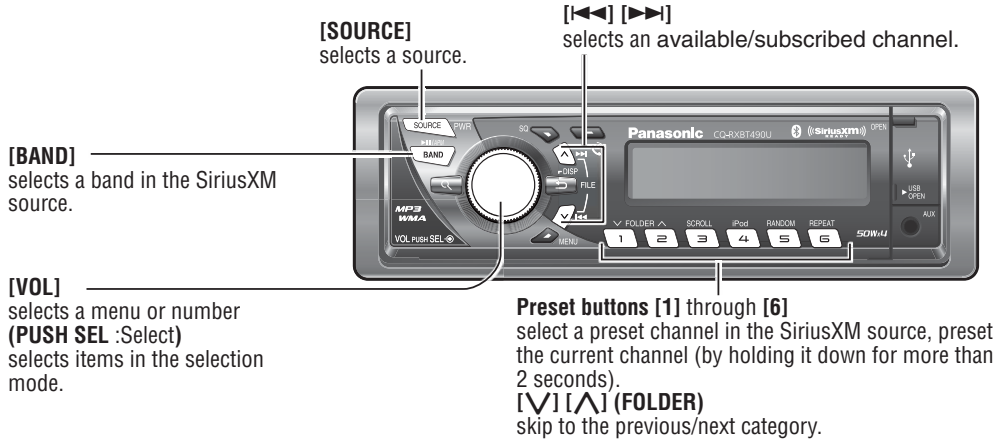


SiriusXM Satellite Radio Control

English



Operation Flow

Connecting SiriusXM Tuner

Connect the optional SiriusXM Connect Vehicle Tuner. Refer to the installation instructions included with the SiriusXM receiver and this unit.

Getting started

A SiriusXM subscription (sold separately) is required to receive programming. You can subscribe by calling SiriusXM listener care or by going on line - see below for details.

- 1 Press **[SOURCE]** to select the SiriusXM mode.
- 2 Check the Radio ID.
 - Write down the Radio ID from your SiriusXM Connect Vehicle Tuner.
 - To show the Radio ID on the display, tune to channel 0. (Refer to "Channel Selection".)

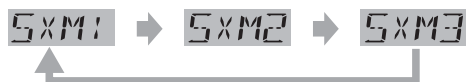


- 2 Activate the SiriusXM Satellite Radio by calling or going on-line:
 - Web site: <http://www.siriusxm.com/subscriptions>
 - Phone number: 1-800-967-2346

Note: The Radio ID does not use the letter I, O, S, or F.

Band selection

Press **[BAND]** to change the band.



Channel selection

[▶▶]: Next available/subscribed channel

[◀◀]: Preceding available/subscribed channel

Hold down for seek forward/reverse.

Note: "CH LOCKD" is displayed if a channel is selected that has been locked by the parental lock setting, follow the procedure next on "Channel unlocking" to unlock the channel.

Channel unlocking (passcode entry)

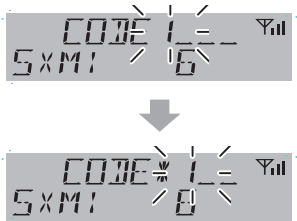
To receive a channel locked by a parental lock, a passcode needs to be entered after tuning to the channel. (Refer to page 39 for parental lock setting.)

- 1 Tune to a channel locked by a parental lock.



- 2 Enter a number for each flashing digit.

Turn **[VOL]** : Selects number 0 to 9.
Push **[VOL]** : Selects next digit to be entered.



A digit where entry is determined is indicated as “*”.

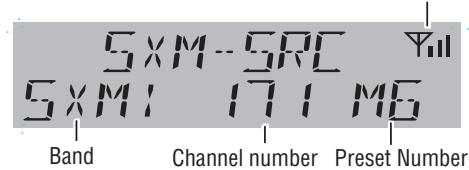
When a 4-digit number code is correctly entered and [VOL] is finally pressed, the all locked channels are unlocked and start to be received. (Once turns ACC ON/OFF, the channels return to previous locked status)

Notes:

- If a wrong number code is entered when selects a locked channel, “WRONG CO” is displayed and returns to Channel 1.
- If 10 seconds elapse before determining the entry of the number code, “TIME OUT” is displayed and returns to previous channel.
- To exit the passcode entry, press [DISP] and returns to previous channel.
- To change the parental lock passcode, refer to page 39 for setting.

