

Panasonic®



(CQ-RXBT490W)



WMA MP3 CD Player/Receiver

Model: **CQ-RXBT490W**

WMA MP3 Player/Receiver

Model: **CR-LXBT490W**

Operating Instructions



WMA

MP3

(only for CQ-RXBT490W)

- Please read these instructions carefully before using this product and keep this manual for future reference.

Safety Information

- Read the operating instructions for the unit and all other components of your car audio system carefully before using the system. They contain instructions about how to use the system in a safe and effective manner. Panasonic assumes no responsibility for any problems resulting from failure to observe the instructions given in this manual.



Warning

This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in severe injury or death.



Caution

This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in injury or material damage.



Warning

Observe the following warnings when using this unit.

- ❑ **The driver should neither watch the display nor operate the system while driving.**
Watching the display or operating the system will distract the driver from looking ahead of the vehicle and can cause accidents.
Always stop the vehicle in a safe location and use the parking brake before watching the display or operating the system.
- ❑ **Use the proper power supply.**
This product is designed for operation with a negative grounded 12 V DC battery system. Never operate this product with other battery systems, especially a 24 V DC battery system.
- ❑ **Keep batteries and insulation film out of reach of infants.**
Batteries and insulation film can be ingested, so keep them out of the reach of infants. If an infant ingests a battery or insulation film, please seek immediate medical attention.
- ❑ **Protect the Deck Mechanism.**
Do not insert any foreign objects into the slot of this unit.
- ❑ **Do not disassemble or modify the unit.**
Do not disassemble, modify the unit or attempt to repair the product yourself. If the product needs to be repaired, consult your dealer or an authorized Panasonic Service Centre.
- ❑ **Do not use the unit when it is out of order.**
If the unit is out of order (no power, no sound) or in an abnormal state (has foreign objects in it, is exposed to water, is smoking, or smells), turn it off immediately and consult your dealer or an authorized Panasonic Service Centre.
- ❑ **The remote control unit should not lie about in the car.**
If the remote control unit lies about, it could fall on the floor while driving, get wedged under the brake pedal, and lead to a traffic accident.
- ❑ **Refer fuse replacement to qualified service personnel.**
When the fuse blows out, eliminate the cause and have it replaced with the fuse prescribed for this unit by a qualified service engineer. Incorrect replacement of the fuse may lead to smoke, fire, and damage to the product.

Observe the following warnings when installing.

- ❑ **Disconnect the lead from the negative (–) battery terminal before installation.**
Wiring and installation with the negative (–) battery terminal connected may cause electrical shock and injury due to a short circuit. Some cars equipped with the electrical safety system have specific procedures of battery terminal disconnection.
FAILURE TO FOLLOW THE PROCEDURE MAY LEAD TO THE UNINTENDED ACTIVATION OF THE ELECTRICAL SAFETY SYSTEM RESULTING IN DAMAGE TO THE VEHICLE AND PERSONAL INJURY OR DEATH.
- ❑ **Never use safety-related components for installation, grounding, and other such functions.**
Do not use safety-related vehicle components (fuel tank, brake, suspension, steering wheel, pedals, airbag, etc.) for wiring or fixing the product or its accessories.
- ❑ **Installing the product on the air bag cover or in a location where it interferes with airbag operation is prohibited.**
- ❑ **Check for piping, gasoline tank, electric wiring, and other items before installing the product.**
If you need to open a hole in the vehicle chassis to attach or wire the product, first check where the wire harness, gasoline tank, and electric wiring are located. Then open the hole from outside if possible.
- ❑ **Never install the product in a location where it interferes with your field of vision.**
- ❑ **Never have the power cord branched to supply other equipment with power.**
- ❑ **After installation and wiring, you should check the normal operation of other electrical equipment.**
The continuation of their using in abnormal conditions may cause fire, electrical shock or a traffic accident.
- ❑ **In the case of installation to an airbag-equipping car, confirm warnings and cautions of the vehicle manufacturer before installation.**
- ❑ **Make sure the leads do not interfere with driving or getting in and out of the vehicle.**
- ❑ **Insulate all exposed wires to prevent short circuiting.**
- ❑ **Keep accessories out of reach of infants.**
Accessories can be ingested, so keep them out of the reach of infants. If an infant ingests accessories, please seek immediate medical attention.

Caution

Observe the following cautions when using this unit.

- ❑ **Keep the sound volume at an appropriate level.**
Keep the volume level low enough to be aware of road and traffic conditions while driving.
- ❑ **This unit is designed for use exclusively in automobiles.**
- ❑ **Do not operate the unit for a prolonged period with the engine turned off.**
Operating the audio system for a long period of time with the engine turned off will drain the battery.
- ❑ **Do not expose the unit to direct sunlight or excessive heat.**
Otherwise these will raise the interior temperature of the unit, and it may lead to smoke, fire, or other damage to the unit.
- ❑ **Do not use the product where it is exposed to water, moisture, or dust.**
Exposure of the unit to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. Make especially sure that the unit does not get wet in car washes or on rainy days.
- ❑ **Set the volume level to low enough before the AUX connection is completed.**
Failure to observe this, the loud noise may come out and damage your speakers and your hearing. Direct connection of the speaker/headphone output of an external device without any attenuator may distort sound or damage the connected external device.

Observe the following cautions when installing.

- ❑ **Refer wiring and installation to qualified service personnel.**
Installation of this unit requires special skills and experience. For maximum safety, have it installed by your dealer. Panasonic is not liable for any problems resulting from your own installation of the unit.
- ❑ **Follow the instructions to install and wire the product.**
Not following the instructions to properly install and wire the product could cause an accident or fire.
- ❑ **Take care not to damage the leads.**
When wiring, take care not to damage the leads. Prevent them from getting caught in the vehicle chassis, screws, and moving parts such as seat rails. Do not scratch, pull, bend or twist the leads. Do not run them near heat sources or place heavy objects on them. If leads must be run over sharp metal edges, protect the leads by winding them with vinyl tape or similar protection.
- ❑ **Use the designated parts and tools for installation.**
Use the supplied or designated parts and appropriate tools to install the product. The use of parts other than those supplied or designated may result in internal damage to the unit. Faulty installation may lead to an accident, a malfunction or fire.
- ❑ **Do not block the air vent or the cooling plate of the unit.**
Blocking these parts will cause the interior of the unit to overheat and will result in fire or other damage.
- ❑ **Do not install the product where it is exposed to strong vibrations or is unstable.**
Avoid slanted or strongly curved surfaces for installation. If the installation is not stable, the unit may fall down while driving and this can lead to an accident or injury.

