call volume and quality may differ depending on the mobile phone.
- Pairing Bluetooth® devices and use of other Bluetooth® features are not supported when the vehicle is in motion. For safety, please first stop your vehicle.
- When downloading contacts, anything not described within this user manual may be related to the mobile device. In this case, please enquire with the mobile phone manufacturer.

Pairing and Connecting a Phone

Before you can use the Bluetooth feature, you must first pair/connect your mobile phone to your car. Up to 5 Bluetooth devices can be paired. Only one Bluetooth device can be connected at a time.

When no phones have been paired

Press the [HOME] key ► Press the [Phone] button ► Press the [Yes] button ► Pair your car after your mobile phone detects the Bluetooth device ► Enter the passkey or accept the authorization pop-up ► Connect Bluetooth.



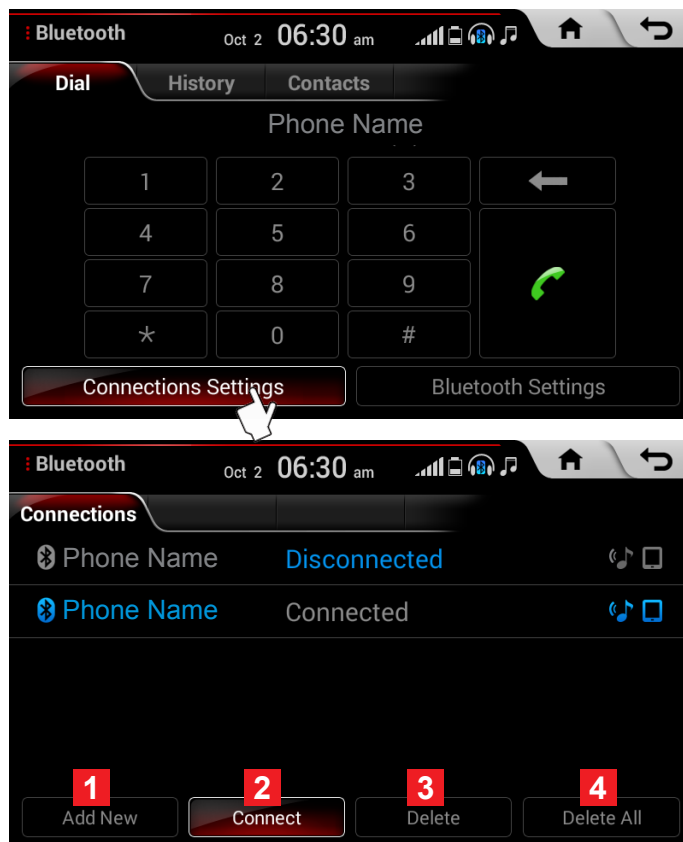
The default passkey is 0000.
The device name above is an example.
Check the actual information on the product.

Information

- To learn more about searching from Bluetooth® devices and pairing, refer to the user's manual for your Bluetooth® device.
- Bluetooth® devices cannot be paired when the vehicle is in motion. first park the vehicle to pair a Bluetooth® device.

When a phone is already paired

Press the [HOME] key ► Press the [Phone] button ► Press the [Connection Settings] button.



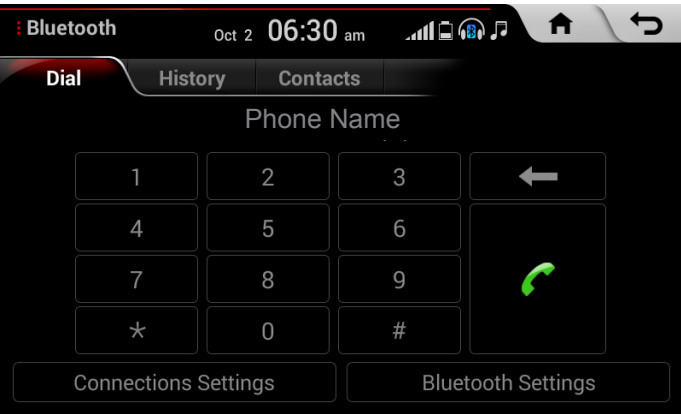
Select the Phone name you want to connect ► Press the [Connect] button.

If the phone you want to connect does not exist, press the [Add New] button to pair a new Bluetooth® device.

Name	Description
1 Add New	Pair a new Bluetooth® device
2 Connect	Connect a Bluetooth® device
3 Delete	Delete a paired Bluetooth® device
4 Delete All	Delete all paired Bluetooth® device

When your phone is connected

Press the [HOME] key ▶ Press the [Phone] button to display the following screen.

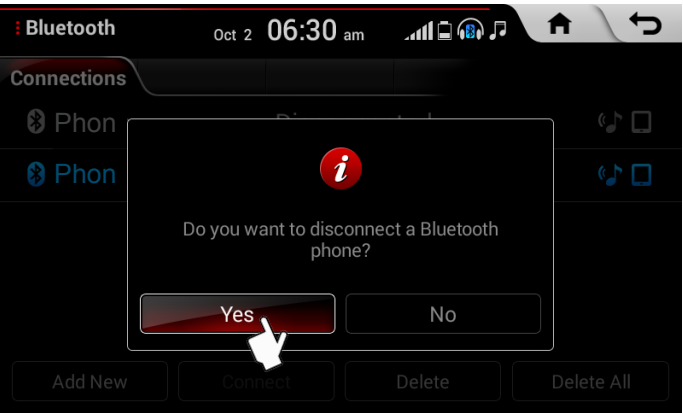


Note

- Once Bluetooth connection is successful, the name of the connected mobile phone will be displayed on the phone screen and Bluetooth handsfree functions will be ready to be operated.
- Some functions may not be supported due to limited Bluetooth compatibility between the car system and mobile phone.

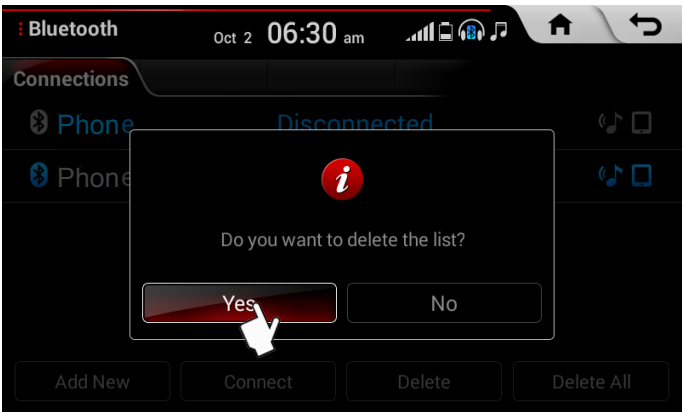
Disconnecting a Device

Press the [HOME] key ▶ Press the [Phone] button ▶ Press the [Connection Settings] button ▶ Select the Phone name you want to disconnect ▶ Press the [Yes] button.



Delete a Device

Press the [HOME] key ▶ Press the [Phone] button ▶ Press the [Connection Settings] button ▶ Select the Phone name you want to delete ▶ Press the [Delete] button ▶ Press the [Yes] button.

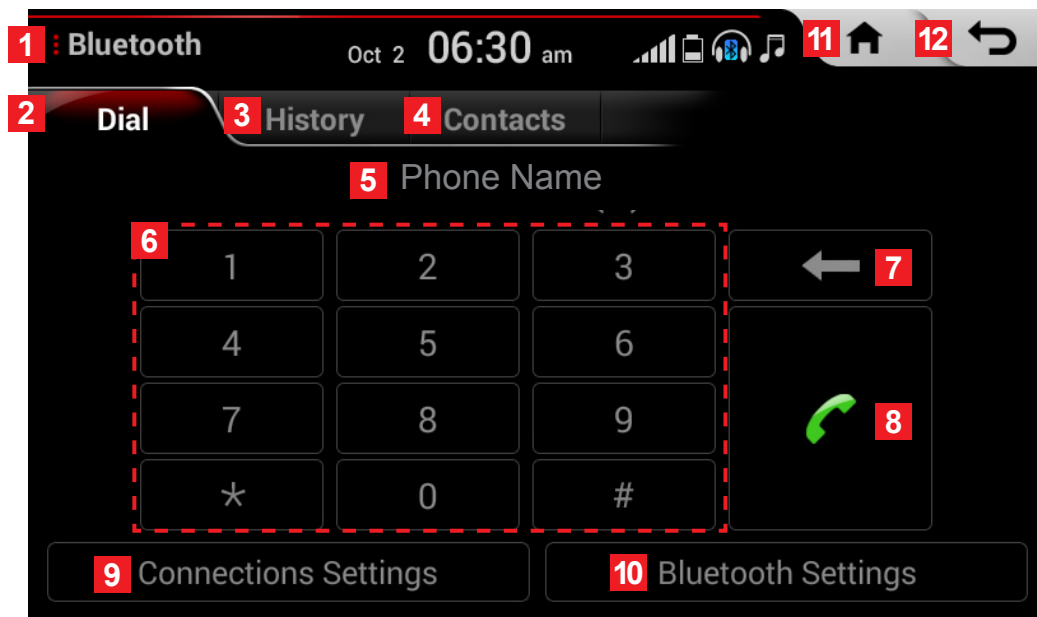


Press the [Delete All] button to delete all paired Bluetooth® devices.