SiriusXM Display

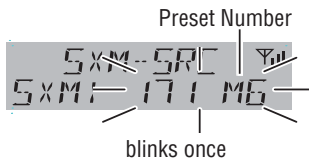
Signal strength indicator
when the optional SiriusXM Connect Vehicle Tuner is connected to this unit.



Channel preset

Up to 6 channels can be preset in SXM1 to SXM3 respectively.

- 1 Use manual or seek tuning to tune into a channel.
- 2 Press and hold one of the preset buttons [1] through [6] until the display blinks once.



Note: New channels overwrite existing saved channel after this procedure.

Preset channel selection

Press the corresponding preset button [1] through [6] to tune in a preset channel.

Selection by category

Category setting

You can toggle the category selection mode ON and OFF every time you press and hold [BAND] for more than 2 seconds. If the category is set to ON, the unit operates as follows for each button:

Notes:

- When category is set to ON, the letter “c” is displayed followed by channel number.
- When category selection mode is active, as indicated by “c”, the preset buttons are disabled. Turn off category selection mode to re-enable the preset buttons.

Category selection

[FOLDER ^]: Next category

[FOLDER v]: Preceding category

Channel selection

[▶▶]: Next available/subscribed channel in current category

[◀◀]: Preceding available/subscribed channel in current category

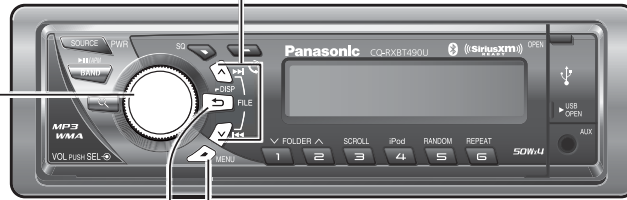
Note: The simulate category of “All Channel” is selectable in category selection.

SiriusXM Satellite Radio Control (continued)

English

[◀▶] [◀▶]
selects an available/subscribed channel.

[VOL]
selects a menu or number
selects a channel to be locked
or unlocked.
(PUSH SEL :Select)
selects items in the selection
mode.

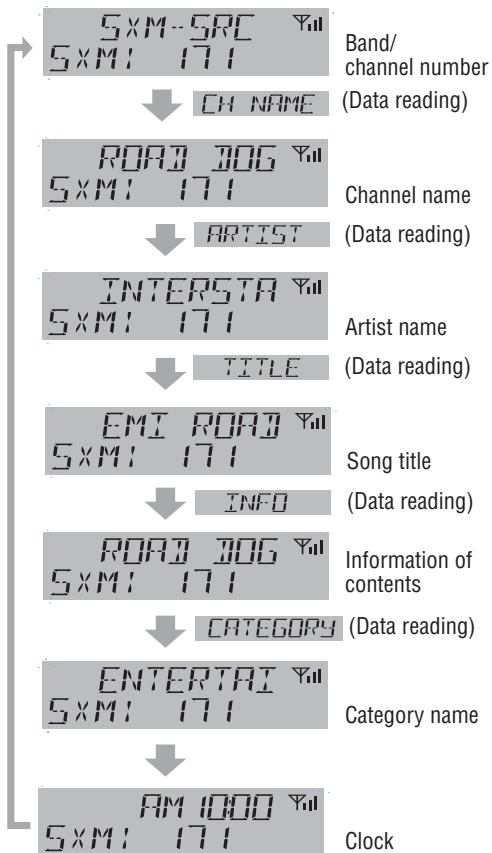


[DISP] (Display)
switches the information
on the display.

[MENU]
selects items in the
SXM menu.

Display change

Press [DISP] (Display) to change the display of different metadata information.



Note: “----” is displayed when there is no information on the selected channel.

Function settings

Channel direct selection mode

A channel can be directly selected.

- 1 Press [MENU].
- 2 Turn [VOL] clockwise or counterclockwise to select MENU “SXM”.
- 3 Press [VOL] (PUSH SEL).
- 4 Turn [VOL] clockwise or counterclockwise to select “D, TUNING”.



- 5 Press [VOL] (PUSH SEL).



- 6 Enter a number for each flashing digit.
Turn [VOL] : Selects number 0 to 9.
Push [VOL] : Selects next digit to be entered.