❑ **Installation Angle**

The product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

The user should bear in mind that in some areas there may be restrictions on how and where this unit must be installed. Consult your dealer for further details.

- ❑ **Wear gloves for safety. Make sure that wiring is completed before installation.**
- ❑ **To prevent damage to the unit, do not connect the power connector until the whole wiring is completed.**
- ❑ **Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter)**

Observe the following cautions when handling the battery for the remote control unit.

- Use only specified battery (CR2025).
- Match the polarity of the battery with the (+) and (-) marks in the battery case.
- Replace a dead battery as soon as possible.
- Remove the battery from the remote control unit when not using it for an extended period of time.
- Insulate the battery (by placing them in a plastic bag or covering them with vinyl tape) before disposal or storage.
- Dispose of the battery according to the local regulations.
- Do not disassemble, recharge, heat or short the battery. Do not throw a battery into a fire or water.

In case of battery leakage

- Thoroughly wipe the battery liquid off the battery case and insert new battery.
- If any part of your body or clothing comes into contact with battery liquid, wash it with plenty of water.
- If battery liquid comes into contact with your eyes, wash them with plenty of water and get immediate medical attention.

Observe the following cautions when using iPod® device/iPhone® model or USB device.

- Do not connect a USB device directly to this unit. If the USB device is connected directly to this unit and an accident occurs, or if the brakes are applied suddenly, the driver or passenger may bump into the USB device and may get injured.
- Position the iPod device/iPhone model/USB device and USB extension cable so that they do not obstruct your driving.
- Do not connect any device other than iPod device/iPhone model/USB memory or a USB audio player. Do not connect multiple USB devices to the USB connector. Drawing power for multiple USB devices from the connector could cause overheating and smoking.

Safety Information (continued)



Caution (only for CQ-RXBT490W)

THIS PRODUCT IS A CLASS I LASER PRODUCT.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

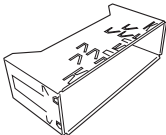
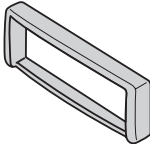
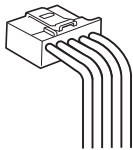


DO NOT OPEN COVERS AND DO NOT REPAIR BY YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.


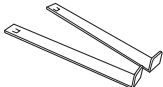

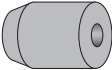


Before Reading These Instructions

Panasonic welcomes you to our constantly growing family of electronic products owners.

We endeavour to give you the advantages of precise electronic and mechanical engineering, manufactured with carefully selected components, and assembled by people who are proud of the reputation their work has built for our company. We know this product will bring you many hours of enjoyment, and after you discover the quality, value and reliability we have built into it, you too will be proud to be a member of our family.

Accessories

				
Mounting Collar	Trim Plate	Power Connector	Remote Control Unit (a battery included)	Removable Face Plate Case
Quantity: 1	Quantity: 1	Quantity: 1	Quantity: 1	Quantity: 1
(FX0214C384ZB)	(7221 01 10)	(YAJ024C144ZA)	(YFX994C186CA)	(YFC054C104ZA)

					
Microphone with Bracket (5 m)	Lock Cancel Plate	Mounting Bolt (5 mm ø)	Rubber Bushing	Operating Instructions	Installation Instructions
Quantity: 1	Installation kit			Instruction kit	
	Quantity: 1 set			Quantity: 1	Quantity: 1
(LOFBBB000005)	(ZZBISCP137U)			(YFM264C265ZA)	(YFM294C186ZA)

Notes:

- The number in parentheses underneath each accessory part name is the part number for maintenance and service.
- Accessories and their part numbers are subject to modification without prior notice due to improvements.
- Mounting Collar and Trim Plate are mounted on the main unit at shipment.

Before Reading These Instructions (continued)

This operating instruction manual is for 2 models CQ-RXBT490W and CR-LXBT490W.

The difference among these models' are mentioned below.

All screens and main body illustrations in this book represent CQ-RXBT490W unless otherwise specified.

Differences Among 2 Models

Models	CQ-RXBT490W	CR-LXBT490W
Features		
Disc Player	Yes	No

Connectable devices

Compatible USB devices

● USB Mass Storage Class

For details as to whether your USB memory/USB Audio is compatible with USB Mass Storage Class, please contact the USB memory/USB Audio manufacturer.

We do not guarantee all of the USB devices sold on market are compatible with this unit, please contact the USB device manufacturer when such USB device compatible problem occurs.

● USB Standard Compatibility 1.1/2.0 Full Speed

● File System FAT12/16/32

● Maximum current less than 1 A

● Capacity less than 32 GB (1 partition) is recommended.

Compatible with iPod devices/software version (USB connector)

This unit is capable of controlling and playing music for iPod. (video playback is not feasible)

Made for.

- iPod touch (4th generation)/ver. 5.0.1
- iPod touch (3rd generation)/ver. 5.0.1
- iPod touch (2nd generation)/ver. 4.2.1
- iPod touch (1st generation)/ver. 3.1.3
- iPod classic (160 GB only)/ver. 2.0.4
- iPod classic (120 GB only)/ver. 2.0.1
- iPod classic/ver. 1.1.2
- iPod with video/ver. 1.3
- iPod nano (6th generation)/ver. 1.2
- iPod nano (5th generation)/ver. 1.0.2
- iPod nano (4th generation)/ver. 1.0.4
- iPod nano (3rd generation)/ver. 1.1.3
- iPod nano (2nd generation)/ver. 1.1.3
- iPod nano (1st generation)/ver. 1.3.1

Made for.

- iPhone 4S/ver. 5.0.1
- iPhone 4/ver. 5.0.1
- iPhone 3GS/ver. 5.0.1
- iPhone 3G/ver. 4.2.1
- iPhone/ver. 3.1.3

* Operation check has been completed with software available at the end of December, 2011. We do not guarantee the operation with our future products or upgraded software.