Information

If a paired phone is deleted, the call history and contacts will also be deleted.

Bluetooth Phone Screen



1 Mode

Displays currently operating mode

2 Dial tab

This is the main screen in which Bluetooth Phone operates

3 History tab

Moves to the History screen

4 Contacts tab

Moves to the Contacts screen

5 Phone name

Displays name of currently connected device

6 Dial Pad

Used to enter the phone number

7 Delete

Deletes entered numbers one digit at a time

8 Send

Calls the number has been entered

9 Connection Settings

Displays the Bluetooth® Connections screen

10 BT Settings

Displays the Bluetooth Setting screen

11 Home

Moves to Home screen

12 Back button

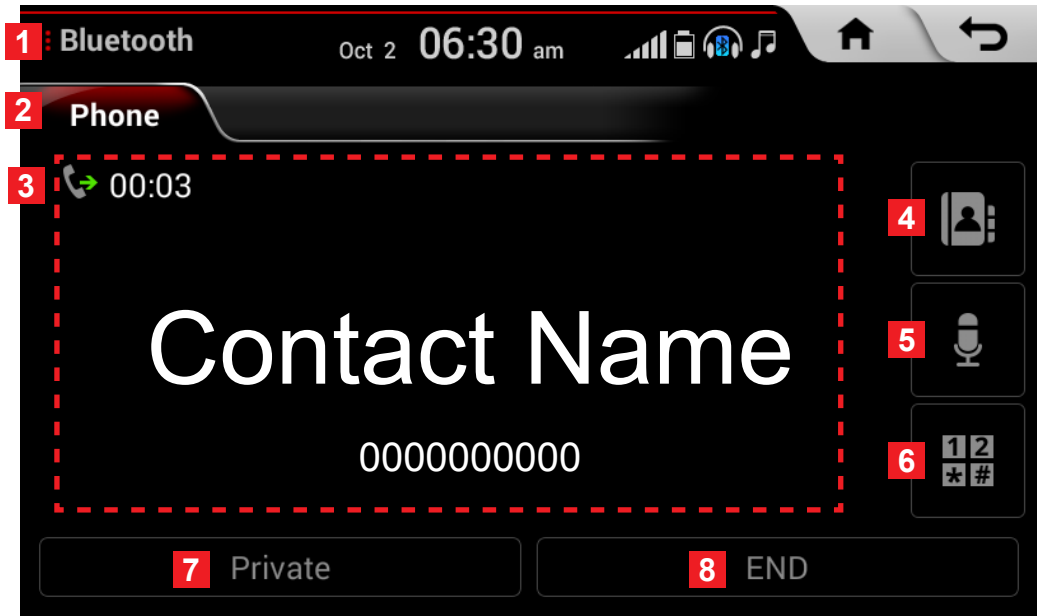
Moves to the previous screen



Information

- The mobile phone battery and signal strength icons may not be supported in some cellular phones.
- The remaining battery level displayed on your mobile phone battery icon may slightly differ with the device display.

During a Call



1 Mode

Displays currently operating mode

2 Phone tab

This is the main screen during a call

3 Info Display Window

Displays other party's name/number/call time

4 Contacts

Displays the Contacts screen

5 Outgoing Vol.

Adjusts outgoing volume during calls
Sets call volume as heard by the other party
(Levels 1~6)
The outgoing volume may be heard differently depending on the connected Bluetooth® device

6 Dial Pad

Displays the dial pad

7 Private

During a handsfree call, this function is used to switch the call to the mobile phone
Upon switching the call to Private, the vehicle mic and speaker will turn off to allow a private conversation through the mobile phone

8 End

Ends call

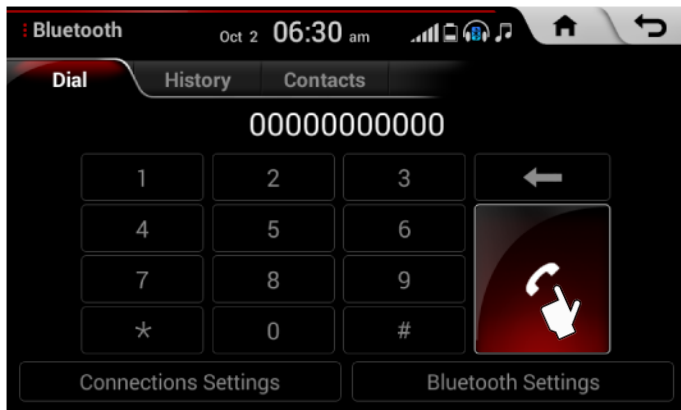
Information

The telephone number may not be displayed in some cellular phones.

Making a Call

Calling by Dialing a Number

Enter number on the Dial Pad ► Press []

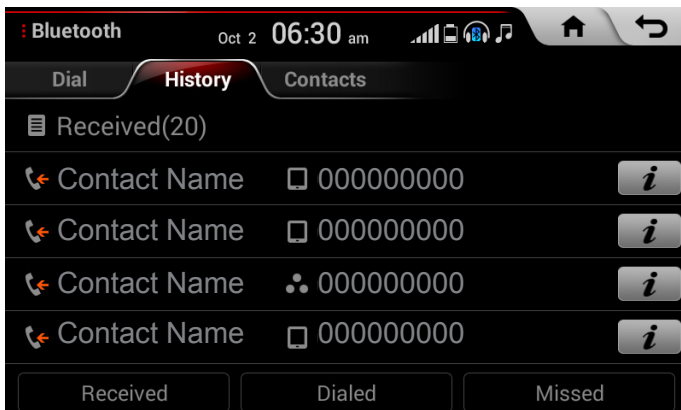


Information

Most Audio and Setup mode features will not operate during a Bluetooth® handsfree call. Only the call volume can be operated.

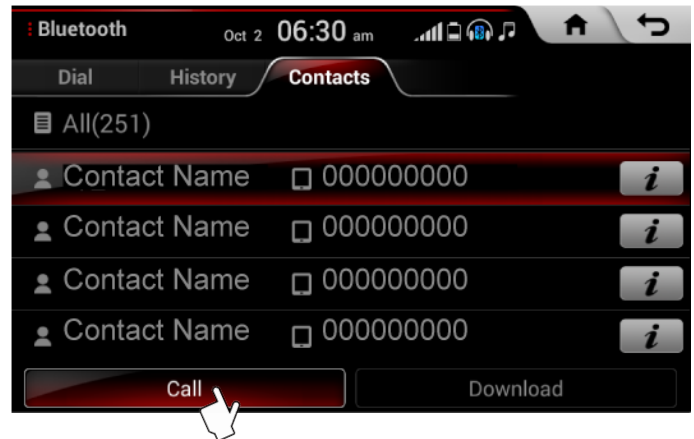
Making a Call from Call History

Within the Phone screen, press the [History] tab ► Press and hold contact from the Call History.



Making a Call from Contacts

Within the Phone screen, press the [Contacts] tab ► Select the desired contact ► Press the [Call] button.



Information

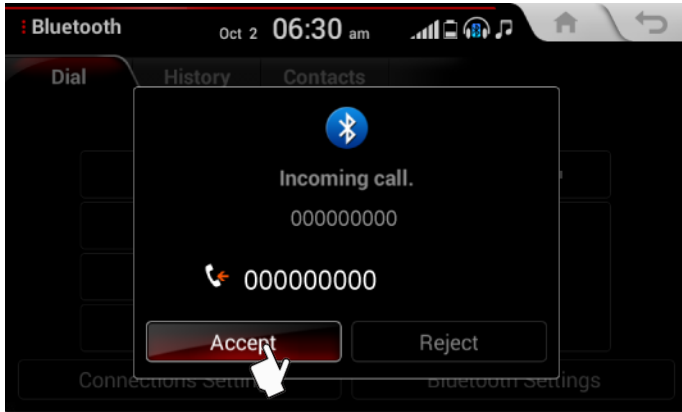
- Calling through the contacts is not possible when there are no contacts or the Bluetooth® phone has not been connected.
- Within the Contacts screen, press the [Download] button to download the contacts saved in your mobile phone into the vehicle.
- For more information on downloading contacts, refer to the “Contacts ► Downloading Mobile Phone Contacts” section.

