



Media integration kit for iPod, USB and BT



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Introduction

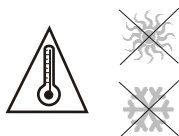


SUBARU

Thank you for purchasing the Subaru®Media interface. Please review this user's guide for safety warnings and operating tips.

⚠ Warning!

!Do not allow the Media interface to distract you from driving! Only operate the unit when stationary or ask passengers to operate it for you. Subaru and its regional offices, distributors or resellers does not accept any responsibility for any damage or injury as a result of using the Subaru Media interface. Exercise good judgment and keep your eyes on the road at all times! Do not expose the device to extreme temperature!



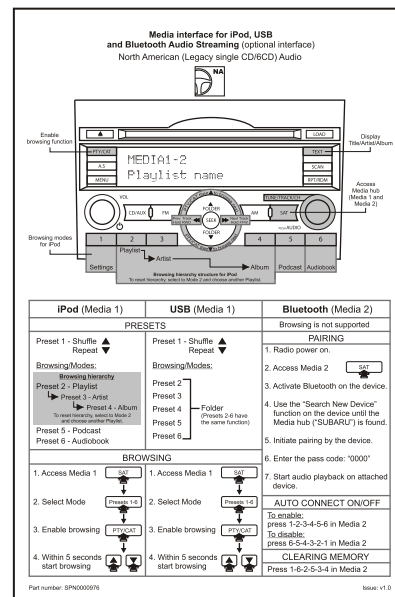
■ Icon legends

	Turn jog dial		Operating the iPod
	Turn jog dial repeatedly		Bluetooth audio streaming
	Press button		USB operation
	Press and hold button		Operation applies to European left-hand drive vehicles
	Press button repeatedly		Operation applies to European right-hand drive vehicles
	Scroll		Operation applies to Australian vehicles

■ Support material

Quick reference guide

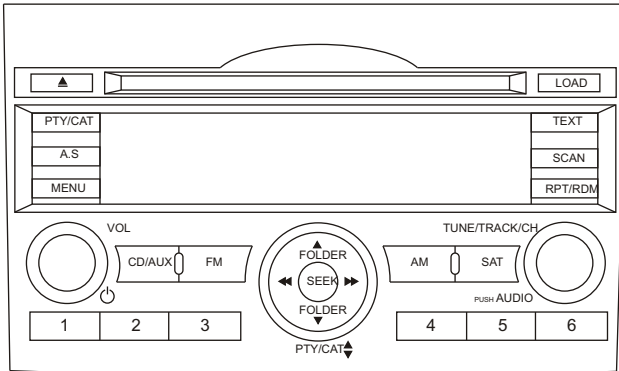
This handy guide was created to offer you a convenient reference for using the Media interface. Please keep it in your glove compartment. Make sure to use the appropriate guide made for your radio.



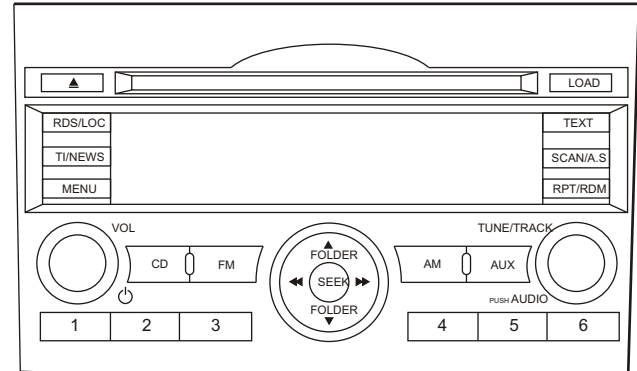
Type A audio set - Legacy single CD/6 CD



North American Audio



European Union Left Hand Drive Audio



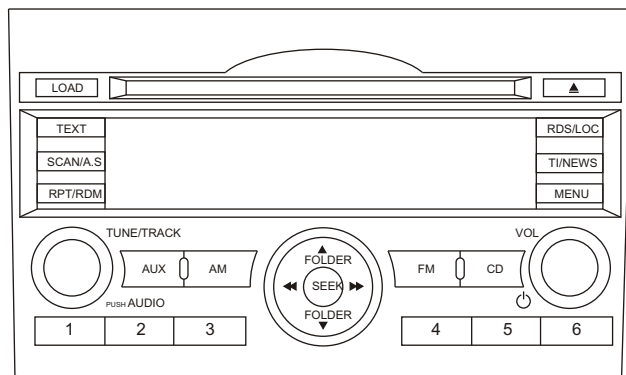
Note that a LOAD button is present on the 6 CD changer radios.

The radio only displays ASCII characters, accented characters are displayed without the accent; other characters are substituted by "?"

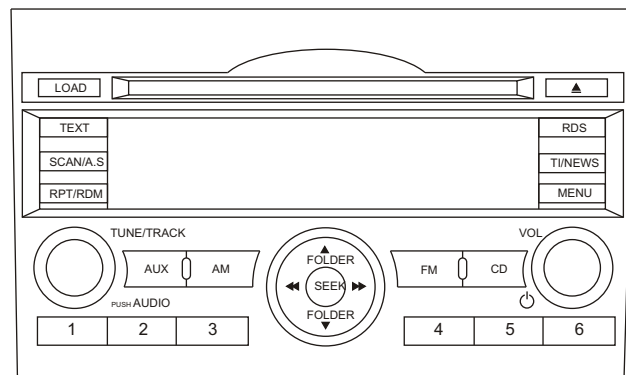
Type A audio set - Legacy single CD/6 CD



European Union Right Hand Drive Audio



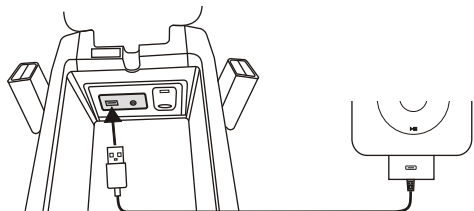
Australian Audio



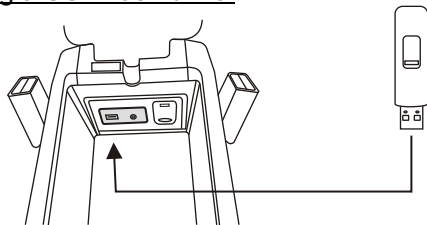
■ Connecting to the Media hub

Connecting the iPod:

The Media interface kit does **not** include the iPod cable. Please use the original Apple iPod dock connector that comes standard with the purchase of an Apple iPod.



Connecting a USB flash drive:



Pairing a Bluetooth device (optional feature):



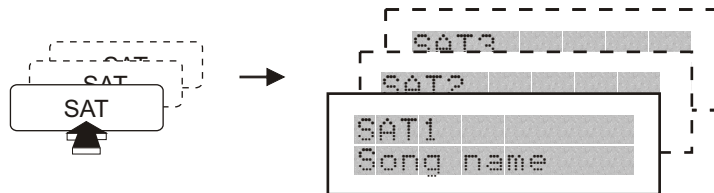
■ Accessing the Media hub

Access Media interface by pressing the **[SAT]** button on the head unit until the top line of the display shows "Media1" or "Media2" (optional feature).

Use **[AUX]** button instead of **[SAT]** in vehicles below:



Note: SAT1/2/3 are used for Satellite radio and are available only if SAT tuner is installed:



Accessing Media hub (iPod and USB):

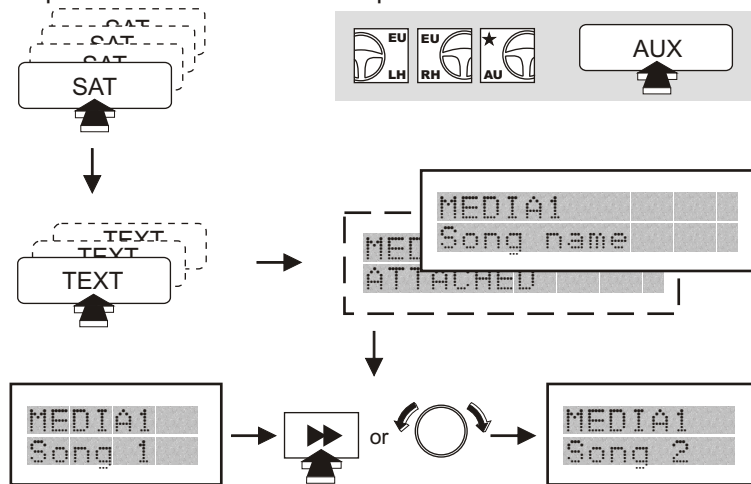


Accessing Media hub Bluetooth Audio (optional feature):



- Easy access - iPod/USB devices

Step1:



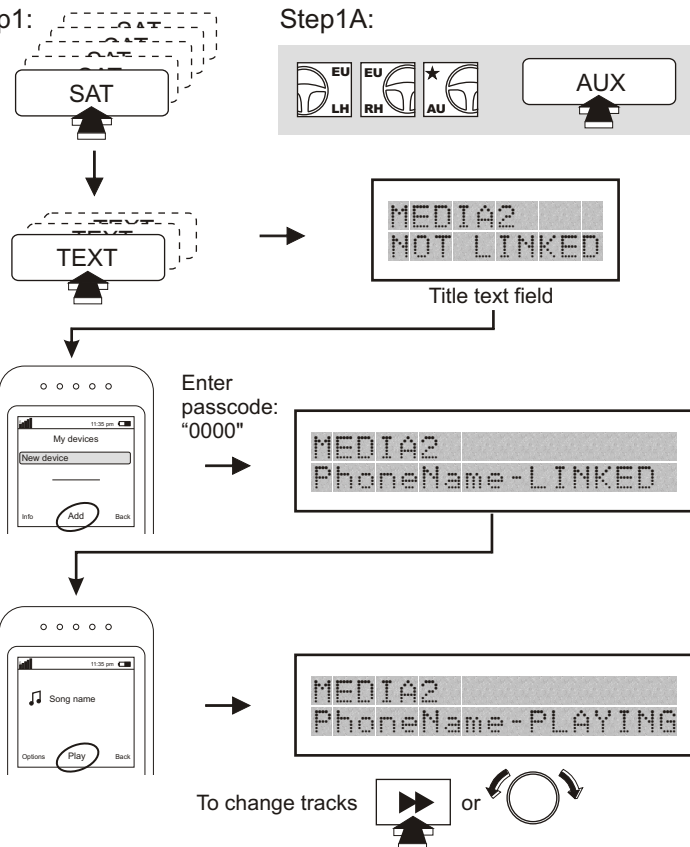
■ Quick browse feature for iPod

Press the **Seek** button or turn the jog dial repeatedly until the desired selection is reached. About 1 second after the button/dial is released the iPod will begin playing the selection. The selection for the USB flash drive is immediate.