Contents

Safety Information	2	Bluetooth® - General	24
Before Reading These Instructions	4	Bluetooth® - Hands-Free Phone	28
Contents	6	Bluetooth® - Music Player	32
Features	6	Notes on Bluetooth®	33
Remote Control Unit.....	7	Anti-Theft System	34
Preparation	8	Notes on Discs	
General	9	(only for CQ-RXBT490W)	35
Audio Settings	11	Notes on MP3/WMA	36
Radio (AM/FM)	13	Troubleshooting	38
Disc Player (only for CQ-RXBT490W)..	14	Maintenance/Fuse	43
USB (MP3/WMA)	17	Specifications	44
For use with iPod	21	Appendix	45

Features

File search function

A file in a USB device can be searched for as if folders in a PC are opened in order.

Front AUX terminal

Your mobile audio player and other devices are connectable to this unit without any difficulty.

Sound control

SQ (Sound Quality)
You have 6 preset modes (FLAT, ROCK, POP, VOCAL, JAZZ, CLUB). You can customize your setting for these (except FLAT) and save them for instant recall.

SQ3 (3-Band Sound Quality)

Centre frequency and level are adjustable in each of 3 bands. This lets you fine-tune sound quality for each genre to suit car-interior acoustics and your personal preferences. (➡ page 11)

USB connector

The USB connector is equipped on the front panel. By connecting a USB memory (not included) to the USB connector via a USB extension cable (USB 2.0, not included), you can enjoy MP3/WMA files stored on the USB memory (not included) in your vehicle. By connecting for iPod devices/iPhone models to USB connector via a USB extension cable for iPod devices and iPhone models (USB 2.0, not included), you can enjoy music files stored on the compatible with iPod devices and iPhone models in your vehicle. Further information about the compatible with iPod devices and iPhone models is described on page 5.

*iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. iPad is a trademark of Apple Inc.

“Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

Bluetooth®

This feature allows users to use a hands-free phone and Bluetooth® audio systems.

Compatible Bluetooth® devices

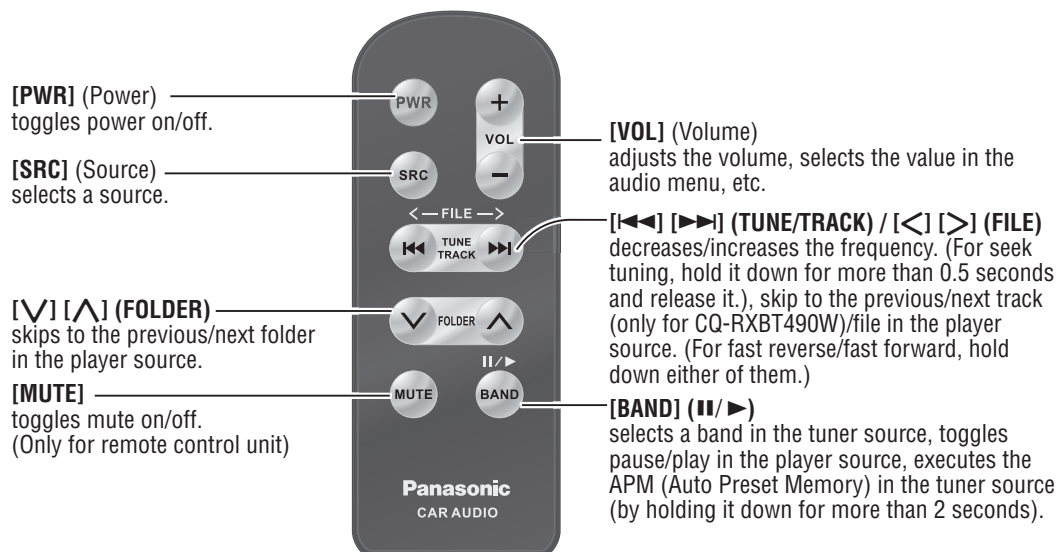
- Bluetooth® Version: 2.1+EDR
- HFP1.5 (Hands-Free Profile)
- OPP (Object Push Profile)
- A2DP (Advanced Audio Distribution Profile) v 1.2
- AVRCP1.0 (Audio/Video Remote Control Profile)
- HSP v 1.1 (Headset Profile)

For compatible Bluetooth® device information with this unit, please refer to page 45.

Remote Control Unit

Notes:

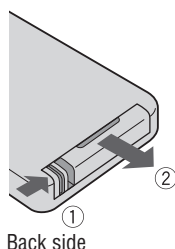
- This instruction manual explains operations for use with the buttons on the main unit. (Different operations excluded)
- When using the remote control unit, aim the remote control unit at the remote sensor and operate it.



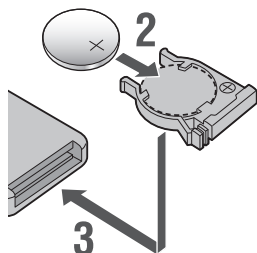
Battery replacement

- 1 Remove the battery holder from the remote control unit placed on a flat surface.

- ① Stick your thumbnail into the groove, and push the holder in the direction of the arrow.
- ② Pull it out in the direction of the arrow using your thumbnail and another finger.



- 2 Insert a battery in the case with (+) side facing up.
- 3 Put the case back.



Warning

Keep batteries and insulation film out of reach of infants.

Batteries and insulation film can be ingested, so keep them out of the reach of infants. If an infant ingests a battery or insulation film, please seek immediate medical attention.

Caution

- Remove and dispose of the discharged battery immediately.
- Do not disassemble, heat or short a battery. Do not throw a battery into a fire or water.
- Follow local regulations when disposing of a battery.
- Improper use of batteries may cause overheating, an explosion or ignition, resulting in injury or a fire.

Notes: Battery Information:

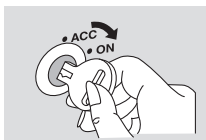
Battery Type: Lithium battery (CR2025) (Included in the remote control unit)

Battery Life: Approximately 6 months under normal use (at room temperature)

Preparation

First Time Power On

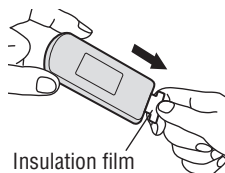
1 Set your car's ignition switch to the ACC or ON position.