Note: When next digit is not entered (displayed with “_”), then press [VOL] will end number input and switch to the desired channel directly.

- 7 Press [VOL] (PUSH SEL) when done entering the channel number digits and the radio tunes to the desired channel.

Notes:

- "CH UNAVL" is displayed when the requested channel is not valid. Visit www.siriusxm.com to see the list of channels available.
- "CH UNSUB" is displayed when the requested channel is not part of the current subscription package. Visit www.siriusxm.com for information on subscription packages.

Parental lock setting mode

- 1 Press [MENU].
- 2 Turn [VOL] clockwise or counterclockwise to select MENU "SXM".
- 3 Press [VOL] (PUSH SEL).
- 4 Turn [VOL] clockwise or counterclockwise to select "P-LOCK".



- 5 Press [VOL] (PUSH SEL).
- 6 Enter a number for each flashing digit.
 - Turn [VOL] : Selects number 0 to 9.
 - Push [VOL] : Selects next digit to be entered.



Note: (Default: 1111). If you want to initialize the passcode, press and hold [DISP] for more than 10 seconds while passcode entry, the 4-digit passcode will return to the default.

- 7 Press [▶▶] or [◀◀] to select a channel.
- 8 Turn [VOL] clockwise or counterclockwise to switch a select channel to be locked or unlocked.



Note: Channel 0 (CH 0) and Channel 1 (CH 1) can not be locked.

- 9 When done selecting the locked channels, press [VOL] (PUSH SEL) to exit the function setting.

To change the parental lock passcode:

- 1 Press and hold [VOL] (PUSH SEL) for more than 2 seconds after "Parental lock setting mode steps 1 to 6".



- 2 Enter a number for each flashing digit.
 - Turn [VOL] : Selects number 0 to 9.
 - Push [VOL] : Selects next digit to be entered.
- 3 Repeat step 2 to confirm the new code.

"CODE SET" is displayed for 2 seconds and the new code setting is finished, then returns to channel locked/unlocked setting display.

To set parental lock ON/OFF:

- 1 Press [VOL] (PUSH SEL) to open lock ON/OFF mode after "Parental lock setting mode step 1 to 8".
- 2 Turn [VOL] (PUSH SEL) to switch between lock ON or OFF.



- 3 When done selecting the parental lock ON/OFF setting, press [VOL] (PUSH SEL) to exit the function setting mode.

Anti-Theft System

English

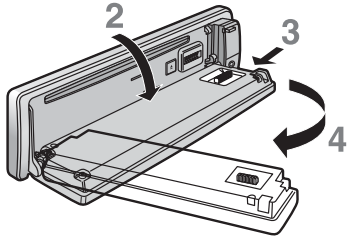
This unit is equipped with a removable face plate. Removing this face plate makes the unit totally inoperable.

Notes:

- Do not touch the contacts on the face plate and the main unit. Failure to observe this may cause poor contact.
- If dirt or other foreign objects deposit on the contacts, wipe them off with a clean and dry cloth.

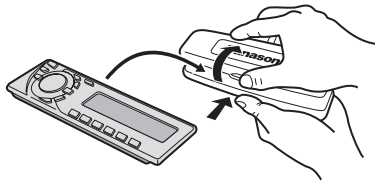
Face Plate Removing

- 1 Turn off the power.
- 2 Press **[OPEN]**. The face plate will be opened.
- 3 Push the face plate to the left.
- 4 Pull it out toward you.



- 5 Put the face plate in the case.

Note: Do not put the face plate other than the direction shown at below figure, since this may result in difficulty when closing the case cover.



Face Plate Mounting

- 1 Fit the face plate with its left hole on the left pin provided on the main unit.
- 2 Fit the other hole on the other pin applying slight pressure.

Face Plate Removal Alarm

This alarm sounds to warn you not to forget to remove the face plate before leaving your car. This function is activated when security alarm is set to ON.

Security Alarm Setting

- 1 Press **[MENU]**.
- 2 Press **[VOL] (PUSH SEL)**, and turn **[VOL]** clockwise or counterclockwise to select "ALARM SET".

MENU
ALARM SET

- 3 Press **[VOL] (PUSH SEL)**, and turn **[VOL]** clockwise or counterclockwise to select.

ALARM
SET OFF

ALARM OFF (default)



ALARM
SET ON

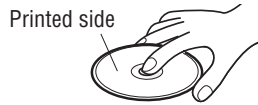
ALARM ON

Note: Once rotary operation is made, the setting is activated.