Using Bluetooth

Bluetooth Phone

Answering a Call

Incoming call notice ► Press the [Accept] button.



When a call is received on the connected phone, the bell will sound and the phone number of the other party will be displayed on the incoming call pop-up, as shown here.

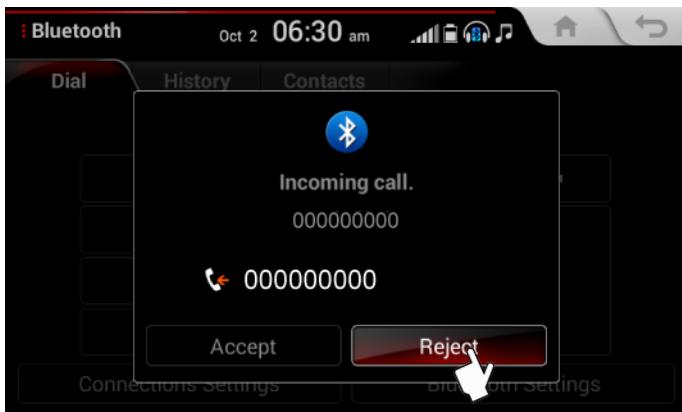


Information

- When the incoming call pop-up is displayed, most functions within AV mode will not operate.
- The telephone number may not be displayed in some cellular phones.

Rejecting a Call

Incoming call notice ► Press the [Reject] button .



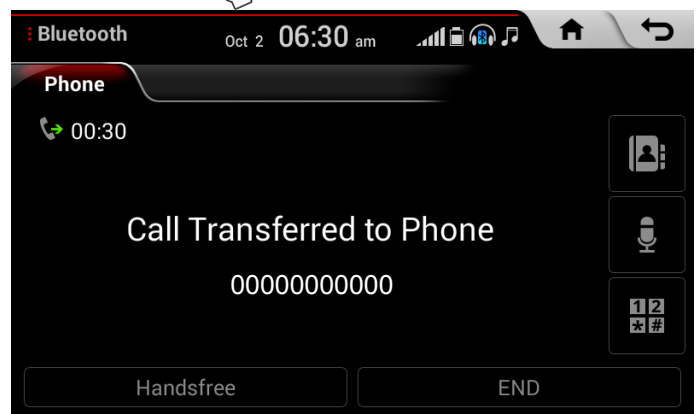
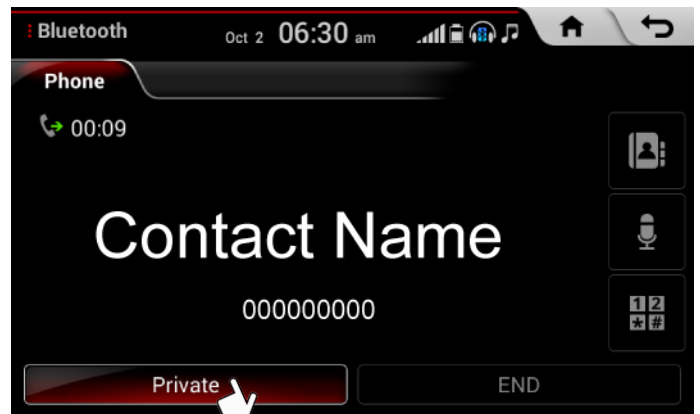
Information

The reject call function may not be supported in some cellular phones.

Operating features during a Call

Switching Call to Bluetooth® Phone

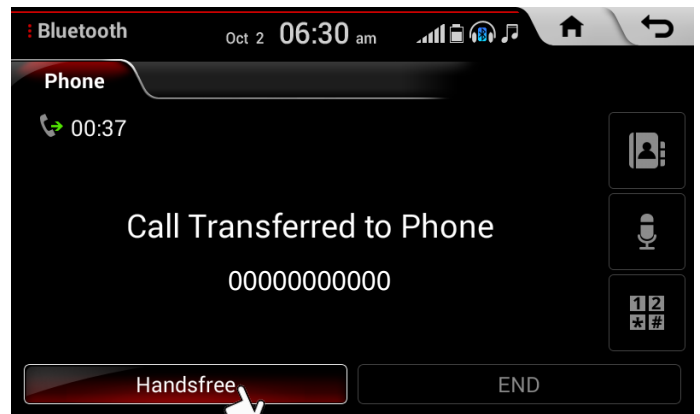
During Handsfree call ► Press the [Private] button.



The call will be switched from the handsfree to the Bluetooth® mobile phone.

Switching Call to Handsfree

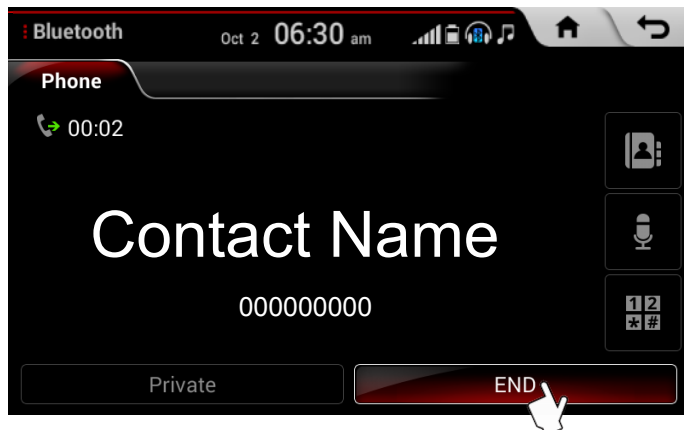
During call on mobile phone ► Press the [Handsfree] button.



The call will be switched from the Bluetooth® mobile phone to the car handsfree.

Ending a Call

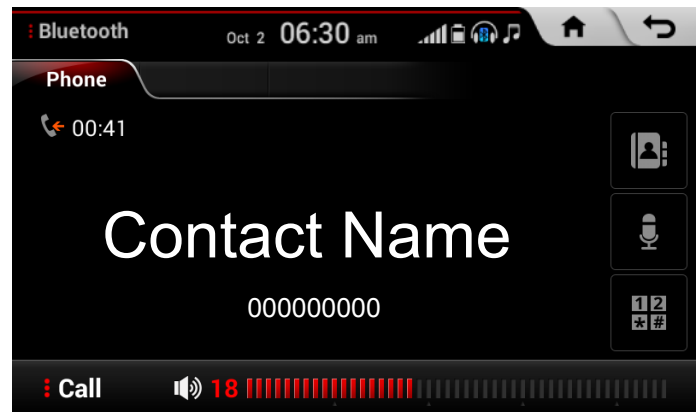
While on a call ► Press the [END] button.



The Bluetooth® handsfree call will end.

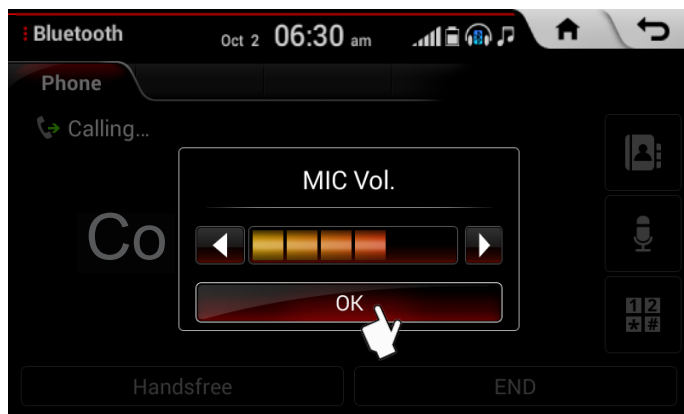
Adjusting the Ring/Call Volume

While on a call ► Use the VOL knob on the head unit or the steering wheel to adjust the ring/call volume.



Setting Mic Volume

While on a call ► Press [] ► Set Outgoing Volume ► Press [OK] .