- Easy access - Bluetooth device

Step1:



Operating the iPod - General overview



■ Before use

Make sure to update you iPod to the latest firmware version through iTunes.



iPod
5th generation (video)
30GB



iPod
5th generation (video)
60GB 80GB



iPod nano
2nd generation (aluminum)
2GB 4GB 8GB



iPod nano
3rd generation (video)
4GB 8GB



iPod nano
4th generation (video)
8GB 16GB



iPod classic
120GB



iPod classic
80GB 160GB



iPod touch
1st generation
8GB 16GB 32GB



iPod touch
2nd generation
8GB 16GB 32GB



iPod
4th generation
20GB 40GB

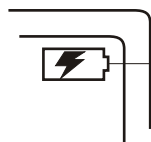


iPod
4th generation (color display)
20GB 30GB 40GB 60GB

Compatibility information is based on data available at time of printing. For up to date information on newer iPod compatibility or other questions, please refer to contact information on back cover.

■ Charging

The interface automatically charges the battery of the iPod when connected and the key is in the ACC/ON position.



The icon appearing on the upper right corner of the iPod screen indicates charging.

■ Browsing hierarchy structure

Music stored on the iPod is categorized based on the Song name, Artist and Album information contained within each Track. Music purchased from online stores comes with accurate Track information, but you may need to update these fields* if music content originates from ripping CD. A large music collection typically results in having 100s of Artists with 1000s of Albums. An arbitrary list of Songs may be organized into a Playlist (using iTunes); you may have many Playlists.

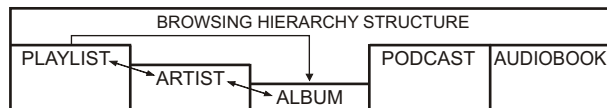
To play a desired Song within an Album, you may browse through a long list of Albums. Alternatively, you may narrow down the selection using Playlist as the primary filter, Artist as the 2nd level filter and Album as the 3rd and final filter. This type of approach is a more efficient way to get to a desired music selection.

* Artist and Album tag info are embedded in each song. Please refer to iTunes' info tag screen (CTRL+I on a PC, + I on a Mac) to verify and correct Song information as needed. Only the fields circled below may be displayed on the radio.

Summary		Info	Sorting	Options	Lyrics	Artwork
Name Symphony No. 9 (Scherzo)						
Artist Ludwig van Beethoven, composer. Seattle Symphony. Gerard Schwarz, director						Year 2001
Album Artist						Track Number 1 of 1
Album Beethoven's Symphony No. 9 (Scherzo)						Disc Number 1 of 1
Grouping						BPM
Composer Beethoven						

■ Hierarchy structure of the interface

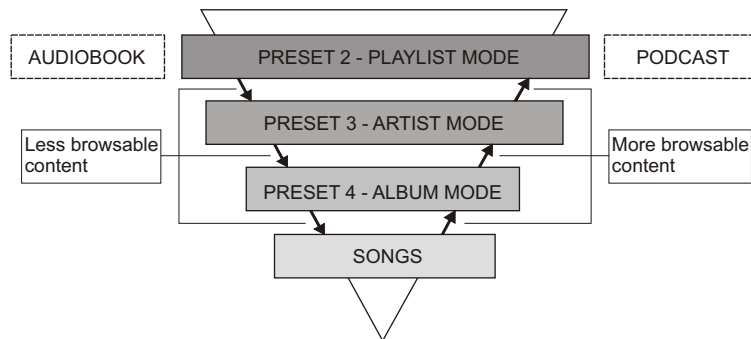
By default, the interface creates a Playlist having a name that is the same as the name of the iPod. This Playlist is the very first on the list of Playlists shown while browsing with the category select keys in Playlist Mode. Note that this "all content" Playlist may have as many as several thousand songs, therefore it should not be used for general browsing, but for random content playback with the Shuffle Mode engaged, or for further filtering by Artist and Album. Once a Playlist is active an Artist may be selected within that Playlist using the Artist Mode. Albums by the selected Artist and within the selected Playlist may be selected in Album Mode. "ALL ARTIST" and "ALL ALBUM" designate all available content in those categories.



To select an Album that is not in the current list, you must go back one filter level and select the Artist having the desired album first, before the actual Album could be selected. You may also go back to the top filter level by selecting a different Playlist having the content.

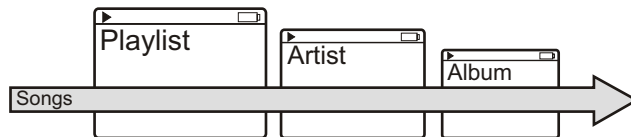
We do not recommend putting Podcast and Audiobook content into a Playlist because if an Audiobook is added to a Playlist then tune dial will not take you to the next Chapter but to the following entry of the Playlist. Playlists can only contain Episodes of a Podcast.

Browsing hierarchy



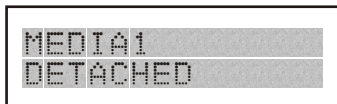
■ An example of the browsing hierarchy

The first Playlist is the name of the iPod and contains all music stored on the iPod. According to the selected Playlist, the following browsing hierarchy is true:

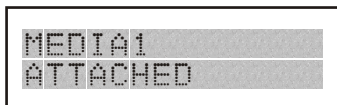


■ Connecting and disconnecting the iPod

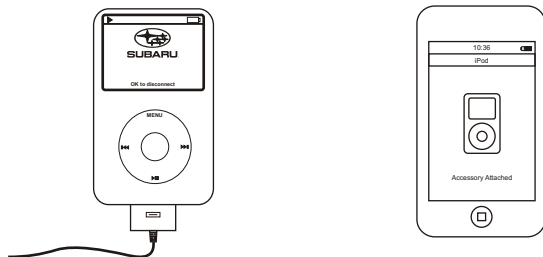
When the iPod is not connected, the "DETACHED" message will be displayed in the Title, Name and the Category text fields on the head unit.



When the iPod is connected, the "ATTACHED" message will temporarily be displayed in the Title, Name and the Category text fields while communication is established. If the iPod is completely discharged or in deep sleep this message will be displayed for up to 1 minute.



The buttons on the iPod are deactivated when connected. In 5-10 seconds either the Subaru logo or the "Accessory attached" message is displayed on the screen of the iPod.

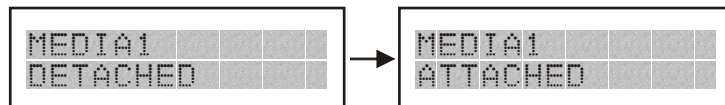


■ Available text fields before and after synchronizing with the iPod

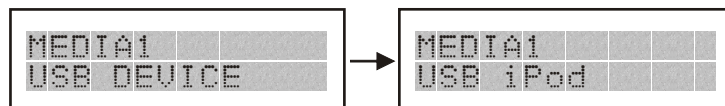
After connecting the iPod it will take about 10 seconds to establish communication. When the process is completed the preselected music will be playing or the "EMPTY/STOP" message is displayed.

Radio display during the connection process:

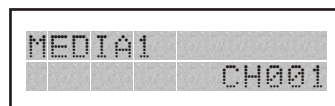
At TITLE/NAME/CATEGORY text fields:



At CH NAME text field:

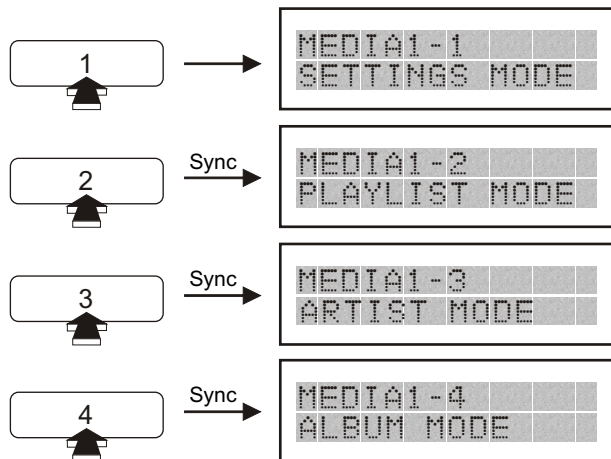


At CH NUMBER text field (fixed text field):

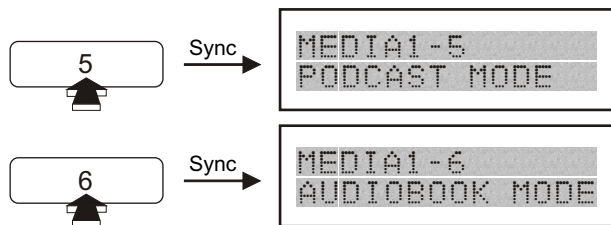


Preset buttons while the iPod is connected:

Changing between Modes 1-4 will not interrupt music playback if synchronized. The first press of Presets 2-6 will synchronize the iPod with the Media hub.