2 Press **[SOURCE] (PWR)**.

Battery Installation

Pull the insulation film out from the backside of the remote control unit gently.



Note: Battery Information:

Battery Type: Lithium battery (CR2025) (Included in the remote control unit)

Battery Life: Approximately 6 months under normal use (at room temperature)

Clock Setting

1 Press **[MENU]**.

MENU
OTHER

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

MENU
CLOCK SET

3 Press **[VOL] (PUSH SEL)**, and turn **[VOL]** clockwise (①) or counterclockwise (②) to adjust.

CLOCK 000

Hour blinks.

4 Adjust the hour.

CLOCK 1000

Hour entered

- ① : sets the hour ahead.
- ② : sets the hour back.

5 Press **[VOL] (PUSH SEL)**.

CLOCK 1000

Minute blinks.

6 Adjust the minute.

CLOCK 1015

Minute entered

- ① : sets the minute ahead.
- ② : sets the minute back.

7 Press **[VOL] (PUSH SEL)**.

CLOCK 1015
FM1 87.50

Completed

Notes:

- "CLK ADJUST" is displayed when the clock is not adjusted.
- When you want to readjust the clock, repeat steps 1 to 7.

Clock Display at Power Off

Press **[DISP]** to change the display.

CLOCK 1015

Display off



CLOCK 1015
CLK TIME

Clock display
(Default)

Clock Display Setting

1 Press **[MENU]**.

2 Press **[VOL] (PUSH SEL)**, select "CLOCK SEL".

MENU
CLOCK SEL

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

CLOCK
SET 24HR

the 24-hour system
used (default)



CLOCK
SET 12HR

the 12-hour system
used

Notes:

- The clock display setting (12-hour/24-hour) is activated once the rotary selection is made, the clock display is corresponded to your setting after exiting the clock display setting mode.
- Selection of the 12-hour system displays "AM" during AM hours and "PM" during PM hours.
- To exit from the clock display setting, press **[DISP]**.



Caution

Set the volume level to low enough before the AUX connection is completed.

Failure to observe this may generate loud noise and accordingly damage your speakers and your hearing.

[SOURCE]
selects a source.
[PWR] (Power)
toggles power on/off.

[VOL] (Volume)

Remote Control Sensor

[MENU]
selects items in the
other menu.

AUX Connector (3.5 mm ø stereo)
From line output of external sound/audio device
(ex. Silicon audio player, HDD player, etc.)



Power On/Off

Set your car's ignition switch to the ACC or ON position.

Power on: Press **[SOURCE]** (**PWR**).

WELCOME

Power off: Hold down **[SOURCE]** (**PWR**) for more than 1 second.

Source Selection

Press **[SOURCE]** to change the source.

RADIO

Radio (⇒ page 13)



DECK-SRC

Disc player
(only for CQ-RXBT490W)
(⇒ page 14)



USB-SRC

USB (⇒ page 17)



AUX-SRC

AUX

The sound of connected audio device can be output from car speakers.



BLUETOOTH

Bluetooth®
(⇒ page 24)



(Return to "RADIO")

Volume Adjustment

(Setting Range: 0 to 40, Default: 18)

Turn **[VOL]** clockwise to increase the volume, and counterclockwise to decrease the volume.

SPEAKER
VOL 18

Volume level (0 to 40)
(default: 18)

General (continued)

Display Colour Selection

1 Press [MENU].

MENU
OTHER

2 Press [VOL] (PUSH SEL), and turn [VOL] clockwise or counterclockwise to select "LIGHT SET".

MENU
LIGHT SET

Display colour selection

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

LIGHT
SET OCEAN

OCEAN (aqua blue)



Variety: OCEAN (aqua blue), SKY (sky blue), FOREST (green), ORANGE (amber), FIRE (red), PINK (deep pink), ROSE (pink), STORM (7 colours)
Default: ORANGE (amber)



LIGHT
SET STORM

STORM (7 colours)

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

Menu Operation

Press [MENU].

MENU
OTHER

Press [VOL]
(PUSH SEL).

Press [↵] (Return).



Turn [VOL] clockwise or counterclockwise.

MENU
PHONE

Note: This "PHONE" mode is selectable only when switch to Bluetooth® mode.

Press [VOL]
(PUSH SEL).

Press [↵] (Return).

MENU
CLOCK SEL

→ Page 8

MENU
CLOCK SET

→ Page 8

MENU
LIGHT SET

→ Page 10

MENU
ALARM SET

→ Page 34

B/T MENU
HISTORY

→ Page 29

Note: This history mode is selectable only when a device is paired and connected to this unit.

B/T MENU
AUTO-ANS

→ Page 28

B/T MENU
PINCODE

→ Page 25

B/T MENU
DEV/ INFO

→ Page 30

Audio Settings

[VOL]

selects a value in the audio menu.

(PUSH SEL)

Selects items in the audio menu.

[BAND]

selects a band in the SQ setting mode.

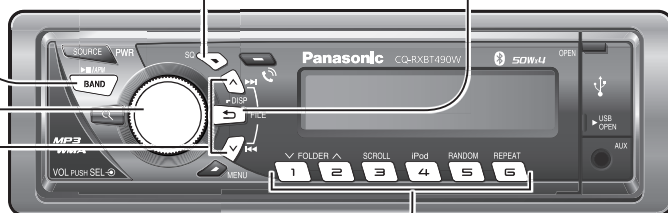
[DISP] (Display)

exits from the audio menu.

[SQ] (Sound Quality)

[V][A]

adjust the sound level in the SQ setting mode.



Preset buttons [1] through [6]

select a SQ setting in the SQ selection mode or preset the current SQ adjustment in the SQ adjustment mode (by holding down one of the buttons for more than 2 seconds).

1 Press [VOL] (PUSH SEL) to open the audio menu.

Note: If no operation takes place for more than 5 seconds in audio setting, the display returns to the regular mode.