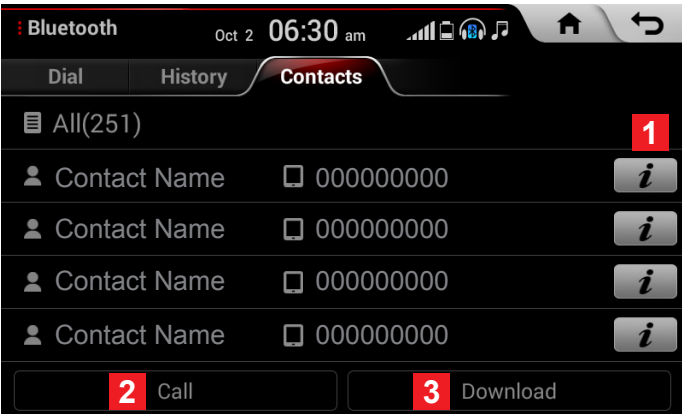


Information

The volume heard by the other party may differ depending on the mobile phone. If call volume heard by the other party is too low or too high, adjust the volume setting.

Contacts

Press the [HOME] key ▶ Press the [Phone] button ▶ Press the [Contacts] tab.



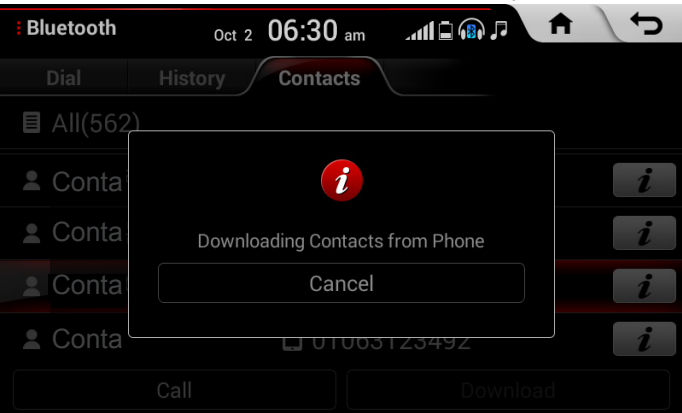
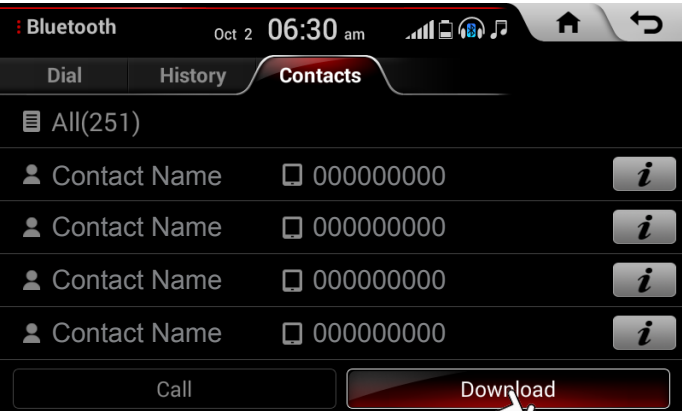
Name	Description
1 Information	Displays contacts details
2 Call	Calls the selected number
3 Download	Download contacts from Bluetooth® device

Information

- Mobile phone contacts can only be searched when a Bluetooth® device is connected.
- For contacts, up to 5,000 entries can be downloaded to each paired Bluetooth® device.
- It is possible to download contacts during a call or while operating Bluetooth® streaming audio mode.
- It is not possible to download contacts when the contacts download setting has been turned off within your Bluetooth® device.
- Some devices may also require device authorization to download contacts.
- If downloading cannot be normally conducted, check the Bluetooth® device settings or whether download confirm popup is displayed on the phone screen.
- The download feature may not be supported in some cellular phones.
- Check to see that the Bluetooth® device supports the download feature.

Downloading Mobile Phone Contacts


Press the [Download] button in the Contacts screen.

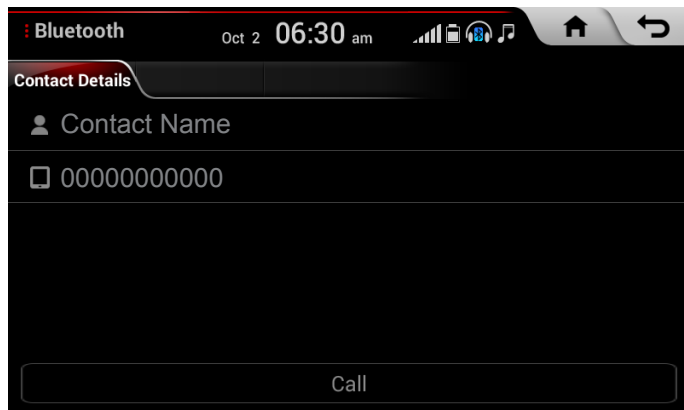


Information

- Upon downloading mobile phone contacts, the previous corresponding data is deleted.
- This feature may not be supported in some cellular phones.
- Upon downloading, contacts saved in your mobile phone are simultaneously downloaded.

Checking Mobile Contacts Details

Press [] of the desired phone number from the mobile contacts list to check details about the contact



Press the [Call] button to make a call.

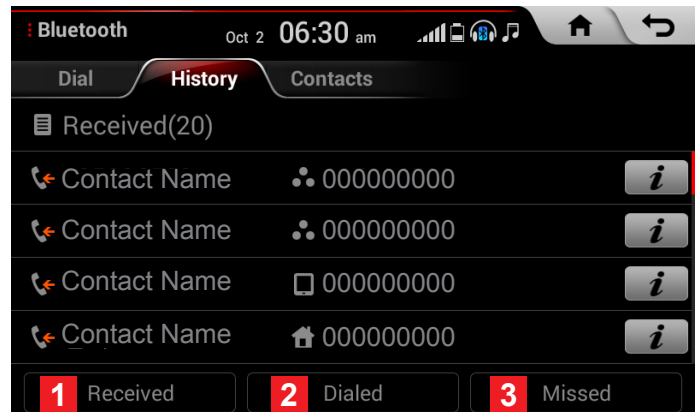
Information

Deleting contacts in the car will not be applied to your mobile phone.

Call History

Entering Call History Screen

Press the [History] tab in the Phone screen.



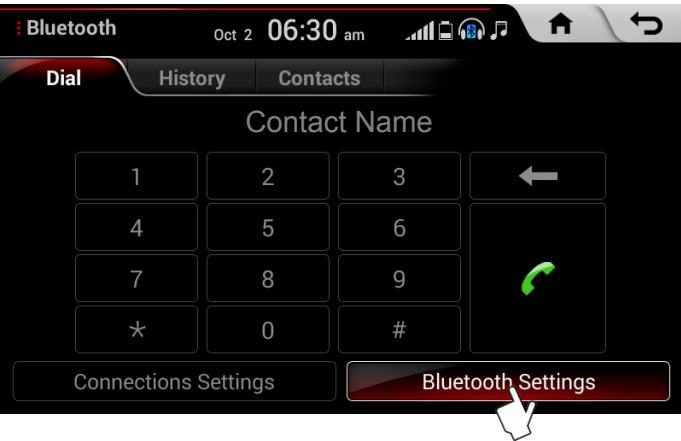
Name	Description
1 Received Call	Displays the incoming call history list
2 Dialed Call	Displays the outgoing call history list
3 Missed Call	Displays the missed call history list

Information

- The call history may not be saved in the call history list in some cellular phones.
- Calls received with hidden caller ID will not become saved in the call history list.
- Calling through the call history is not possible when there is no call history or the Bluetooth® phone has not been connected.
- Up to 50 dialed, incoming, and missed call history lists can be downloaded. The dialed/incoming time and call time information are not supported.
- The time of received/dialed calls and call time information are not saved.

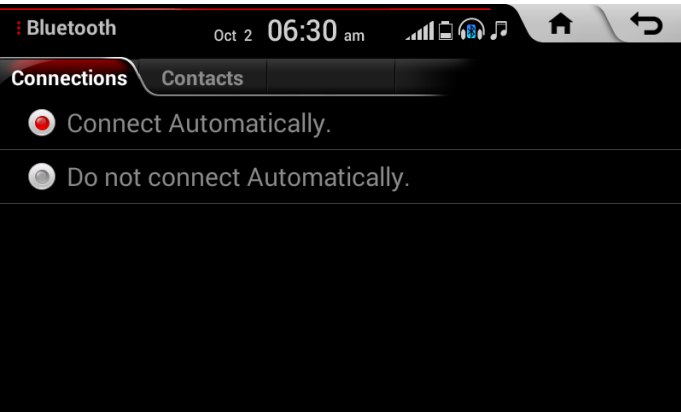
Bluetooth® Settings

Press the [HOME] key ▶ Press the [Phone] button ▶ Press the [Bluetooth Settings] button.



Setting Auto Connection

Press the [Connections] tab ▶ Select the desired option.