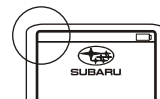
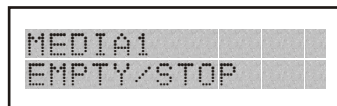


Switching to and between Modes 5-6 will immediately trigger Podcast and Audiobook playback.

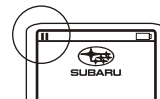
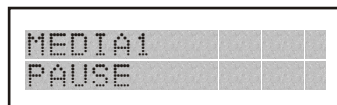


■ Text messages

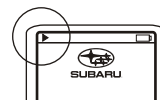
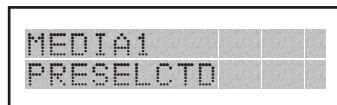
When the end of selected content is reached the "EMPTY/STOP" message will be displayed in Title, Name and Category text fields.



"PAUSE" message may be displayed when iPod is connected and it was already paused. If paused, select the next track to resume playback.



When the iPod is connected while playing, the selected content will continue to be played and next/previous track controls will work as expected.* The "PRESELCTD" message will be displayed in the Category text field. When engaging the browse mode with the PTY/CAT button, "PRESELCTD" is only shown until the preset buttons 2-6 are pressed and the iPod is synchronized with the head unit.

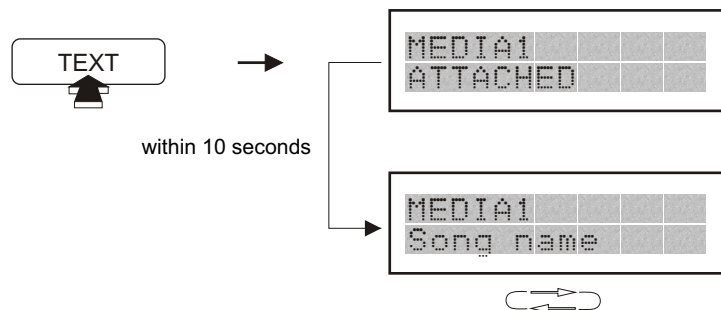


*Next/previous will not go within Chapters of an Audiobook.

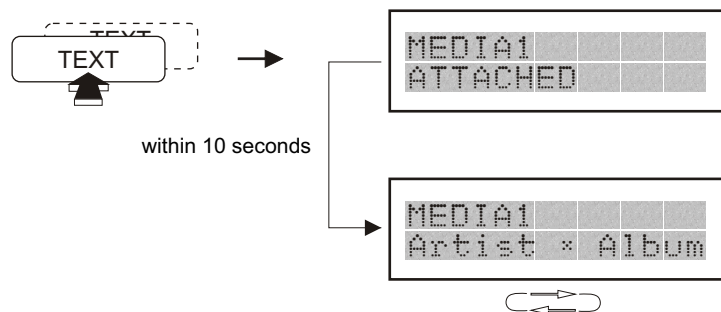
Text fields upon connecting an iPod

Press the **TEXT** button repeatedly to cycle through the available text fields.

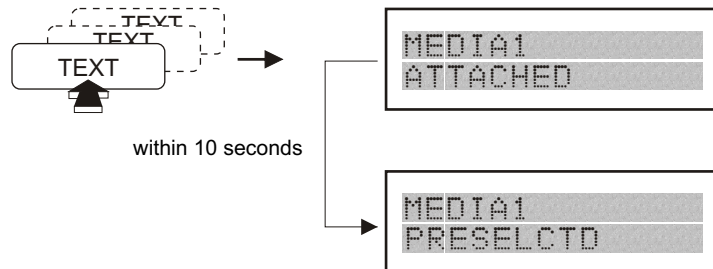
At TITLE text field:



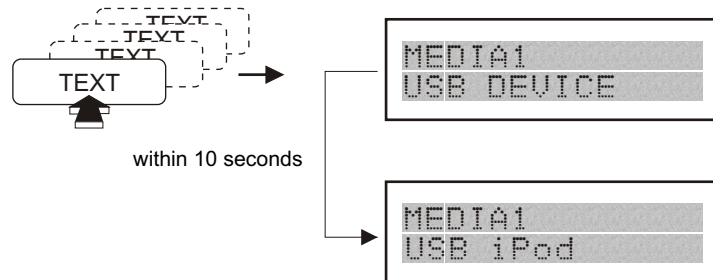
At NAME text field:



At CATEGORY text field:



At CH NAME text field:



At CH NUMBER text field:
(fixed text field)



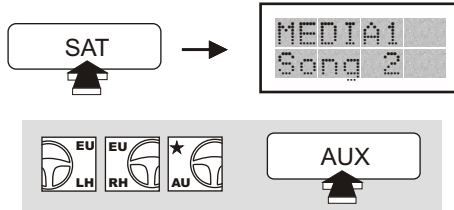
Radio controls and available modes



Radio controls

SAT button - source selector

Press the **SAT** button repeatedly to access Media 1.

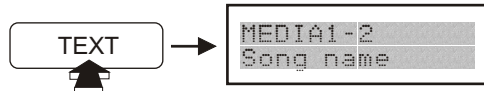


Display shows the last text field information. See page 14 for details on text messages.

TEXT button

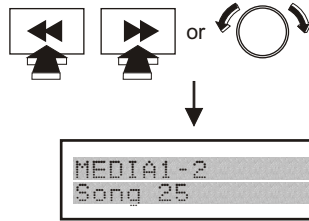
Press the **TEXT** button repeatedly to cycle through the available text fields:

CH NAME = USB Device or USB iPod
 NAME = Song title
 TITLE = Artist * Album
 CATEGORY NAME = Displays the information related to the selected mode.
 CH NAME = CH001 (fixed field)



SEEK / TUNE/TRACK/CH buttons

Press the **Seek** button or turn the **Tune/Track/CH** jog dial to go to the next/previous track or to browse between Songs, Episodes or Chapters. About 1 second after the last button press, the iPod will begin playing the selection. Long text will start to scroll in about 3 seconds.



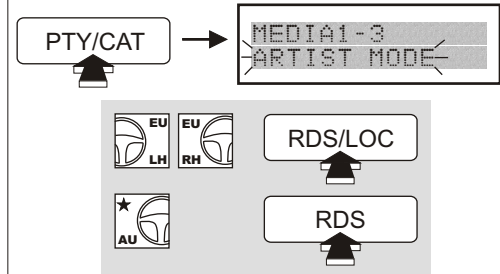
REWIND and FAST FORWARD

Press and hold the **Seek** button to rewind or fast forward a song.



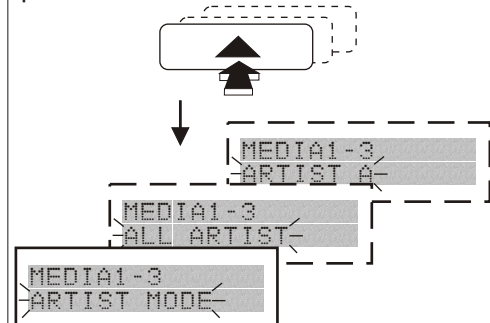
PTY/CAT button

Press this button once to enable the browsing function. Note that the second line of the display keeps blinking for about 5 seconds after pressing this button.



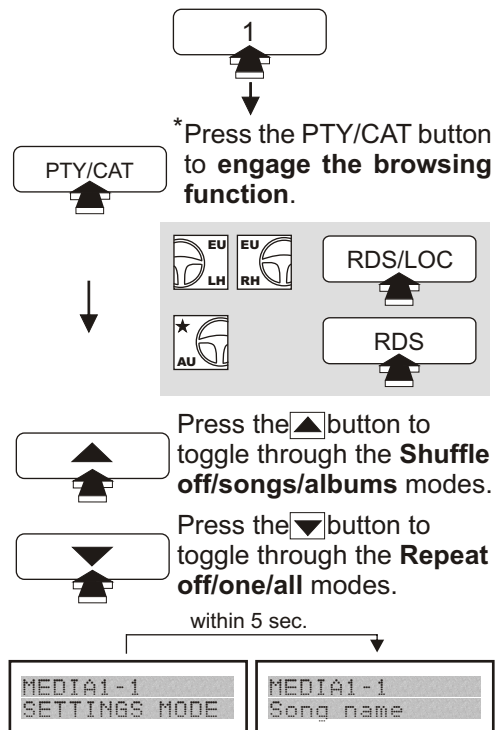
FOLDER buttons

Within 5 seconds press one of the **Folder** buttons to change Shuffle/Repeat options, browse between Playlists, Artists, Albums, Podcast Episodes, Audiobook Chapters according to the selected Mode. After 2 seconds of inactivity your selection will be performed.



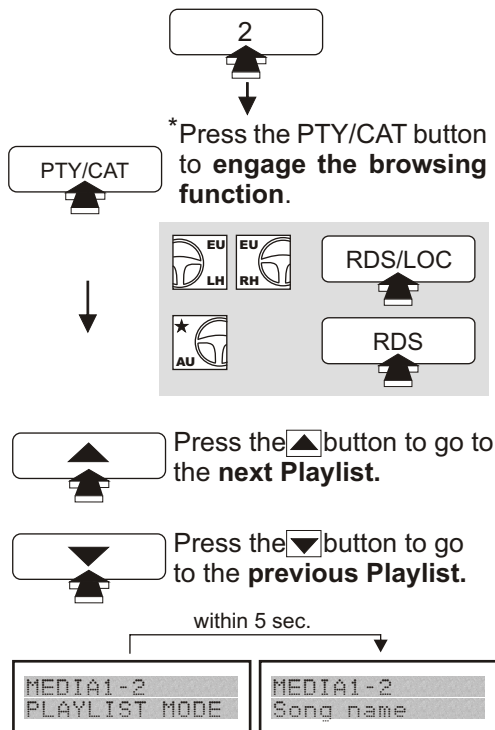
SHUFFLE / REPEAT MODE - PRESET 1

In this mode you can change Shuffle/Repeat options.