2 Turn [VOL] clockwise or counterclockwise to select a mode, and the press [VOL] to be adjusted.

AUDIO
SPEAKER-VOL Volume

(Setting Range: 0 to 40, Default: 18)

3 Turn [VOL] clockwise (①) or counterclockwise (②) to adjust.

SPEAKER
VOL 18

① / ② : Adjustment

AUDIO
BASS Bass

(Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)

BASS
BAS+ 6dB

① / ② : Adjustment

AUDIO
TREBLE Treble

(Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)

TREBLE
TRE+ 6dB

① / ② : Adjustment

AUDIO
SQ SET SQ Adjustment

(Tone/SQ adjustable range : -12 dB to +12 dB (by 2 dB))

Setting range:

SQ Low/Bass: ±12 dB (at 60 Hz, 80 Hz, 100 Hz, 200 Hz)

SQ Mid: ±12 dB (at 500 Hz, 1 kHz, 2 kHz, 3 kHz)

SQ High/Treble: ±12 dB (at 10 kHz, 12 kHz, 15 kHz, 18 kHz)

LOW FREQ Band
60HZ - 6dB Level

Frequency

① Adjust each band.

① / ② : centre frequency up/down

[BAND] : Band selection

[V][A] : Level down/up

② Hold down the numeric button [2] through [6] for more than 2 seconds, and the setting value is written into the desired SQ.

Note: Only SQ presetting value cannot be saved in [1] button.

AUDIO
BALANCE Balance

(Setting Range: 15 levels each, Default: CNT (centre))

BALANCE
BAL L 15

① / ② : Adjustment

Audio Settings (continued)

AUDIO
FADER

Fader

(Setting Range: 15 levels each, Default: CNT (centre))

FADER
FAD F15

① / ② : Adjustment

AUDIO
SUBWOOFER

Subwoofer Setting

(Selectable setting: SET ON/SET OFF, default: OFF)

The PRE-OUT(REAR) of this unit can be set to subwoofer output when using a subwoofer. Set to ON enables subwoofer output.

Note: This setting is only available for PRE-OUT(REAR) output.

SUB-W
SET ON

① / ② : Selection

AUDIO
SUBW-FREQ

Subwoofer Frequency Adjustment

(Setting range: 55 Hz, 85 Hz, 120 Hz, 160 Hz), Default: 120 Hz.

Note: This function is selectable when "Subwoofer Setting" is set to ON.

SUB-FREQ
85HZ

① / ② : Adjustment

AUDIO
SUBW-GAIN

Subwoofer Gain Adjustment

(Setting range: 0 dB to +6 dB by 2 dB, Default: 0 dB)

Notes:

- This function is selectable when "Subwoofer Setting" is set to ON.
- The gain setting is effective when volume level is below 25. (when volume level from 26 to 40, the gain setting is ineffective.)

SUB-GAIN
+6 dB

① / ② : Adjustment

Notes:

- The volume can also be adjusted directly using [VOL] on the main unit. (→ page 9)
- Do not activate SQ and Bass/Treble at the same time to avoid causing sound distortion.
- If the fader is set to front, the pre-amp. output (rear) is decreased.

SQ Selection

You have 6 preset modes (FLAT, ROCK, POP, VOCAL, JAZZ, CLUB). You can customize your settings for these (except FLAT) and save them for instant recall.

Press [SQ] to select the sound type as follows.

SQ SEL
SQ-FLAT M1 FLAT

- ↓ Flat frequency response: does not emphasize any part. (Default)

SQ SEL
SQ-ROCK M2 ROCK

- ↓ Speedy and heavy sound: exaggerates bass and treble.

SQ SEL
SQ-POP M3 POP

- ↓ Wide-ranged and deep sound: slightly emphasizes bass and treble.

SQ SEL
SQ-VOCAL M4 VOCAL

Clear sound: emphasizes middle tone and slightly emphasizes treble.

SQ SEL
SQ-JAZZ M5 JAZZ

- ↓ Jazz-specific deep sound: sound with emphasis on sharpness of high hat and echo saxophone

SQ SEL
SQ-CLUB M6 CLUB

- ↓ Club and disco-specific sound: reproduction of realism being in a club.

(Return to "FLAT")

Notes:

- After pressing [SQ] on the main unit, you can also select a sound type by pressing the preset buttons [1] to [6].
- To return an adjusted SQ to the default setting, select the SQ which to be returned to the default setting, then hold down [BAND] for more than 2 seconds.

Radio (AM/FM)



Caution

To ensure safety, never attempt to preset stations while you are driving.

[SOURCE]

selects a source.

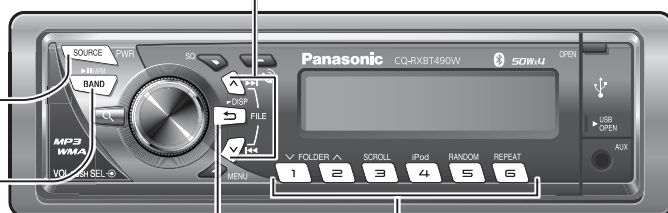
[BAND]

selects a band in the radio source.

(APM) (Auto Preset Memory) executes APM in the radio source (by holding it down for more than 2 seconds).

[◀◀] [▶▶]

decreases/increases the frequency. (For seek tuning, hold it down for more than 0.5 seconds and release it.)



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

Preset buttons [1] through [6] select a preset station in the radio source, preset the current station (by holding it down for more than 2 seconds).

Operation Flow

1 Press **[SOURCE]** to select the radio source.

2 Press **[BAND]** to select a band.



3 Select a station.

Frequency Adjustment

[◀◀]: Lower / [▶▶]: Higher

Note: For station search, hold down either of the buttons for more than 0.5 seconds and release it.

Preset Station Selection

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

Radio Source Display

lights while receiving an FM stereo signal.



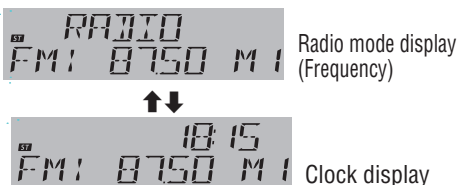
Band

Frequency

Preset Number

Display Change

Press **[DISP]** to change the display.



Radio mode display
(Frequency)

Clock display

Station Preset

Up to 6 stations can be preset in each of AM, FM1, FM2, and FM3.