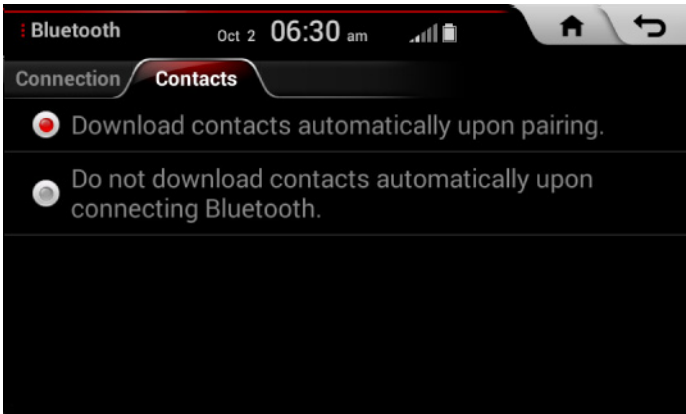


If you select [Connect Automatically], the Bluetooth® device will automatically be connected when the car ignition is turned on.

If you do not want to connect automatically, select [Do not connect Automatically].

Download Contacts

Press the [Contacts] tab ▶ Select the desired option.



When connecting a Bluetooth® device, it is possible to automatically download contacts.

Connectivity

Apple CarPlay
Android Auto

About Apple CarPlay

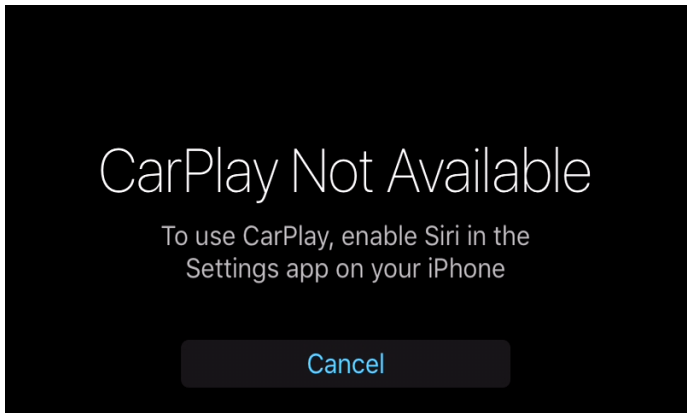
- Apple CarPlay puts iPhone apps—the ones you want to use while driving—on your car’s built-in display. With Apple CarPlay, you can get turn-by-turn directions, make phone calls, exchange text messages, listen to music, and more. Apple CarPlay is available on select automobiles navigation systems, and works with iPhone 6s, iPhone 6s Plus, iPhone 6, iPhone 6 Plus, iPhone 5s, iPhone 5c, and iPhone 5.
- You operate Apple CarPlay using your car’s built-in controls—a touchscreen. To learn how to operate your display, see the user guide that came with your car. Or just use Siri voice control to tell Apple CarPlay what you want. Siri can be operated by shortly pressing or pressing and holding the Siri button on the steering remote controller. In fact, Siri often steps in automatically to help you, depending on the app you’re using.

Precautions

- Apple CarPlay may not be available in your country or region. For details about Apple CarPlay, visit the following site : <http://www.apple.com/>
- For using this feature, the dedicated cable is recommended to use. (Using a non-genuine product may cause noise or malfunction.)
- Carrier charges may apply to use Apple CarPlay.
- Apple CarPlay works with iOS 7.1 but the most recent version is recommended.

Before Using Apple CarPlay

Apple CarPlay is available only in certain areas. Siri must be enabled on your iPhone. If Siri is turned off, notice will be displayed.



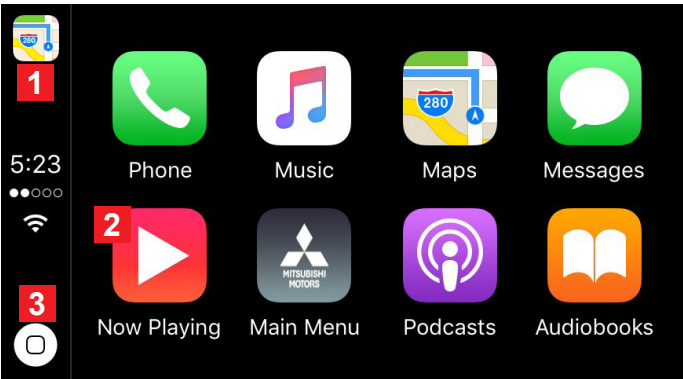
Go to Settings > General > Siri > Tune on Siri.

Information

Before using Apple CarPlay, make sure that your iOS phone has a data plan. Most features of Apple CarPlay require data usage so it’s important that you’re familiar with your plan and its data limits to avoid unexpected charges from your mobile provider.

Get started

Use an Apple approved Lightning to USB Cable to connect iPhone to your car’s USB port. It may be labeled with the Apple CarPlay logo, the words Apple CarPlay, or an image of a smartphone.



No	Description
1	Return to a call or to turn-by-turn directions
2	View current audio source
3	Home button

Speak to Siri

Press and hold the voice control button on the steering wheel, or touch and hold the Home button on the Apple CarPlay Home screen, until Siri beeps. Then make your request.

Open an app

Tap the app on the touchscreen.

Return to the Apple CarPlay Home screen

Tap the Home button on the touchscreen.

Return to your car's Home screen

Tap the gray icon with your car's logo if it appears, or press the [HOME] key on your AVN device.

View additional apps

If you have more than eight apps, some apps may appear on another page of the Home screen. Swipe left on the touchscreen.

Return to a phone call or to turn-by-turn directions (Touchscreen only)

Tap the icon in the upper-left corner of the touchscreen.

Scroll quickly through a list

Slide or tap the letters along the list at the right side of the touchscreen.

View and control the current audio source

Tap Now Playing to see the current audio app.



Information

For more information of Apple CarPlay, visit the Apple website (<http://www.apple.com/ios/carplay>).

What is Android Auto

- You can securely manipulate your smart phone while driving by using this feature. Various functions on your smart phone are displayed on the Display Audio with Smartphone link so you can easily use any of them (finding the direction, making a call, listening to music, etc.).
- With Android phone connected, Android Auto appears on the display. Available functions and operations may differ depending on the company model.
- For more information, refer to the manual or visit the web-site. (<http://support.google.com/androidauto>)

Precautions

- Android Auto is a registered trademark of Google Inc.
- Android Auto may not be available in your country or region. For details about Android Auto, Please refer to the Google support site :
<http://www.android.com/auto/#what-you-need>
- This function is available for the Android Auto-compatible device only.
- Android Auto is unavailable if the version of communication protocol is not supported or your phone is unable to be recognized due to a shutdown caused by a failure or defect in the device itself.
- If your phone is shut down due to a defect in the device itself, turn the device off and back on to try connecting again.
- If you repeatedly connect and disconnect the USB cable on the device in a short period of time, your phone may malfunction.
This can also cause a device failure.
- The device recognition time may differ depending on the device type and firmware/OS version.
- For using this feature, the dedicated cable is recommended to use. (Using a non-genuine product may cause noise or malfunction.)
- Normal operations are not guaranteed when you arbitrarily manipulate your phone while Android Auto is active.
- Carrier charges may apply to use Android Auto.
- Android Auto may not operate normally due to mobile phone issues.
- The following problems may occur due to issues with your phone.
 - Intermittent black screens appear when entering Android Auto.
 - Unable to differentiate between phones that support Android Auto and those that do not.
 - If services do not work properly due to problems similar to the specified above, check your phone, and if necessary, reconnect your phone after restarting.

- Android Auto extends the Android platform into the car. When users connect their handheld devices running Android 5.0 or higher to a compatible vehicle, Android Auto user interface provides a car-optimized Android experience on the vehicle's screen. Users interact with compatible apps and services by voice and the vehicle's input controls.

Before Using Android Auto

Download the Android Auto app to your phone on Google Play or simply plug your phone into a compatible car and you'll be prompted to download the app.




Information

Before using Android Auto, make sure that your Android phone has a data plan. Most features of Android Auto require data usage so it's important that you're familiar with your plan and its data limits to avoid unexpected charges from your mobile provider.


Get started

1. Connect one end of the USB cable to your phone and the other to your compatible car's USB port.
2. Review the Terms & Conditions on your phone (only required the first time you use the app).
3. Touch Accept to turn on notifications in Android Auto.
4. To activate Android Auto, touch the Android Auto icon on the vehicle's screen.
5. You can use the functions for music, phone, and the like of Android Auto.