Notes on Discs

How to hold the disc

- Do not touch the underside of the disc.
- Do not scratch the disc.
- Do not bend disc.
- When not in use, keep disc in the case.



Unusable discs

Do not use discs that fit any of the descriptions given below. Using these discs may damage the discs or cause the unit to malfunction.

- Special discs in a shape which is not round



- Partly or wholly transparent disc



Wholly transparent disc* Partly transparent disc

*Wholly semi-transparent disc may not be played back.

- Discs with adhered labels, etc. on them



Disc with adhered stickers or tape

Labels created by a printer



Protective films or sheets

Disc accessories (stabilizers, etc.)

- Damaged or deformed discs



Shoddily made discs

Discs with cracks, scratches or parts missing



Discs with burrs
Please remove the burrs before use.

Disc insert

The surfaces of new discs tend to be slippery. Therefore, when using such a disc for the first time, it may not load satisfactorily even when it has been inserted into the unit. At a time like this, insert the disc into the unit as far as it will go until it is loaded properly.

- When inserting a disc into or ejecting and removing it from the unit, insert it straight in or eject and remove it straight out in parallel with the unit. Otherwise, the disc may be scratched or marked in the process.
- When inserting a disc, do not put one disc on another. Failure to observe this may cause the discs to be jammed.

Do not leave discs in the following places:

- Direct sunlight
- Near vehicle heaters
- Dirty, dusty and damp areas
- On seats and dashboards

Disc cleaning

Use a dry, soft cloth to wipe from the center outward. Do not attach any seals or labels to your discs. Do not write on the disc label in a heavy pen or ballpoint pen.



<Correct>



<Wrong>

Notes on CD-Rs/RWs

- You may have trouble playing back some CD-R/RW discs recorded on CD recorders (CD-R/RW drives), either due to their recording characteristics or dirt, fingerprints, scratches, etc. on the disc surface.
- CD-R/RW discs are less resistant to high temperatures and high humidity than ordinary music CDs. Leaving them inside a vehicle for extended periods may damage and make playback impossible.
- The unit may not successfully playback a CD-R/RW that was made by the combination of writing software, a CD recorder (CD-R/RW drives) and a disc if they are incompatible with one another.
- This player does not play CD-R/RW discs if the session is not closed.
- Be sure to observe the handling instructions of CD-R/RW discs.
- This player does not play CD-R/RW discs which contain other than CD-DA or MP3/WMA data.

Notes on MP3/WMA

English

Both of MP3 (MPEG Audio Layer-3) and WMA (Windows Media™ Audio) is a format for compressed audio file. These formats allow users to save all the files contained in approximately 10 pieces of existing CDs on one piece of CD-R/RW.

Note: Each of encoding software is not included with this unit.

*MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

Cautions as to compressed audio files

Common

- High bit rate and high sampling frequency are recommended for high quality sounds.
- Selecting VBR (Variable Bit Rate) is not recommended because playing time is not displayed properly and sound may be skipped.
- The playback sound quality differs depending on the encoding circumstances. For details, refer to the user manual of your own encoding software and writing software.
- Be sure to put an extension compatible with the format.

MP3

- It is recommended to set the bit rate to “128 kbps or more” and “fixed”.

WMA

- It is recommended to set the bit rate to “64 kbps or more” and “fixed”.
- Do not set the copy protect attribute on the WMA file to enable this unit to play back.

Compression formats

Compression method	Bit rate	VBR	Sampling frequency
MPEG 1 audio layer 3 (MP3)	32 k – 320 kbps	Yes	32, 44.1, 48 kHz
MPEG 2 audio layer 3 (MP3)	8 k – 160 kbps	Yes	16, 22.05, 24 kHz
MPEG 2.5 audio layer 3 (MP3)	8 k – 160 kbps	Yes	8, 11.025, 12 kHz
Windows Media Audio Ver. 2, 7, 8, 9*	64 k – 160 kbps	Yes	32, 44.1, 48 kHz

* WMA 9 Professional/LossLess/Voice are not supported.



Caution

Never put an extension indicating compressed audio (such as “.mp3” and “.wma”) to files other than compressed audio files. This may not only produce noise from the speaker damage, but also damage your hearing.