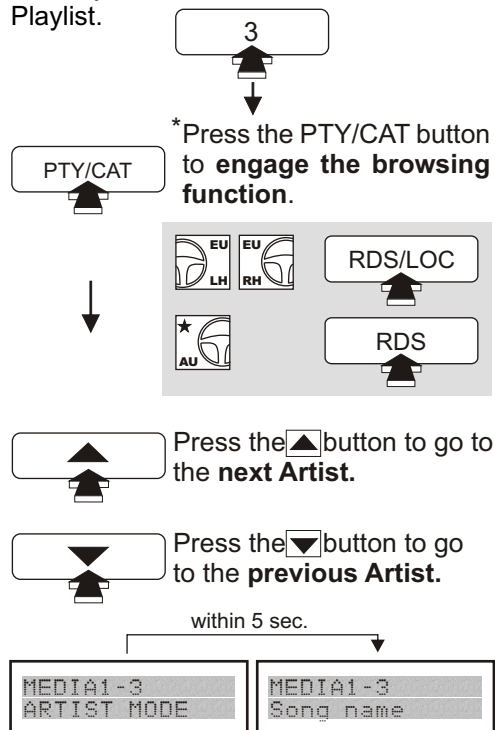
PLAYLIST MODE - PRESET 2

In this mode, you can browse by Playlists.



ARTIST MODE - PRESET 3

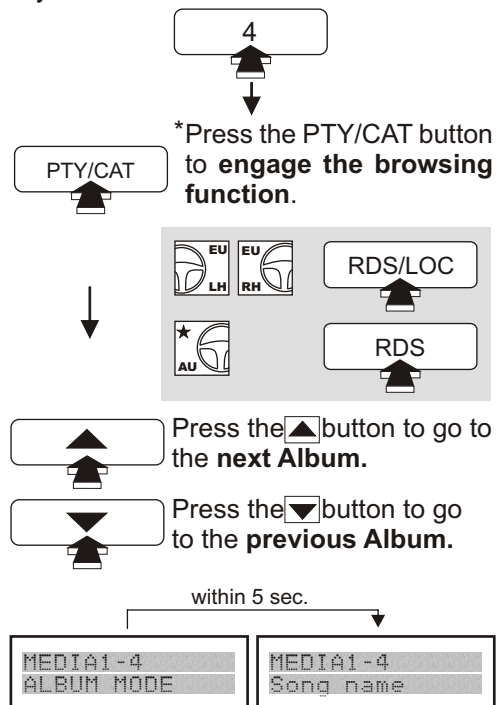
In this mode, you can browse by Artists in the selected Playlist! To reset this Mode go to Playlist Mode and select another Playlist.



* Category selection times out 5 second after the last button press.

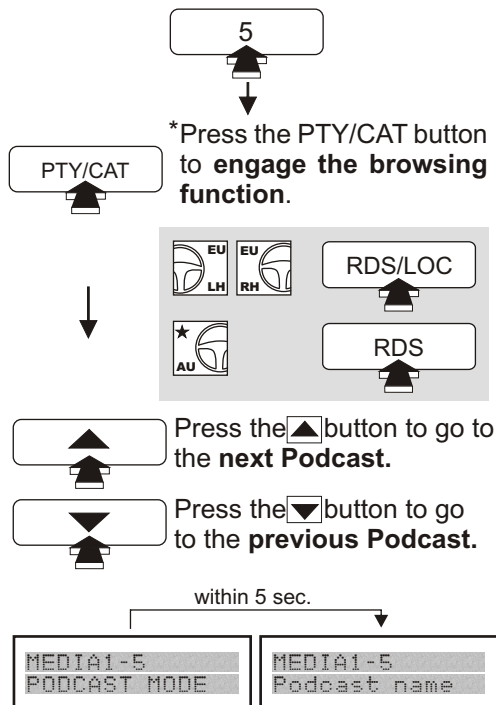
ALBUM MODE - PRESET 4

In this mode, you can browse by Albums within the selected Artist and within the selected Playlist. To reset this Mode go to Playlist/Artist Mode and select new content.



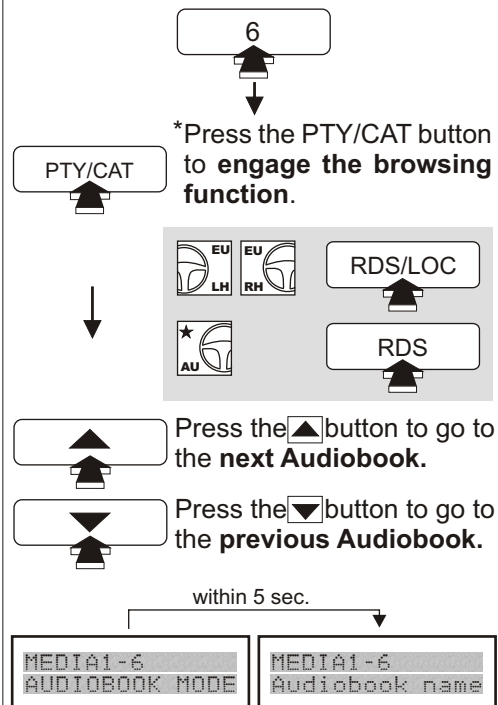
PODCAST MODE - PRESET 5

In this mode, you can browse by Podcasts.




AUDIOBOOK MODE - PRESET 6

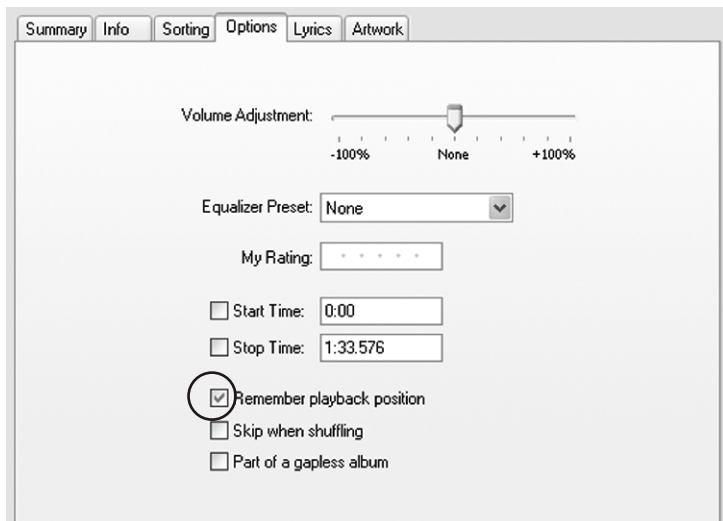
In this mode, you can browse by Audiobooks.



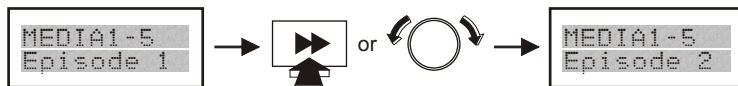
* Category selection times out 5 second after the last button press.

■ More about Podcasts

Podcasts by default “remember playback position,” and therefore will resume playback from where it was left off. You may change this setting under the Options tab of the iTunes song information screen (CTRL+I on a PC, +I on a Mac).



Use the Seek button or turn the Tune/Track/CH jog dial to go from one Episode to the other within the selected Podcast.



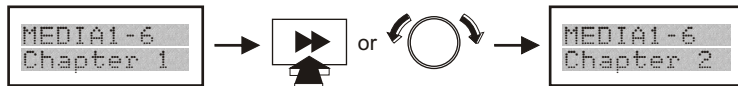
When there is no Podcast present on the iPod, the "EMPTY/STOP" message will be displayed. "No Podcast" message will be displayed when trying to browse and no Podcasts are present.

■ More about Audiobooks

Audiobooks will always “remember playback position,” and this setting cannot be changed.

After connected to the radio, Chapters previously played on the iPod will resume playback where they were left off.

Use the Seek button or turn the Tune/Track/CH jog dial to go from one Chapter to the other within the selected Audiobook.



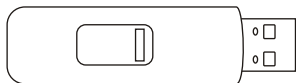
When there is no Audiobook present on the iPod, the "EMPTY/STOP" message will be displayed. "No Audiobk" message will be displayed when trying to browse and no Audiobooks are present.

USB operation - General overview

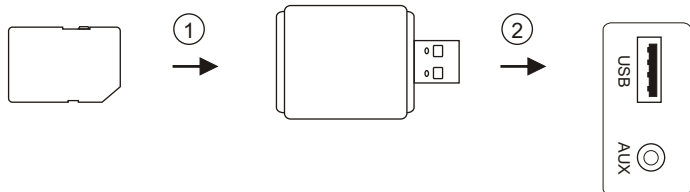


■ Supported USB drives

Supported USB flash drive must contain of a FAT16 (16 bit file allocation table) or FAT32 type partition (used by Windows) as the first partition. Other file systems, including NTFS (used by Windows), or other types used by variations of Unix are not supported.



Memory cards (such as SD, CF, MS, xD) are not directly supported. Certain memory card readers may be used to convert a memory card to a USB flash drive, thereby enabling content playback. Only single card converters without a driver may work, however compatibility is not guaranteed. Hot swapping is not supported. The memory card must be installed into the reader **before** connecting the reader to the Media hub.