Preset stations can be simply called up by pressing [1] through [6].

Auto Preset Memory (APM)

With this operation, stations with good receiving conditions can be automatically stored in the preset memory.

1 Select a band.

2 Hold down **[BAND]** (**APM**) for more than 2 seconds.

The preset stations under best receiving conditions are received for 5 seconds each after presetting the stations (SCAN). To stop scanning, press one of the buttons from [1] through [6].

Note: New stations overwrite existing saved stations.

Manual Station Preset

1 Tune into a station.

2 Hold down one of the preset buttons from [1] through [6] for more than 2 seconds.



(blinks once)

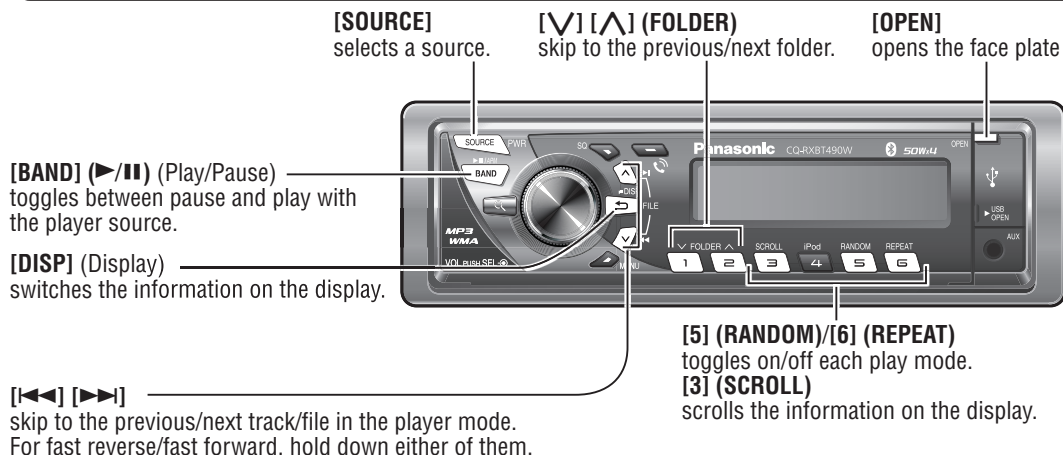
Note: New stations overwrite existing saved stations.

Disc Player (only for CQ-RXBT490W)



Caution

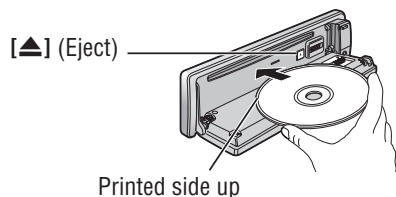
- A disc which has both CD-DA data and MP3/WMA data on it may not be reproduced normally.
- Do not insert a disc when the **DISC** indicator lights.
- Refer to the sections of “Notes on Discs” (⇒ page 35) and “Notes on MP3/WMA” (⇒ page 36).
- This unit does not support 8 cm discs.
- Do not insert foreign objects into the disc slot.



Operation Flow

When a disc is already loaded, press **[SOURCE]** to select the Disc player mode.

- 1 Press **[OPEN]** to open the face plate.
- 2 Load a disc with the printed side facing up.



- 3 Close the face plate manually.

Notes:

- The unit recognizes the disc and starts playing automatically.
- The power will be turned on automatically when a disc is loaded.

Disc Eject

1. Press **[OPEN]**.
2. Press **[▲]** and take the disc out.
3. Close the face plate manually.

- 4 Select a desired portion.

Track/File Selection

Press **[◀◀] / [▶▶]**.

Note: To perform fast reverse/forward, hold down either of them.

Disc Player (CD-DA disc):

Previous/next track

Disc Player (MP3/WMA disc):

Previous/next file

Folder Selection (MP3/WMA)

[^] (FOLDER): Next folder

[V] (FOLDER): Preceding folder

Pause

Press **[BAND] (▶/||)**.

Press again to cancel.

Player Source Display

CD-DA Mode Display

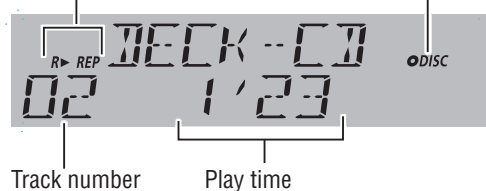
Play Mode indicators

Lights when each mode is activated.

R▶ Random play

REP Repeat play

Lights when a disc is loaded.



Track number

Play time

MP3/WMA Mode Display

Play Mode indicators

lights when each mode is activated.

R▶ Random play

REP Repeat play

FOLDER Folder Random, Folder Repeat

Lights when a disc is loaded.



Folder number

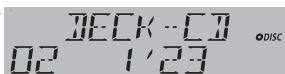
File number

File type (MP3 or WMA)

Display Change

Press **[DISP]**.

Disc Player (CD-DA disc):



Track/Play time



Disc title



Track title



Clock time

(Return to "Track/Play time")

Disc Player (MP3/WMA disc):



Folder/File



Play time



Folder name/ Album*



File name/Title, artist*



Clock time

(Return to "Folder/File")

*ID3/WMA Tag Setting

Hold down **[3] (SCROLL)** for more than 2 seconds.



(Default)

When a folder name is displayed:

TAG ON: The album title is displayed.

TAG OFF: The folder name is displayed.

When a file name is displayed:

TAG ON: The title/artist name is displayed.

TAG OFF: The file name is displayed.

Notes:

- To have another circle scroll while a text is displayed, press **[3] (SCROLL)**. If the number of displayed characters is 11 or less, the characters do not scroll.
- "NO TEXT" is displayed when no information exists on the disc.
- ID3/WMA tag information is displayed for the album name and title/artist name.

Disc Player (continued) (only for CQ-RXBT490W)

Random Play Setting

Press [5] (RANDOM) to select the random play setting.



Random play

All the available songs (tracks/files) are played in a random sequence. (R▶ lights.)



Folder random play

(only for MP3/WMA)

All the available files in the current folder are played in a random sequence. (FOLDER R▶ lights.)



Random off

Return to regular play.