Cautions as to the display of this unit

Display Information

- **CD-TEXT**
Disc title
Track title
- **MP3/WMA**
Folder name,
File name
- **MP3 (ID3 tag)**
Album name,
Title name/artist name
- **WMA (WMA tag)**
Album name,
Title name/artist name

- ASCII character set and special characters in each language can be displayed.

ASCII character set

A to Z, digits 0 to 9, and the following symbols:
(space) ! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ { | } ~

Notes:

- Characters may be garbled depending on encoding software to be used.
- Undisplayable characters and symbols will be converted into an asterisk (*).

Displayable characters

- Displayable length of file name/folder name: within 64 characters. (Unicoded file and folder names are reduced by half in the number of displayable characters.)
- Name files and folders in accordance with the standard of each file system. Refer to the instructions of writing software for details.

Recording MP3/WMA Files on a CD-Media/USB-Device

Compressed audio file writing

- Do not save an audio file (CD-DA file) and a compressed audio file on the same disc. Failure to observe this may result in difficulty in playing.
- If compressed audio files formatted with two or more types are saved on the same disc, each format shall have a different folder.
- Do not write files other than compressed audio files.
- Playability may depend on the combination of writing software and disc writer to be used.
- This unit does not support the play list function.
- Write files in a disc-at-once manner unless otherwise needed.
- You can shorten the duration between data read and playback by decreasing the quantity of files or folders, or the depth of the hierarchy.

Supported file systems

■ CD-media

ISO 9660 Level 1/Level 2, Apple Extension to ISO 9660, Joliet, Romeo

Note: Apple HFS, UDF 1.50, Mix CD and CD Extra are not supported.

■ USB-device

File system is FAT12/16/32.

Maximum number of files/folders

- Maximum depth of trees: 8
- Maximum number of files
 - CD-media: 512
 - USB device: 65 535
- Maximum number of files in one folder
 - CD-media: 512
 - USB device: 999
- Maximum number of folders:
 - CD-media: 128 (Root folder is included.)
 - USB device: 256 (Root folder is included.)

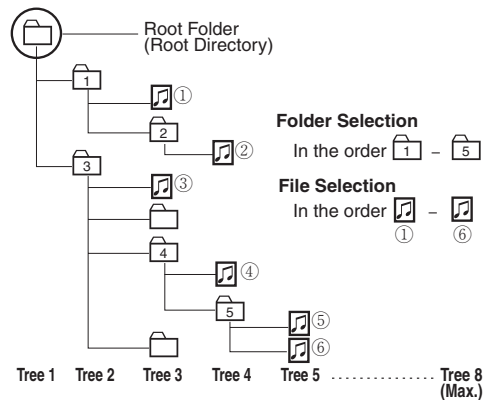
Notes:

- You can shorten the duration between data read and playback by decreasing the quantity of files or folders, or the depth of the hierarchy.
- This unit counts the number of folders irrespective of the presence or absence of an MP3/WMA file.
- If the selected folder does not contain any MP3/WMA files, the nearest MP3/WMA files in the order of playback will be played.
- Playback order may be different from other MP3/WMA players even if the same disc is used.

- “ROOT” appears when displaying the root folder name.
- Empty folders stored on the USB memory are not included in the folder count.
- Depending on the connected USB memory, the order in which the files are played back may differ to the order in which the files were stored.

Folder selection order/file playback order

■ CD-media/USB-device



Copyright

It is prohibited by copyright laws to copy, distribute and deliver copyrighted materials such as music without the approval of copyright holder except enjoying yourself personally.

No warranty

Above description complies with our investigations as of August 2011. It has no warranty for reproducibility and displayability of MP3/WMA.

Troubleshooting

English

If You Suspect Something Wrong

Check and take steps as described below. If the described suggestions do not solve the problem, it is recommended to take the unit to your nearest authorized Panasonic Servicenter. The product should be serviced only by qualified personnel. Please refer the checking and the repair to professionals. Panasonic shall not be liable for any accidents arising out of neglect of checking the unit or your own repair after your checking.

Never take measures especially those other than indicated by *italic* letters in "Possible Solution" described below because those are too dangerous for users to handle themselves.



Warning

- Do not use the unit in an irregular condition, for example, without sound, or with smoke or a foul smell, which can cause ignition or electric shock. Immediately stop using the unit and consult your dealer.
- Never try to repair the unit by yourself because it is dangerous to do so.