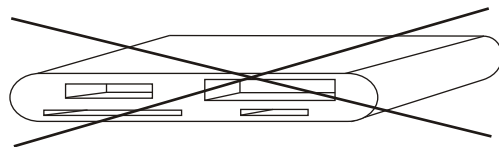


For illustration purposes only. Compatibility is not guaranteed.

USB hard drive and password protected USB are not supported.

USB hub is not supported. Only a single USB device is recognized and supported.

USB extension cable may be used to allow connectivity of non-standard form factor flash drive connection. We recommend using the shortest cable length (4"-6") if any.



■ Supported file formats

Supported content must be of type MP3 having a .MP3 extension, WMA (without DRM) having a .WMA or .ASF extension, AAC (without DRM) having a .M4A extension.

■ Performance

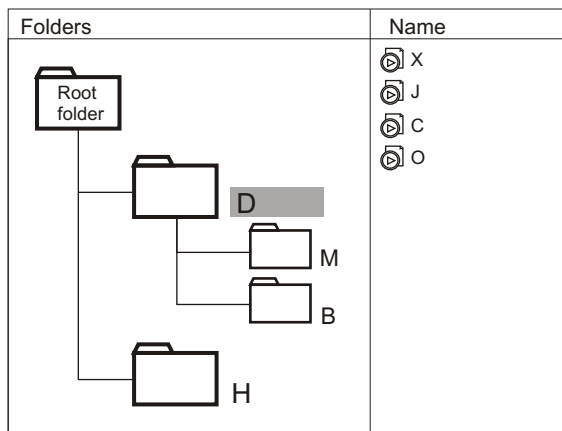
The more content is stored the longer the analysis of a USB drive will take. While files that are not of the supported music type are ignored, having lots of files and folders creates a performance overhead. Frequent use of a drive creates "fragmentation" within the file system, which is not addressed when a file is erased, rather it must be dealt with by running a defragmentation program, or reformatting the USB flash drive.

For best results, we recommend that the music is organized on the hard drive of a computer, and then copied to a new or reformatted USB flash drive that is to be used for music storage and playback only.

■ Content playback

Content is played back in the order it was stored on the drive (the first added is played back first). This order is typically not alphabetical, unless a conscious effort was made to sort the content alphabetically prior to copying to the USB flash drive.

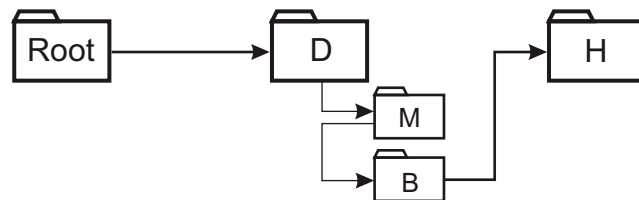
Only the first 8 levels of folders are accessible. Folders without supported music content will be ignored.



■ Folder browsing

Folder browsing will follow the order:

Root → Folder 1 (D) → Folder 2 (M) → Folder 3 (B) → Folder 4 (H). In the event of sub-folders, browsing will go down the hierarchy to the sub-folders and afterwards then go to the next folder.



■ Connecting and disconnecting the USB device

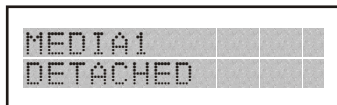
Device connection to the Media interface is done via the USB receptacle found in the center console. USB connectivity is based on the USB Full Speed standard to ensure compatibility to a wide range of devices. To remove the USB drive, simply disconnect it from the USB receptacle.

■ Playback position

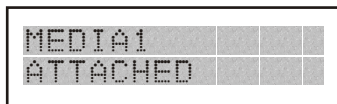
A USB flash drive does not have playback position memory, therefore content playback will not resume where it was left off if the drive is removed and reinserted or the vehicle is powered down for more than 10 seconds. However if the audio system is turned off and on without cycling the ignition, it will resume content playback from the last position.

■ Text messages

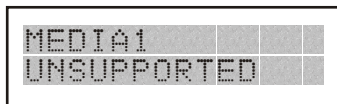
When the USB drive is disconnected, the "DETACHED" message will be displayed in the Title, Name and the Category text fields.



When the USB drive is connected, the "ATTACHED" message will temporarily be displayed in the Title, Name and the Category text fields while communication is established.



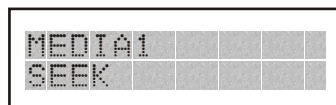
When the USB drive is not supported, the "UNSUPPORTED" message will be displayed in the Title, Name and the Category text fields.



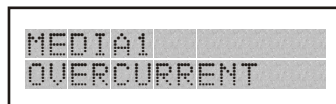
When no content is available the "EMPTY/STOP" message will be displayed in Title, Name and Category text fields.



When the content of a folder is being loaded the "SEEK" message will be displayed in Title, Name and Category text fields. It may take a couple of seconds depending on the number of files in each folder and drive capacity.



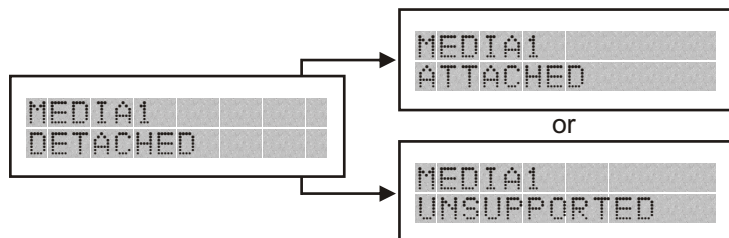
USB port current is limited. Power supplied on the USB port is to enable operation of a USB flash device. The radio will display "OVERCURRENT" and shut down the power to the port if excessive drain is detected.



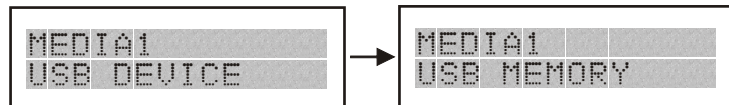
■ Available text fields

Radio display during the connection process:

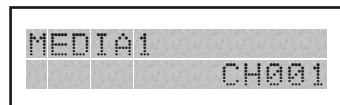
At TITLE/NAME/CATEGORY text fields:



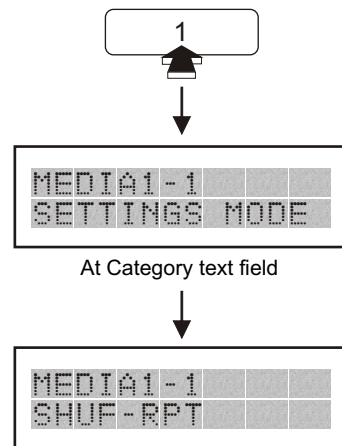
At CH NAME text field:



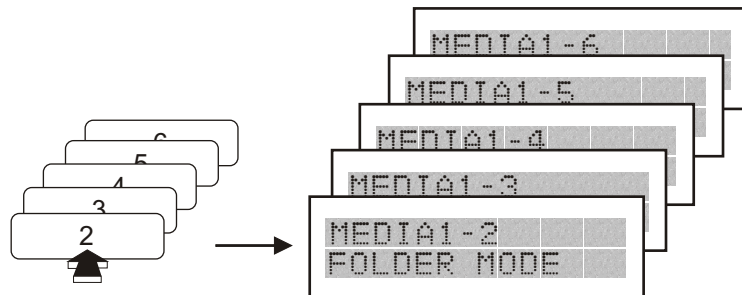
At CH NUMBER text field (fixed text field):



Preset buttons while USB drive is connected:



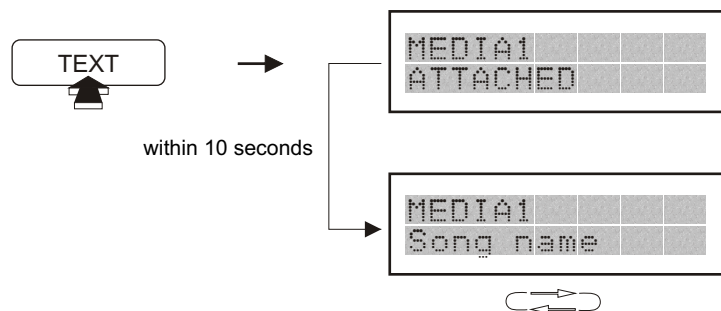
Preset buttons 2 - 6 have the same function.



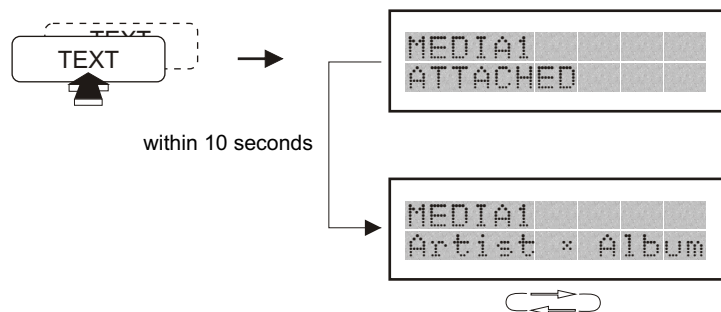
Text fields upon connecting a supported USB drive

Press the **TEXT** button repeatedly to cycle through the available text fields.