Repeat Play Setting

Press [6] (REPEAT) to select the repeat play setting.



Repeat play

The current song (track/file) is repeated. (REP lights.)



Folder repeat play

(only for MP3/WMA)

The current folder is repeated. (FOLDER REP lights.)



Repeat off

Return to regular play.

USB (MP3/WMA)

Notes for USB device

- This unit plays back MP3/WMA files stored on a USB memory.
- Back up any important data beforehand. We cannot accept responsibility for any lost data.
- Refer to the section on "Compatible USB devices" (⇒ below).
- Refer to the section on "Notes on MP3/WMA".
- Connect your USB device to your car audio using a standard USB extension cable. Use of a 2 m or shorter USB 2.0 cable is recommended.



Caution for USB Device

- Do not connect a USB device directly to this unit. If the USB device is connected directly to this unit and an accident occurs, or if the brakes are applied suddenly, the driver or passenger may bump into the USB device and may get injured.
- Position the USB device and USB extension cable/ optional adaptor so that they do not obstruct your driving.
- Do not connect any USB device other than a USB memory or a USB audio player. Do not connect multiple USB devices to the USB connector. Drawing power for multiple USB devices from the connector could cause overheating and smoking.

Compatible USB devices

• USB Mass Storage Class

This refers to a type of USB device, which when connected to a PC can be used as a storage device without the need for specialized drivers or software. For details as to whether your USB memory/USB Audio is compatible with USB Mass Storage Class, please contact the USB memory/USB Audio manufacturer.

- USB Standard Compatibility 1.1/2.0 Full Speed
- File system is FAT12/16/32
- Maximum current less than 1 A
- Capacity less than 32 GB (1 partition) is recommended.

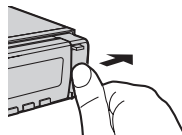
Notes:

- The use of USB devices that contain data files other than MP3/WMA stored is not recommended.
- Playback or display may not be possible depending on the type of the USB device or the condition of the recording.
- Even if PC playback is possible, it may not be possible on this product, because some USB devices are not compliant with the USB standard.
- Even with a USB device in the Mass Storage Class, playback may not be possible in some cases.

Operation Flow

1 Press **[SOURCE]** to select the USB mode.

2 Open the USB connector cover.

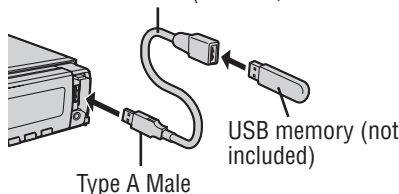


3 Using a USB extension cable, connect the USB memory to this unit.

Notes:

- When connecting (disconnecting) the USB memory, turn down the volume of the unit.
- When connecting the cables, make sure the connector is pushed all the way into the socket.
- This unit may not operate correctly, depending on USB cable's quality and length. Use of a 2 m or shorter USB 2.0 cable is recommended.

USB extension cable (USB 2.0, not included)



Notes:

- MP3/WMA files recognized by the unit are played back automatically.
- If the USB memory is connected to this unit when the power is turned on, playback starts automatically.

4 Select a desired portion.

Folder Selection

[^] (FOLDER): Next folder

[v] (FOLDER): Preceding folder

File Selection

[▶▶]: Next file

[◀◀]: Preceding file (press twice)

Note: For fast forward/reverse, hold down either of them.

Pause

Press **[BAND] (▶/||)**.

Press again to cancel.

USB (MP3/WMA) (continued)

[SOURCE]
selects a source.

[BAND] (▶/II)
(Play/Pause)
toggles between
pause and play with
the USB source.

[VOL]
Rotates to select a file/folder in the file
search mode.
(**PUSH SEL**: Select)
Push to determine the selection in the
file search mode.

[◀◀] [▶▶]
skip to the previous/next file in the USB mode. For
fast reverse/fast forward, hold down either of them.

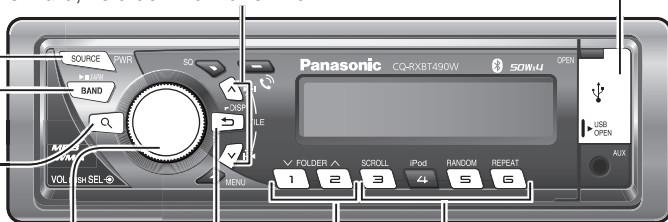
[Q] (Search)
activates the file
search mode.

[DISP] (Display)
switches the information
on the display.
(**↶**) (Return)
returns to the 1 level
higher hierarchy.

USB (Universal Serial Bus)
Connector (inside of the cover)

**[5] (RANDOM)/
[6] (REPEAT)**
toggles on/off each play mode.
[3] (SCROLL)
scrolls the information on the
display.

[V] [^] (FOLDER)
skip to the previous/next folder.



File search

1 Press **[Q]** to activate the file search mode.

Example:



(root folder is
displayed.)

Press again to exit from the file search
mode.

Note: **FOLDER** indicator lights when folder search-
ing is performed.

2 Select a file for play.

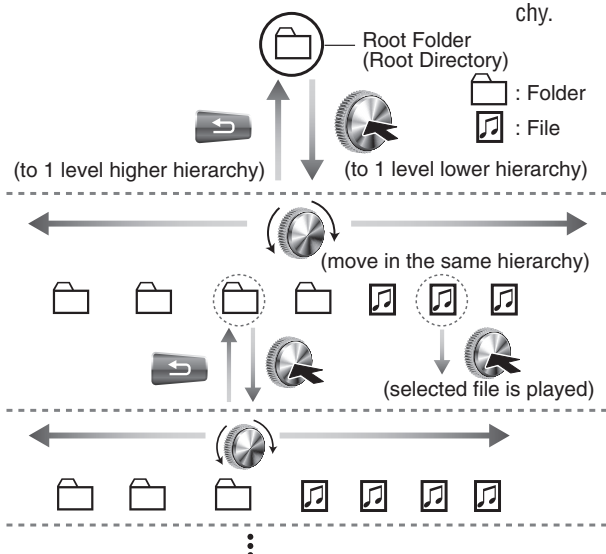
Turn **[VOL]** clockwise or counterclockwise: Selects a
folder or a file in the same hierarchy.