Information


- Before connecting your mobile phone, check whether Android Auto is set to be used in Setup > Connectivity Settings.
- After connecting the mobile phone, you must release the lock or accept it to connect Android Auto normally.
- When on a call within the Android Auto screen, press the “Hook Off” key [] on the Steering Wheel to change the call state.
Press and hold the key (over 2 seconds) to change the call to Private Mode.
Press the key (under 2 seconds) to change the call to Handsfree Mode.
- The screens and features displayed on the Display Audio with Smartphone link are the same as what Google originally provide.
The screens and features are subject to change according to the policy of each individual company.

Talk to Google


1. Tap the voice command [] button on the display.
2. Say commands you want to use. Then you can do things like send or reply to a text, search for a location, make a call, or play your music.

Set reminders

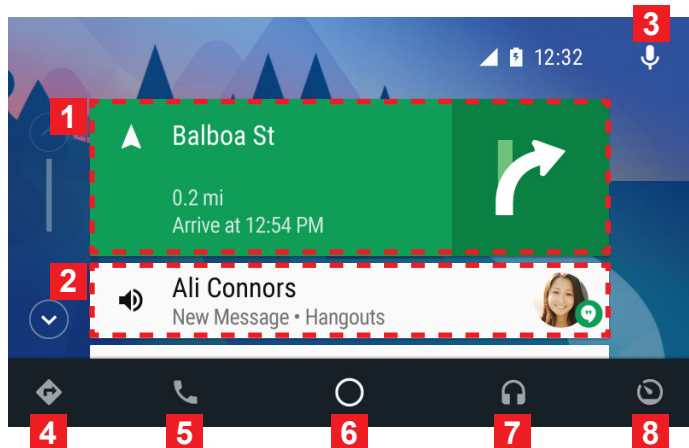
Time-based reminders

1. Tap the voice command [] button on the display.
2. Say your reminder along with the exact or approximate time you want the reminder to go off. For example:
 - “Remind me to call John at 7pm.”
 - “Remind me to pick up the cake this afternoon.”
3. Android Auto will display your reminder on the home screen when the time is approaching. The reminder will also appear as a Google Now card on your phone if disconnected.

Location-based reminders


1. Tap the voice command [] button on the display.
2. Say your reminder along with the exact or approximate location where you want the reminder to go off. For example:
 - “Remind me to buy coffee beans when I get to Starbucks.”
 - “Remind me to bring in the groceries when I get to my destination.”
 - “Remind me to call mom when I get home.”
3. Android Auto will show you the reminder when you arrive at the location. The reminder will also appear as a Google Now card on your phone if disconnected.

Home Screen



No	Description
1	Navigation suggestion
2	Reminders
3	Voice command
4	Navigation
5	Communication
6	Home screen
7	Music and audio
8	Car apps

Return to your car's Home screen

Press the [HOME] button on your AVN device or tap the [] button and tap [Return to MGN].

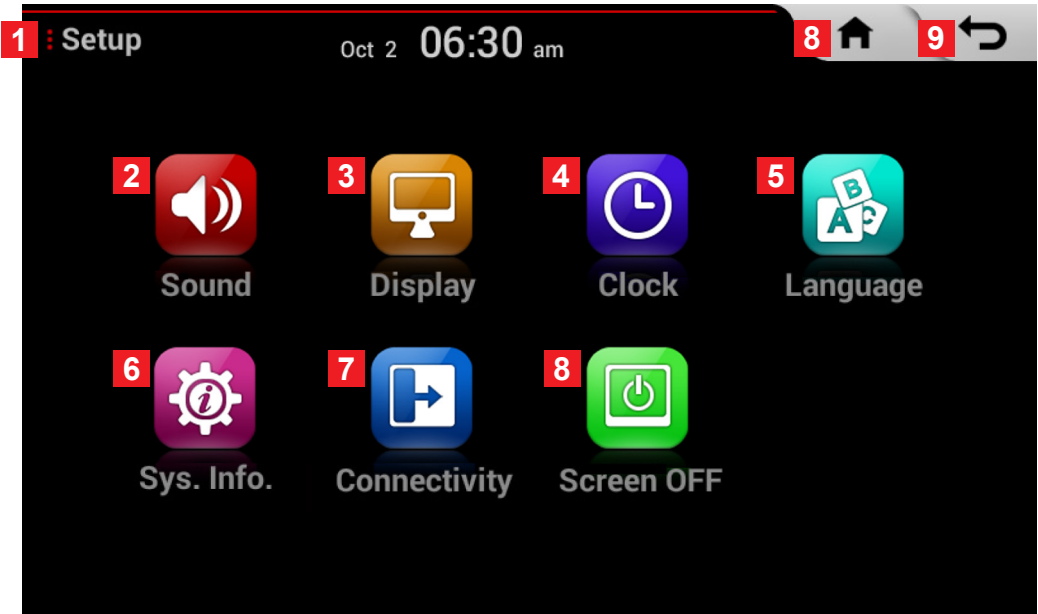
Return to the Android Auto Home screen

Tap the home screen [] button.

Setup

Using Setup

Setup Screen



- 1

Mode
Displays currently operating mode
- 2

Sound
Sets sound related settings
- 3

Display
Sets display related settings
- 4

Clock
Sets current time and clock display
- 5

Language
Sets language for use within the system
- 6

System info
Checks system software version and receives updates
- 7

Connectivity
Sets Apple CarPlay related settings
- 8

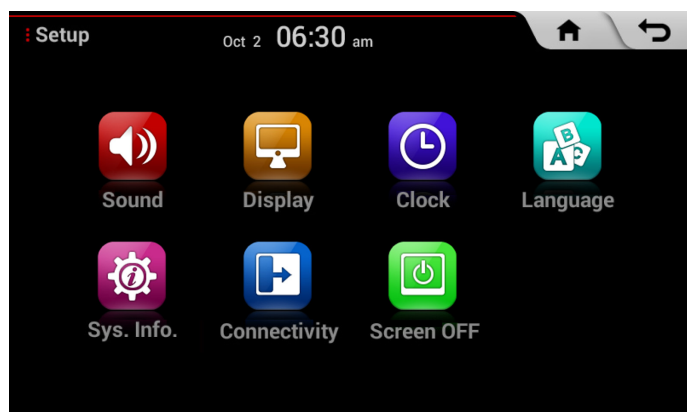
Screen OFF
Turn device display on/off
(The device power will not be turned off)
- 9

Home
Moves to Home screen
- 10

Back button
Moves to the previous screen

Starting Mode

Press the [HOME] key ► Press the [Setup] button.



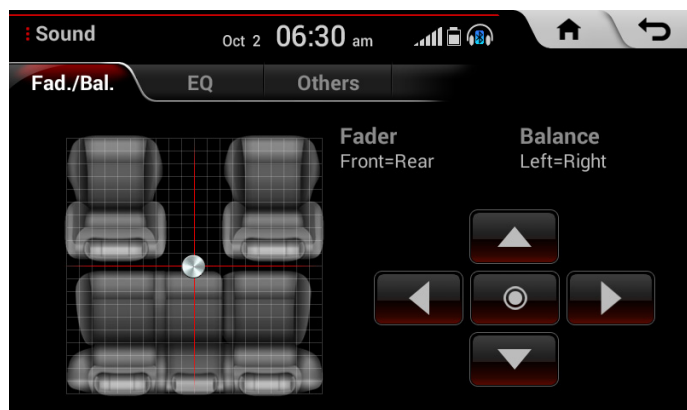
Within SETUP, you can check and change the settings for all features found within the Display Audio with Smartphone link.


Sound

Press the [HOME] key ► Press the [Setup] button ► Press the [Sound] button.

Fader/Balance

Press the [Sound] button ► Press the [Fad./Bal.] tab ► Use the Up/Down/Left/Right button to control sound positioning.



Press the [] to concentrate the sound in the center of the vehicle.

EQ Settings

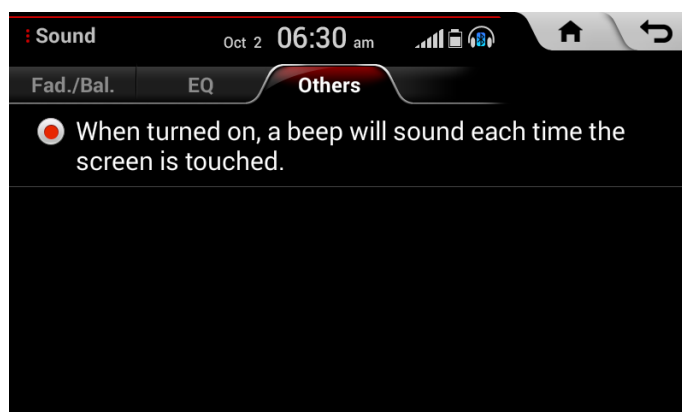
Press the [Sound] button ► Press the [EQ] tab ► Use the [◀, ▶] button to adjust EQ settings.