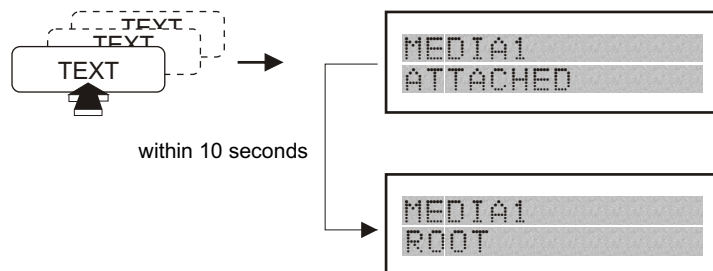
At TITLE text field:



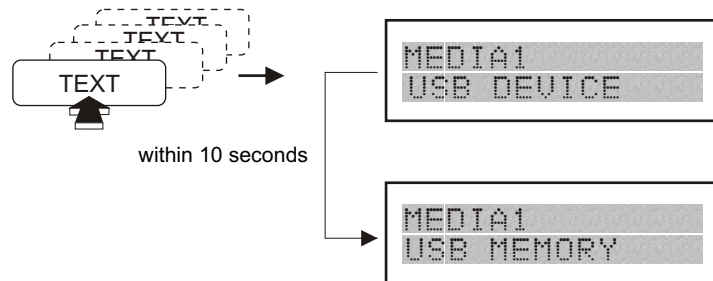
At NAME text field:



At CATEGORY text field:



At CH NAME text field:



At CH NUMBER text field:
(fixed text field)



Operating the USB flash drive

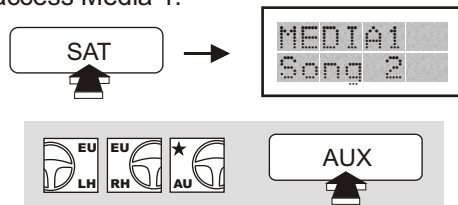


SUBARU

■ Radio controls

SAT button - source selector

Press the **SAT** button repeatedly to access Media 1.



Display shows the last text field information. See page 24 for details on text messages.

TEXT button

Press the **TEXT** button repeatedly to cycle through the available text fields:

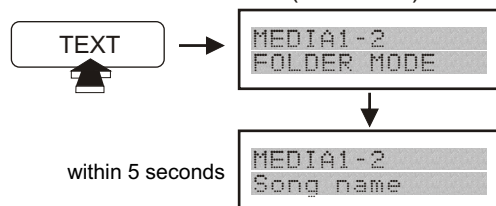
CH NAME = USB Device (USB MEMORY)

NAME = Song title

TITLE = Artist * Album

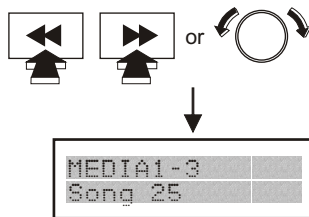
CATEGORY NAME = Displays the information related to the selected mode.

CH NAME = CH001 (fixed field)



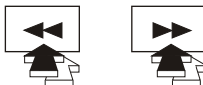
SEEK / TUNE/TRACK/CH buttons

Press the **Seek** button or turn the **Tune/Track/CH** jog dial to go to the next/previous track or to browse between Songs. Long text will start scrolling in about 3 seconds. To browse songs press the **Seek** button repeatedly or turn the **Tune/Track/CH** jog dial until you reach the desired item.



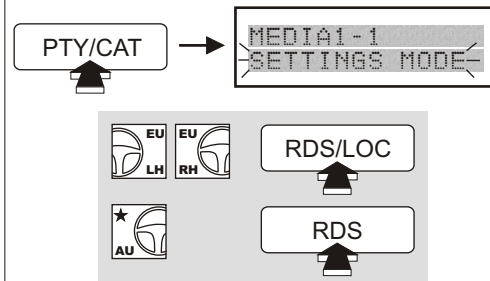
REWIND and FAST FORWARD

Press and hold the **Seek** button to rewind or fast forward a song.



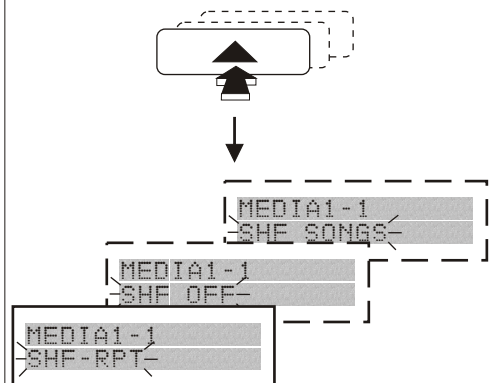
PTY/CAT button

Press this button once to enable the browsing function. Note that the second line of the display keeps blinking for about 5 seconds after pressing this button.



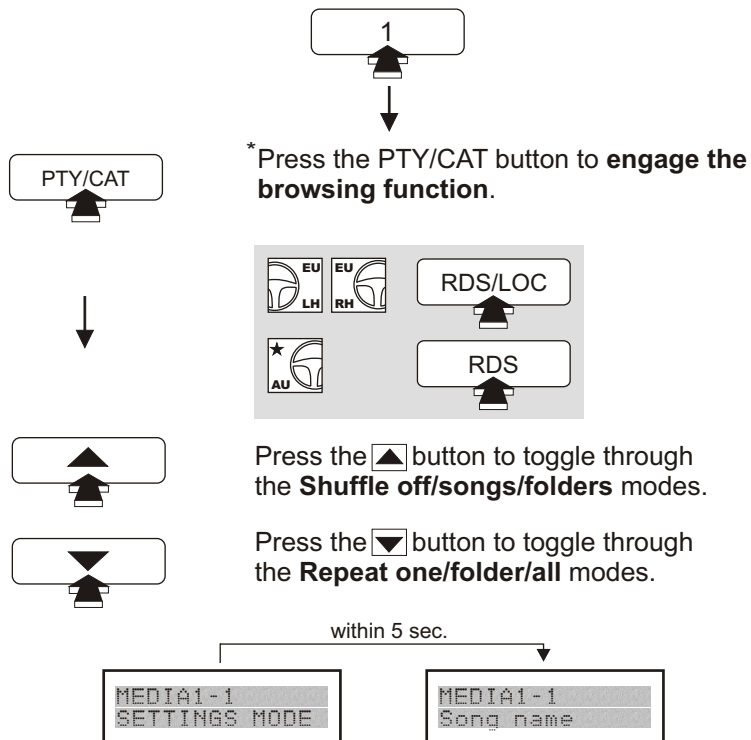
FOLDER ♦ buttons

Within 5 seconds press one of the buttons to change Shuffle/Repeat options or browse between Folders. There is a 5 second delay for Shuffle/Repeat settings to take effect.



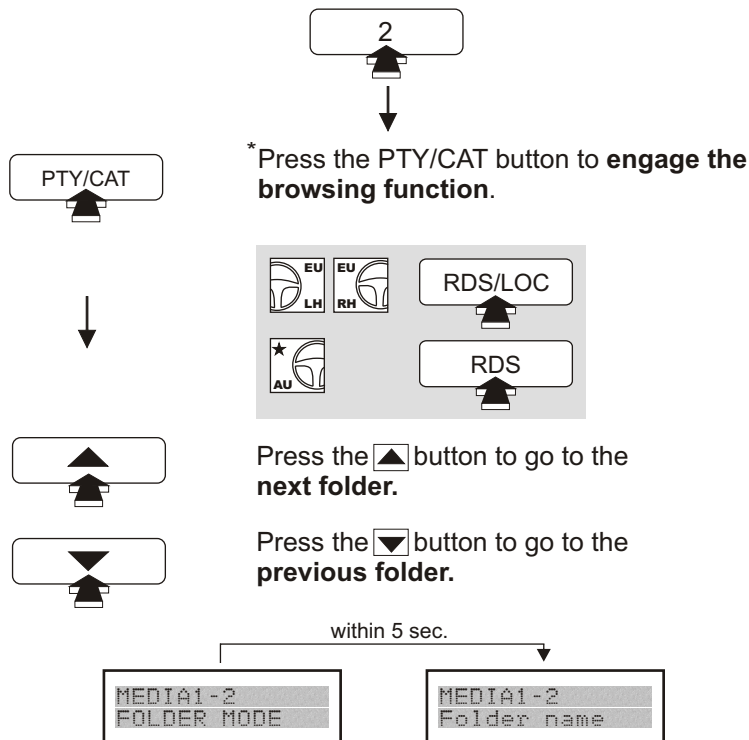
SHUFFLE / REPEAT MODE - PRESET 1

In this mode you can change Shuffle/Repeat options.



FOLDER MODE - PRESETS 2 - 6

In this mode, you can browse by Folder.



* Category selection times out 5 second after the last button press.

Bluetooth operation - General overview

(Optional feature)



■ Bluetooth support

Bluetooth music playback requires a phone or other playback device that supports the Bluetooth A2DP profile. To control the music, the device must also support the Bluetooth AVRCP profile. Not all Bluetooth enabled phones support these profiles, even though they may have music playback through wired headphone connection. Please consult with the user manual of your device to verify compatibility. Carrier specific limitations and restrictions may apply.

Phones that are A2DP/AVRCP capable typically have a music playback application that is needed to be active in order for the music streaming to be supported. In many cases, the music playback application can be left running in the background to simplify connectivity. You may be able to just press the pause button on your phone after disconnecting from the Media unit to keep the application running.

■ Connecting a Bluetooth device

Before you can listen to music via A2DP you need to pair the phone with the Media hub. This process varies but in general you need to turn on the Bluetooth function, set the phone to be discoverable, and select search for devices. Please note that the Bluetooth section of the Media hub is only active in Media 2 mode.

A 3rd party Bluetooth device (such as a headphone) that uses the A2DP profile may conflict with the operation. A phone may not be able to maintain more than one active Bluetooth connection, so you may have to disconnect from one Bluetooth device in order to connect to the Media unit.