Trouble	Possible Solution
Common	
No power	<ul style="list-style-type: none"> • <i>Start the engine. (Alternatively, turn the ignition switch to the ACC position.)</i> • Verify the wiring. (Battery lead, power lead, ground lead, etc.) • <i>Fuse blown (Consult your dealer or an authorized Panasonic Servicenter.)</i> • <i>Ask a professional for fuse replacement.</i> • Be sure to use the same rated fuse.
No sound	<ul style="list-style-type: none"> • <i>Disable the mute function.</i> • Verify the wiring. • <i>Wait until the dew disappears before turning on the unit.</i>
Noise	<ul style="list-style-type: none"> • Make sure that grounding is established properly.
No sound from left, right, front, or rear speaker	<ul style="list-style-type: none"> • <i>Adjust the balance and fader.</i> • Verify the wiring.
Left and right sounds are reversed	<ul style="list-style-type: none"> • Connect the speaker lead correctly.
Disc Player	
No sound, or disc is automatically ejected.	<ul style="list-style-type: none"> • <i>Load the disc correctly.</i> • <i>Clean the disc.</i>
Sound skip, poor sound quality	<ul style="list-style-type: none"> • <i>Clean the disc.</i>
Sound skip due to vibration	<ul style="list-style-type: none"> • The maximum permissible tilt angle is 30°. • Secure the unit.
Disc not ejectable	<ul style="list-style-type: none"> • <i>Press [▲]. If the disc is still not ejected, consult your dealer or an authorized Panasonic Servicenter.</i>
Radio	
Frequent noise	<ul style="list-style-type: none"> • <i>Tune in to another station of high-intensity waves.</i> • Make sure that the antenna mounted point is grounded properly.
Preset data deleted	<ul style="list-style-type: none"> • <i>The preset memory is cleared to return to the original factory setting when the power connector or battery is disconnected.</i>

Trouble	Possible Solution
USB (MP3/WMA)	
Music is not played back even if a USB device is connected.	<ul style="list-style-type: none"> ● Connect the USB device and USB extension cable correctly. ● Check if there is any music data that can be played stored on the USB device. ● Use a USB device with a FAT12/16/32 file system. ● Use a USB device with a current consumption lower than 1 A.
“READING” is displayed but music is not played back.	<ul style="list-style-type: none"> ● Do not use a USB Hub. ● When the USB device contains a number of folders/files, a long time may be taken to read all the files.
Bluetooth®	
Unable to register, connect, or call.	Devices incompatible with HFP (Hands-Free Profile) cannot be used. <ul style="list-style-type: none"> ● Use devices compatible with HFP (Hands-Free Profile).
	The mobile phone is not registered on this product. <ul style="list-style-type: none"> ● Connecting and calling with an unregistered mobile phone is not possible. Register the mobile phone on this product.
	The mobile phone is not connected. <ul style="list-style-type: none"> ● Calling is not possible if the mobile phone is not connected to this product. Connect the mobile phone to this product.
	The Bluetooth® device can not pair/register with this unit successfully. <ul style="list-style-type: none"> ● Check the device Bluetooth® setting is set to ON. ● Delete the paired memory within Bluetooth® device and main unit, then pair again. ● Switch OFF and ON with device Bluetooth® function, then pair again. ● Check the device PIN code, then input the correct PIN code for connection.
	This unit and Bluetooth® device are too far apart. <ul style="list-style-type: none"> ● Bring this unit and Bluetooth® device closer together and try to pair again.
The other party in the call complains of echoing or noise.	The voice of the other party heard from the car speakers is being picked up by the microphone and returned to the other party. <ul style="list-style-type: none"> ● Close the windows. ● Move the microphone away from the car speakers. ● Lower the volume.
Phone voice is of poor quality. Phone voice is inaudible.	Mobile phone reception is poor. <ul style="list-style-type: none"> ● Check mobile phone reception.
Bluetooth® audio does not work.	The Bluetooth® audio-compliant device does not support A2DP/AVRCP. <ul style="list-style-type: none"> ● Check the instruction manual of the Bluetooth® audio-compliant device for support conditions.
	Some mobile phones can not play music via Bluetooth® if mobile phone is not in the music player mode. <ul style="list-style-type: none"> ● Operate mobile phone, select the music player mode, then press PLAY to play the desired music file via Bluetooth® communication.