Press the [Default] button to initialize the settings.

Other settings

Press the [Sound] button ► Press the [Others] tab ► Select the menu to turn the beep tone on/off.



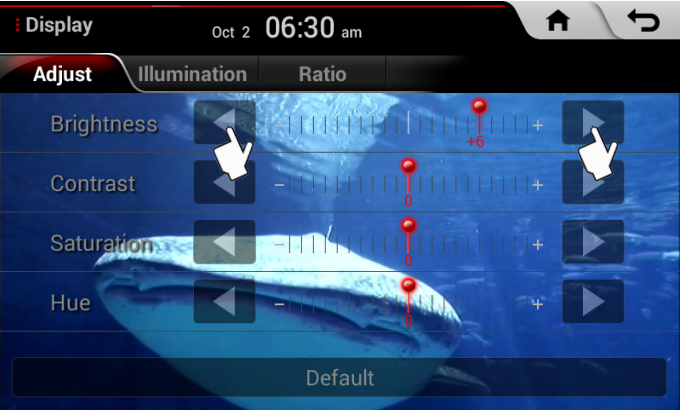
Each press of this menu turns the beep tone on/off.

Display

Press the [HOME] key ▶ Press the [Setup] button ▶ Press the [Display] button.

Adjusting Brightness

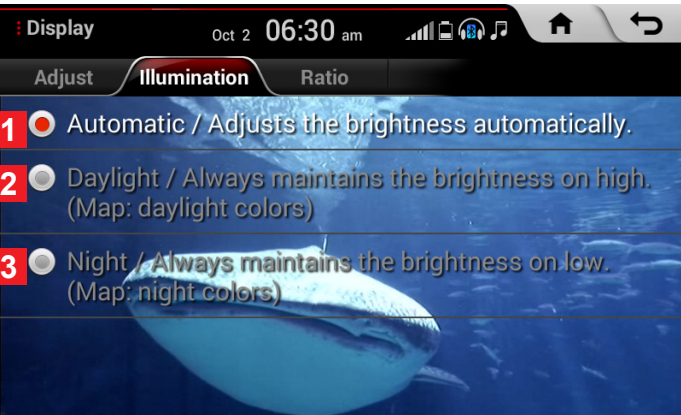
Press the [Display] button ▶ Press the [Adjust] tab ▶ Use the [◀, ▶] button to adjust the Brightness.



Press the [Default] button to initialize the settings.

Illumination

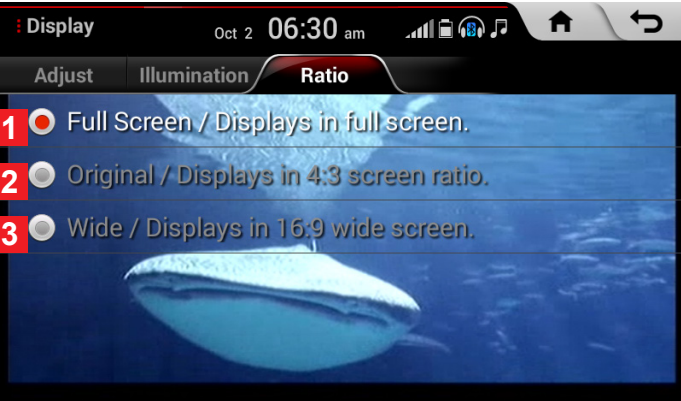
Press the [Display] button ▶ Press the [Illumination] tab ▶ Select the menu to set display mode.



Name	Description
1 Automatic	Adjusts the brightness automatically
2 Daylight	Always maintains the brightness on high (Map: daylight colors)
3 Night	Always maintains the brightness on low (Map: night colors)

Ratio

Press the [Display] button ▶ Press the [Ratio] tab ▶ Select the menu to set Screen ratio.



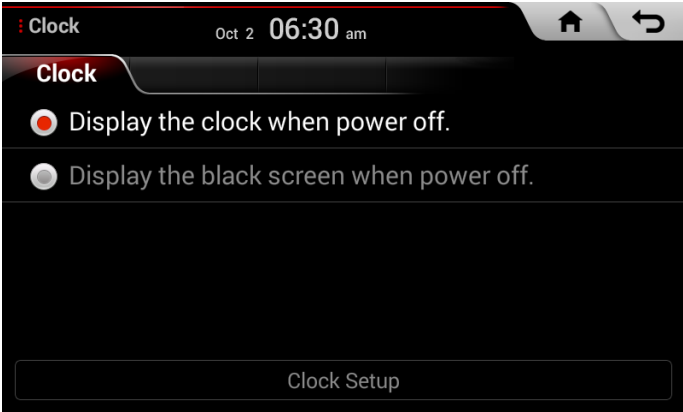
Name	Description
1 Full Screen	Displays in full screen
2 Original	Displays in 4:3 screen ratio
3 Wide	Displays in 16:9 wide screen

Clock

Press the [HOME] key ▶ Press the [Setup] button ▶ Press the [Clock] button.

Standby Screen View

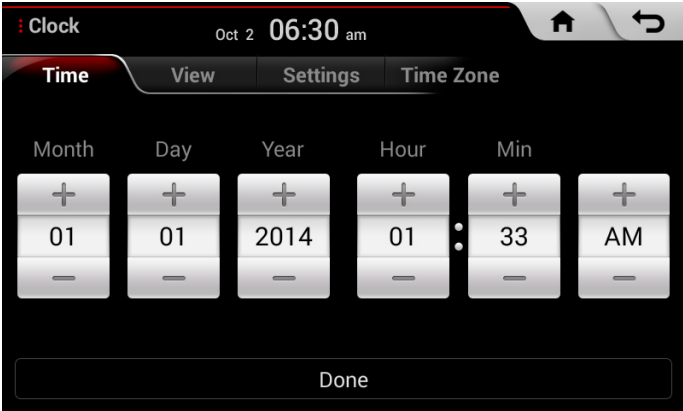
Press the [Clock] button ▶ Select the menu to set standby screen view.



This menu is used to set the clock view when power off.

Time

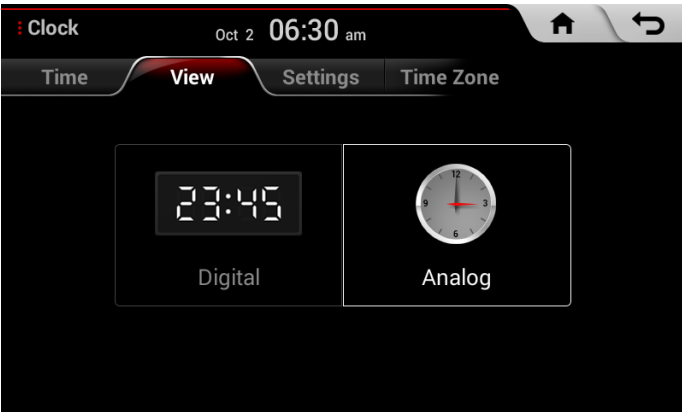
Press the [Clock] button ▶ Press the [Clock Setup] button ▶ Press the [Time] tab ▶ Set and press the [Complete] button.



This menu is used to set the time used within the Display Audio with Smartphone link

View

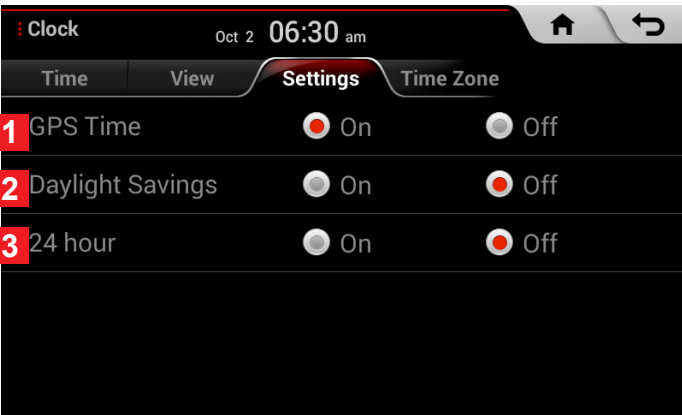
Press the [Clock] button ▶ Press the [Clock Setup] button ▶ Press the [View] tab ▶ Select the clock type.



This menu is used to set the clock view when power off.