■ Multiple devices and connection

You may pair up to 4 devices to the Media hub. Upon activating the Media 2 mode, the system will attempt to auto connect to the last active device. The name of the device is displayed as “name – LINKED” to help to identify which device the connection was made to. If you desire to connect a device other than the one auto connecting, please disable Bluetooth on the original device to disconnect it from the Media unit, then select the Media interface on the secondary Bluetooth device. By default connection is automatically initiated, however this can be disabled if needed. (Pairing information beyond the 4th device is not stored, therefore the 5th, 6th, etc. devices must be paired and authorized at every connection. See the next page about clearing the pairing memory to allow for auto connection.)

■ Auto connect

Auto connection only works with devices that have been previously paired to the Media hub.

An “accept connection request” or similar message may show on the phone when the connection is initiated. This can be avoided by setting the connection under the Bluetooth device list on the phone as “authorized”.

To enable the Media hub's Auto reconnect function, press the following Preset button combination: 1-2-3-4-5-6 while in Media 2 mode.

To disable Auto reconnect, press the Preset button combination: 6-5-4-3-2-1 while in Media 2 mode.

To confirm the auto connect status please follow these steps:

- Disconnect Bluetooth connection - “NOT LINKED” message should display on the radio.
- Press and hold the Preset 1 button for 2 seconds.

Note the “AUTO ON” or “AUTO OFF” status is displayed following the firmware version.

■ Clearing Bluetooth pairing information

To clear all previously paired phone's information from memory, press the following Preset button combination: 1-6-2-5-3-4 while in Media 2 mode.

■ Disconnecting/Reconnecting a Bluetooth device

Switching away from Media 2 to any other mode (AM/FM/etc.) will cause the Bluetooth link to be disconnected. The device should display a “Bluetooth connection disconnect” notice in 5-15 seconds, and may ask to continue music playback on its on speaker. Pause and play only works if AVRCP is supported by the phone.

■ Incoming/Outgoing calls

The Media unit disconnects upon detecting an incoming phone call. You should hear the ring tone on the phone. This allows a hands free kit to be connected to handle the phone call.

The Media unit does not support initiating phone calls.

■ Specifications

Bluetooth 1.2 compatible class 2 device
10 meters / 33 feet range

Bluetooth music streaming operation

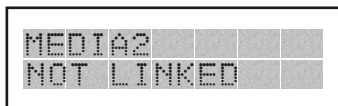


SUBARU

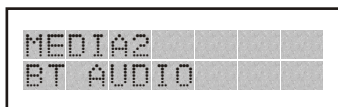
■ Accessing the Bluetooth Audio - Media 2

No Bluetooth device is connected:

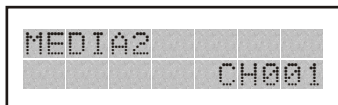
At TITLE/NAME/CATEGORY
text fields:



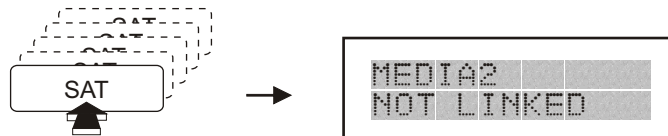
At CH NAME text field:
(fixed text field)



At CH NUMBER text field:
(fixed text field)



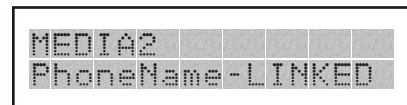
Accessing Bluetooth Audio (optional feature):



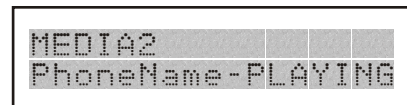
Use **AUX** button instead of **SAT** in vehicles below:



Enter
passcode:
"0000"



As soon as connection is established:



■ Pairing a Bluetooth audio device

Pairing of a Bluetooth audio device is handled through the device itself. The pairing sequence depends on the device, but generally follows this order:

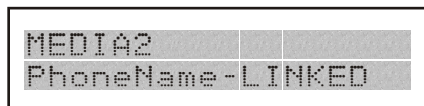
1. Radio power on.
2. Go to Media 2 by pressing **[SAT]** (NA) or **[AUX]** (EU/AU) button on head unit.
3. Activate Bluetooth on the device.
4. Use the “Search New Device” function on the device until the Media hub (“SUBARU”) is found.
5. Initiate pairing by the phone/device.
6. Enter the pass code: “0000”



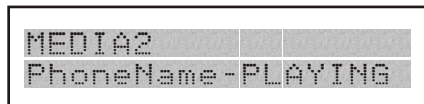
The above drawing is for illustration purposes only.

■ Text messages

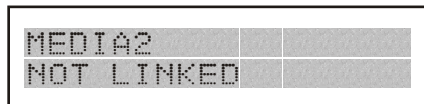
When the Bluetooth device is paired, but the A2DP music stream is inactive, or not supported, the “PhoneName-LINKED” message will be displayed in the Title, Name and Category text fields.



When the Bluetooth audio device is ready to stream audio, the “PhoneName-PLAYING” message will be displayed in the Title, Name and Category text fields. If the A2DP stream is active, content may be audible, but could be muted/paused/stopped on the paired device.



When the Bluetooth audio device is not paired or connected, the “NOT LINKED” message will be displayed in the Title, Name and Category text fields.



A Bluetooth device is connected:

Press the **TEXT** button repeatedly to cycle through the available text fields.

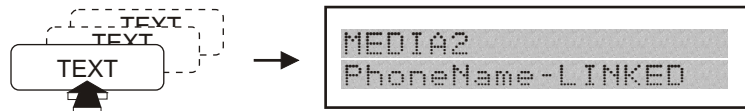
At TITLE text field:



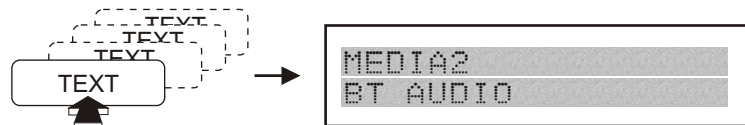
At NAME text field:



At CATEGORY text field:



At CH NAME text field:
(fixed text field)



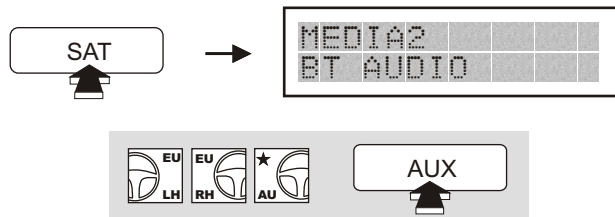
At CH NUMBER text field:
(fixed text field)



■ Radio controls

SAT button - source selector

Press the **SAT** button repeatedly to access Media 2.



Display shows the last text field information. See page 35 for details on text messages.

TEXT button

Press the **TEXT** button repeatedly to cycle through the available text fields:

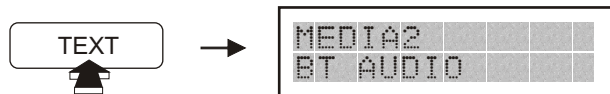
CH NAME = BT AUDIO

NAME = PhoneName-LINKED or PhoneName-PLAYING

TITLE = PhoneName-LINKED or PhoneName-PLAYING

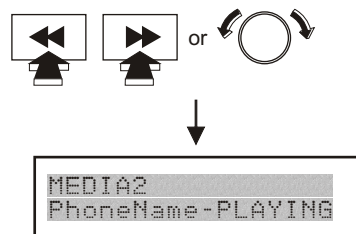
CATEGORY NAME = PhoneName-LINKED or PhoneName-PLAYING

CH NAME = CH001 (fixed field)



SEEK / TUNE/TRACK/CH buttons

Press the **Seek** button or turn the **Tune/Track/CH** jog dial to go to the next/previous track.



REWIND and FAST FORWARD

If rewind and fast forward is supported by the Bluetooth device, press and hold the **Seek** button to rewind or fast forward a song.



Not all devices support RWD/FFW.

PRESETS 1-6

There is only one operating mode while in Media 2. Changing Shuffle/Repeat settings and browsing are not supported in Media 2. Specific key combinations are available to change connection and pairing preferences.

Operation tips for iPod, USB and Bluetooth devices



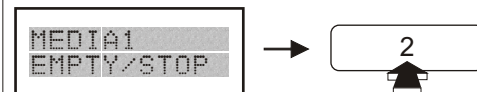
SUBARU

Scenario

Why does the radio display show "EMPTY/STOP" and no music plays?

**Recommended action**

End of a playlist or folder is reached. Please select a new Playlist or Folder using Preset 2.

Illustration

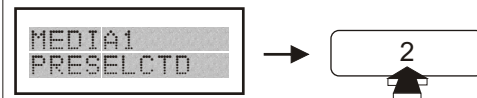
See page 14 for details.



Why does category read "PRESELCTD"?



Playback of content selected on the iPod before connected to the interface continues until new content is selected.



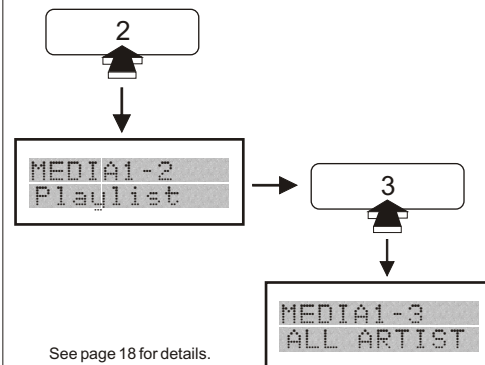
See pages 14 for details.



Not all Artist names are displayed when browsing.



When browsing by Artist, the interface when used with iPod will list all artists within the current selected Playlist. If the Artist is not in the current Playlist, it will not be shown. To display "ALL ARTIST", please select the first Playlist in Preset 2, which contains all Songs on the iPod. This Playlist will have the same name as the iPod. You may then go directly to Preset 3, browse by Artist, and "ALL ARTIST" will be displayed.



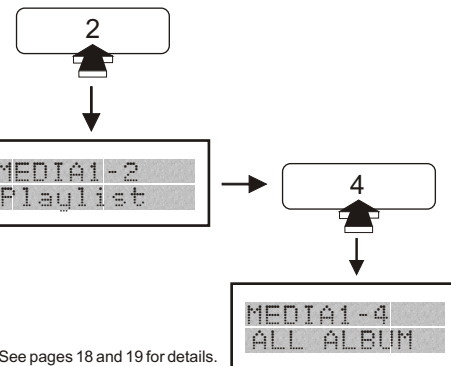
See page 18 for details.



Not all Album names are displayed when browsing.



When browsing by Artist, the interface when used with iPod will list all Albums by the selected Artist within the selected Playlist. To display all Albums, please select the first Playlist in Preset 2, which contains all music on the iPod. This Playlist will have the same name as the iPod. You may then go to Preset 4, and "ALL ALBUM" will be displayed. You may also use the browsing hierarchy to speed up your Album/Artist search.



See pages 18 and 19 for details.



Why is the Artist/Album name incorrect or not displayed?



To display properly, the text information must be contained within the music file. Please verify that the text is included within the music file and does not exceed 240 characters.

For iPod, go to www.apple.com or use your iTunes software.

For USB drive, use your music playback application to update the ID3 tag.



What size of USB flash drive should I use?



Although up to a 64GB flash drive may be used, we recommend drives below 4GB for optimum experience, because USB flash drives are not optimized for music playback. While an iPod contains a database of song information generated by iTunes to support quick and efficient selection of Playlist, Artist and Albums, a USB flash drive is only accessible by folders and files. The directory structure of a USB drive must be analyzed one file at a time. This delay may be most noticeable when enabling the random all setting ("SEEK" message). Good organizational structure and a dedicated flash drive goes a long way in improving performance.

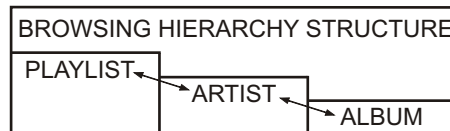


Why does it take too long to find a particular Artist/Album/Song?

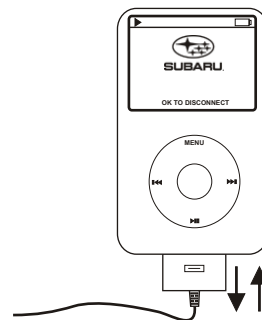


Use the browsing hierarchy to speed your search. For Example: From Mode 2 (Playlist Mode), select the smallest Playlist containing the desired Song/Artist/Album. Then press Preset 3 (Artist Mode) and browse to the desired Artist. Use Tune/Track to move between Songs by the selected Artist. The search can be further narrowed by pushing Preset 4 (Album Mode) and then browsing through the Albums by the selected Artist.

Use Tune/Track to move between Songs on the Album. To reset the browsing hierarchy, return to Playlist Mode and select another Playlist. Alternatively, you can disconnect the iPod, select the desired Artist/Album/Song and the interface will resume playing the selected Artist/Album/Song when it is reconnected to the dock connector. The interface when used with iPod will work best with multiple Playlists. Please do not attempt browsing while the vehicle is in motion.



See page 11 and 12 for details.

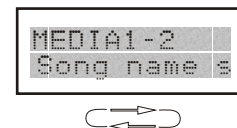




Why is the text not scrolling?



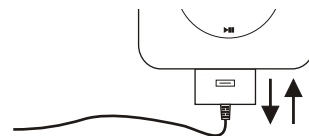
Text scrolling only occurs for longer text strings. Only the first 24 ch. of a max. 240 is displayed in the Artist, Album, Title fields.



Why is the interface not controlling the iPod/USB drive?



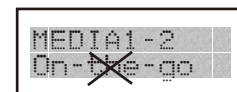
Please make sure that the USB connection is not loose. Make sure that an iPod case is not preventing the dock connector from being fully seated. Disconnect and reconnect the device. If iPod is not responding please try resetting it.



Why are not all Playlists listed when browsing by Playlists?



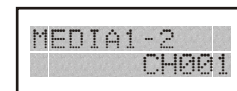
Empty playlists are ignored. The maximum elements within a Playlist is 65000.



Why does the Channel number (CH001) not change or is displayed occasionally?



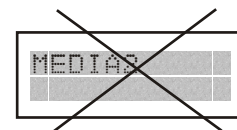
This field is not used by the Media hub and it remains constant. Some radios will show this after changing Category.



Why is Media 2 not available?



This mode is only available if the Media hub is equipped with the optional Bluetooth audio streaming.





I uploaded music files to my flash drive. Why don't they play?



The files must be encoded in the supported format in order to play properly.

Mp3 decoder:

- Supports MPEG audio 1, 2 and 2.5.
- Supports Layer 1, 2 and 3.
- Supports sample rates 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k and 48kHz. (1)
- Supports bit rate 8 to 320 kbps and VBR (Variable Bit Rate). *Except free format.
- Supports ID3TAG V1.0, V1.1, V2.2, V2.3 and V2.4 (Title, Artist, Album information)

WMA decoder:

- Supports Windows Media Audio 9 standard.
- Does not support DRM.
- Supports sample rates 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k and 48kHz. (1)
- Supports bit rate 5 to 320 kbps and VBR (Variable Bit Rate). *Except free format.
- Supports WMA-TAG (Title, Artist, Album information)

AAC decoder:

- Supports MPEG4 AAC-LC encoded by iTunes.
- Does not support DRM.
- Supports sample rates 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k and 48kHz. (1)
- Supports bit rate 5 to 320 kbps and VBR (Variable Bit Rate).
- Supports AAC-TAG (iTunes Meta-data) (Title, Artist, Album information)

(1) all sample rates are converted to 44.1K for playback.



When I connect my USB drive, why is the “UNSUPPORTED” message displayed on the head unit?



iPod models must support USB communication. See p 11. USB flash drives must be properly formatted and contain valid music files. See p 22. Other types of USB devices are not supported.



When I connect my USB drive or change Shuffle/Repeat settings, why is the “SEEK” message displayed on the head unit?



The “SEEK” message is displayed whenever the USB drive content has to be loaded. “SEEK” will show when “SHUF ALL” loads all the song information. Allow ~15 seconds for 2GB of audio but if there are other files and folders on the USB drive, this will increase analysis time.



What is the maximum number of files/folder I can put on my USB drive to be played through the Media hub?



Only the first 1000 files in each folder will be read so any files beyond the first 1000 in a particular folder will be ignored.



How many folders can be played through the Media hub?



Each folder, including the ROOT, may have up to 200 accessible folders. So if you have 205 folders listed in your USB stick's root folder, folders 201-205 will be ignored. Note that once a sub-folder is selected, you can have up to 200 accessible folders within.



What is the ROOT folder?



The main folder on the USB drive is referred to as ROOT. Each directory created is a sub-directory of ROOT. Do not create a folder with name ROOT.



What is the maximum folder depth the Media Hub will analyze for audio files?



The Media hub will analyze content up to 8 folders deep.



Why does music playback not resume from USB flash drive, but does from the iPod?



When the car is off, the Media hub doesn't have any power. While an iPod keeps track of the played content, a USB Flash drive cannot.



What is a good structure to organize content on a USB Flash drive?



For small number of Albums you may want to consider a two level tree structure, where the ROOT directory has folder names representing the Artist. Within the folder representing the artists you may create sub-folders for Albums. The actual music would reside inside the applicable album. To avoid having 100s of Albums in the ROOT folder in case of larger music collection, one can add folders for subdividing. This can be based on the alphabet – such as A through C, B to E, etc, or based on rating, or based on genre. Whatever approach you may choose we recommend that you minimize the number of steps needed to select the desired music. Please see p22-23 for performance and playback order considerations.



How do I verify auto connect for Bluetooth?



First make sure auto connect feature is enabled on the Media hub by going to Media 2 and entering the preset button combination 1-2-3-4-5-6 on the Bluetooth device. Verify that "Subaru" is an authorized device so that the device accepts the connection request from the Media hub. However, not all cell phones and Bluetooth devices support the auto connect feature.



Why is there no song information such as Title, Artist or Song name is displayed on the radio?



Why can't I browse the Bluetooth Music selection through the Media hub?



Why are controls working on one phone while not on another?



Why is the audio very low while playing Bluetooth music?



The Bluetooth Media interface only allows for audio streaming but no song information is displayed.



This feature is available with iPod and USB connections, but not available over the Bluetooth music playback connection.



Due to the great variation in the way cell phones and Bluetooth devices operate using Bluetooth, certain features won't work with every device. You still have full control of track selection, Rewind, and Fast Forward on your device while music is playing through the Bluetooth Media interface.



Make sure to set the volume on the phone to at least 75%. Both the volume on the device and the volume on the radio must be set properly to hear the music. No audio can be heard if the phone is muted.

■ Contact information

Location	Contact
In the Continental US & Alaska	Web: www.subaru.com/MediaHub Email: www.subaru.com/contactus
Canada	Please visit www.subaru.ca
Australia	Please visit www.subaru.au/mediahub
European and other markets	Please contact your local Subaru retailer

■ Defective products/Warranty

Defective product What to do?

If you suspect that you have a defective product:

1. Before returning to your Subaru Dealer, refer to the “Operation tips” section as outlined in this document and perform the checks and solutions listed
2. Make an appointment at a Subaru Dealership to have the system inspected in order to determine if the product is malfunctioning.

Warranty

This product is covered under the terms of the Subaru Limited Warranty for Genuine Accessories. Please refer to the Warranty and Maintenance booklet included with your Owner Information Kit for full details.

■ Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.