Settings

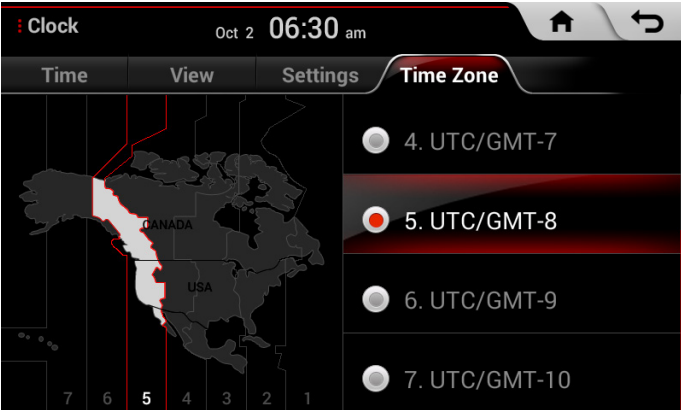
Press the [Clock] button ▶ Press the [Clock Setup] button ▶ Press the [Settings] tab ▶ Set the time settings.



Name	Description
1 GPS Time	Displays time according to the received GPS time
2 Daylight Savings	Turns on/off daylight saving time feature
3 24 hour	Converts the digital clock display to 12 or 24 hours

Time Zone

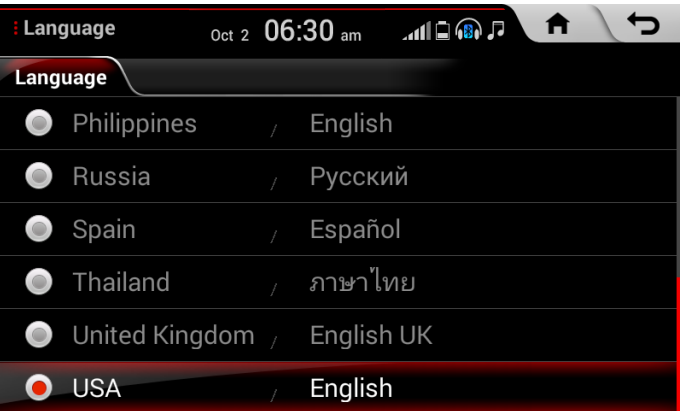
Press the [Clock] button ▶ Press the [Clock Setup] button
▶ Press the [Time Zone] tab ▶ Set the desired time zone.



This menu is used to set the system to your current time zone.

Language

Press the [HOME] key ▶ Press the [Setup] button ▶ Press the [Language] button ▶ Select the language.



This menu is used to set the language of the system display and voice language.
Some languages may require a reboot.

System Info

Press the [HOME] key ▶ Press the [Setup] button ▶ Press the [System info] button.

SW Info

Press the [System info] button ▶ Press the [SW Info] tab to view software information.

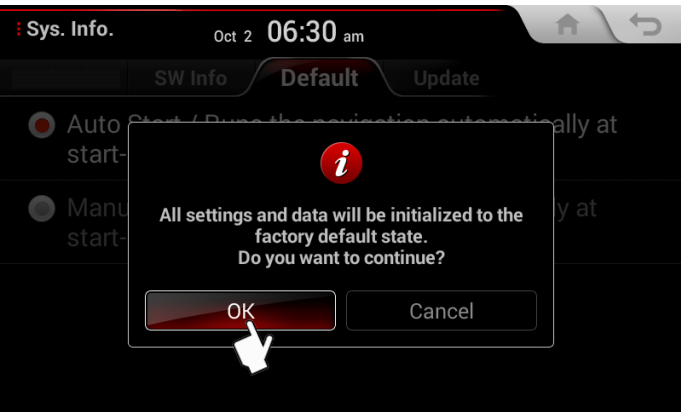


Information

The software information on the screen may differ with actual device information.

Restores factory Settings

Press the [System info] button ▶ Press the [Default] tab ▶ Press the [OK] button.

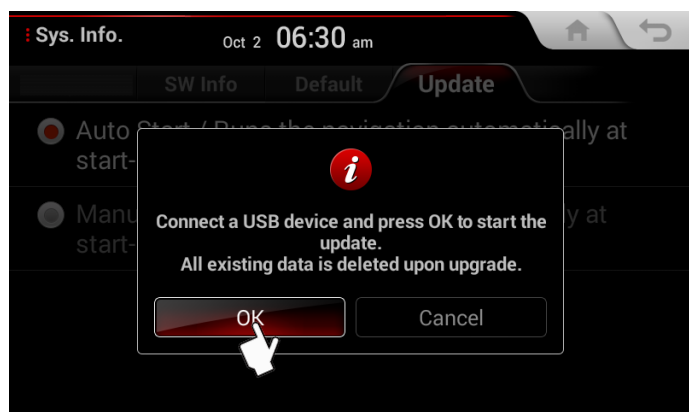


If you turning on this feature, all settings and data will be initialized to the factory default state.

If the [Cancel] button is pressed or the [OK] button is not pressed within 5 seconds, the previous screen will be displayed.

Update

Press the [System info] button ► Press the [Update] tab
► Press the [OK] button.



Once updating is complete, the system will automatically restart.

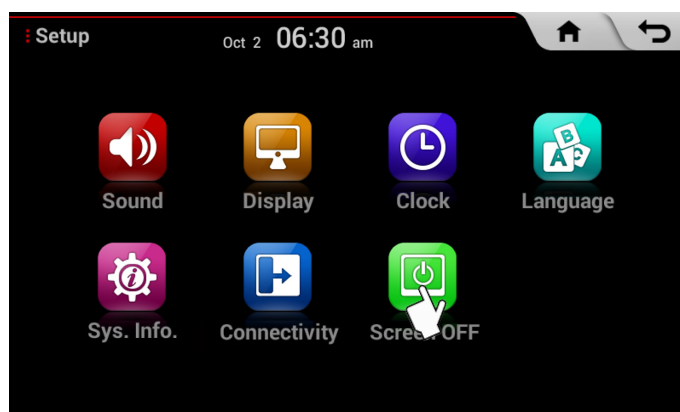
If the [Cancel] button is pressed or the [OK] button is not pressed within 5 seconds, the SW info will be displayed.

Information

- This product requires regular updates for software corrections and new functions. Updating may require up to 1 hour depending on the data size.
- Turning off the power or remove the USB device during the update process may result in data loss. Make sure to keep the ignition on and wait until updating is complete.

Screen Off

Press the [HOME] key ► Press the [Setup] button ► Press the [Screen OFF] button to turn off the display.



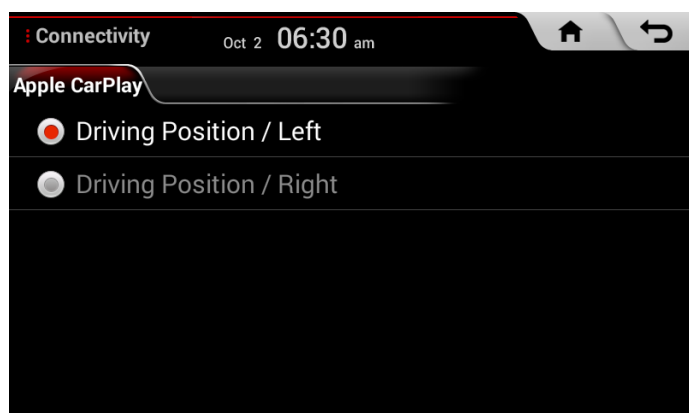
Touch anywhere on the touch screen to turn the display back on.

Information

- While only using the device to listen to audio, this feature can be very helpful in preventing glare from the screen when driving at night.
- Even when the display is off, sound will be played.

Connectivity

Press the [HOME] key ► Press the [Setup] button ► Press the [Connectivity] button ► Select the desired driving position.



Question	Answer
Q : The USB does not operate even after connecting the USB Storage.	<ol style="list-style-type: none"> 1. USB STORAGE may be incompatible with the device. 2. Files within the USB STORAGE may be damaged. 3. Check to see whether there are any foreign substances on the multi-terminal connector. 4. Check to see that the USB Memory is a standard memory disc.
Q : The DVD or CD does not play even after inserting the DISC.	<ol style="list-style-type: none"> 1. Check to see whether the DISC is covered in dirt or scratched. 2. Check to see that you have inserted the DISC in the proper direction. 3. Check to see that the disc is a genuine disc supported by the device.
Q : The image color or brightness level is poor.	<ol style="list-style-type: none"> 1. Use the display controls to adjust the contrast, tone or color.
Q : Sound does not work.	<ol style="list-style-type: none"> 1. Check to see whether the volume level is set to "0". 2. Sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.
Q :The Mobile Phone and Bluetooth call does not work.	<ol style="list-style-type: none"> 1. Check to see that the mobile device supports Bluetooth feature. 2. Check to see that the mobile phone is properly paired and connected with the HEAD UNIT.



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