Push **[VOL] (PUSH SEL)**: Determines the selection.

- When a folder is selected, the folder is opened
and a file/folder inside becomes selectable.
Proceed to turn **[VOL]** clockwise or counter-
clockwise to select a file/folder.
- When a file is selected, the file is played.

Notes:

- Press **[↶]**: Returns to the 1 level higher hier-
archy.
- Press **[Q]** for more than 2 seconds to active the
quick return function, selection returns to the 1st
file or 1st folder respectively within same hierar-
chy.



USB Disconnect

Disconnect the USB memory and USB extension cable.



Notes:

- Do not leave the USB device for long periods of time in places inside the car where temperature becomes excessively high.
- To prevent dirt and dust from adhering to the USB connector, close the cover of this unit when not in use.

USB Mode Display

Play Mode indicators

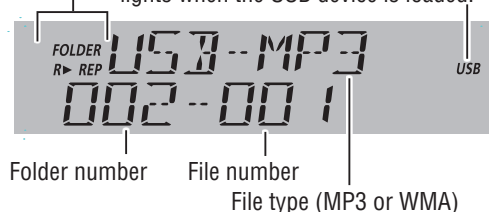
lights when each mode is activated.

R▶ Random play

REP Repeat play

FOLDER Folder Random, Folder Repeat

lights when the USB device is loaded.



Display Change

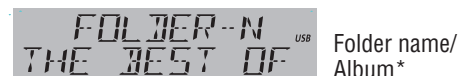
Press **[DISP]**.



Folder/File



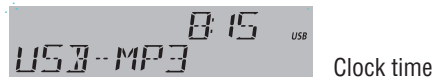
Play time



Folder name/
Album*



File name/Title,
artist*



Clock time



(Return to "Folder/File")

*ID3/WMA Tag Setting

Hold down **[3] (SCROLL)** for more than 2 seconds.



(Default)

When a folder name is displayed:

TAG ON: The album title is displayed.

TAG OFF: The folder name is displayed.

When a file name is displayed:

TAG ON: The title/artist name is displayed.

TAG OFF: The file name is displayed.

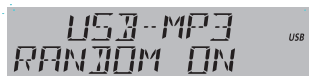
Notes:

- To have another circle scroll while a text is displayed, press **[3] (SCROLL)**. If the number of displayed characters is 11 or less, the characters do not scroll.
- "NO TEXT" is displayed when no information exists on the USB device.
- ID3/WMA tag information is displayed for the album name and title/artist name.

USB (MP3/WMA) (continued)

Random Play Setting

Press [5] (RANDOM) to select the random play setting.



Random play

All the available files are played in a random sequence. (▶ lights.)



Folder random play

All the files in the current folder are played in a random sequence. (FOLDER ▶ lights.)

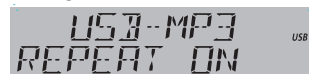


Random off

Return to regular play.

Repeat Play Setting

Press [6] (REPEAT) to select the repeat play setting.



Repeat play

The current file is repeated. (REP lights.)



Folder repeat play

The current folder is repeated. (FOLDER REP lights.)



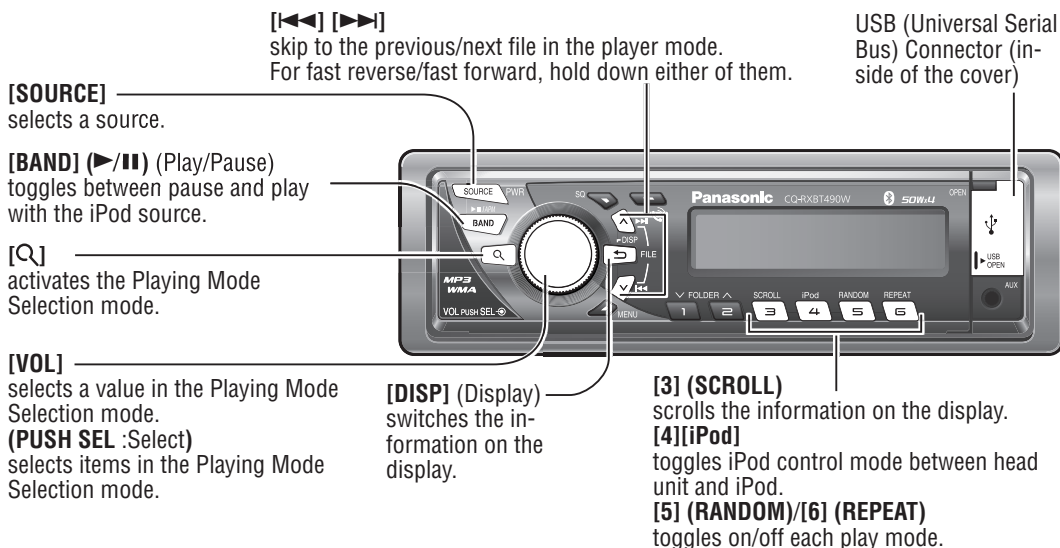
Repeat off

Return to regular play.

For use with iPod

By connecting compatible with iPod devices to USB connector via a USB extension cable for iPod (USB 2.0, not included), you can enjoy music files stored on the compatible with iPod devices in your vehicle.

Note: Refer to the section on "USB (MP3/WMA)" for connection.



Operation Flow

- 1 Connect with iPod.
- 2 Press **[SOURCE]** to select the iPod (USB) mode. Playback starts.

Note: If playback does not start, press **[BAND] (▶/II)**.

File Selection

[▶▶I]: Next file

[◀◀I]: Beginning of the current file

For the preceding file, press twice.

Notes:

- Hold down for fast forward/reverse.
- When fast forward comes to the end of a file or fast reverse comes to the beginning of a file, regular playback starts when the fast forward or reverse button is released.

Pause

Press **[BAND] (▶/II)**.

Press again to cancel.

Playing Mode Selection

- 1 Press **[Q]** to activate the Playing Mode Selection mode.
- 2 Turn **[VOL]** clockwise or counterclockwise to adjust.

PLAYLIST: Playback by playlist (Default)

ARTIST: Playback by artist

ALBUM: Playback by album

GENRE: Playback by genre

- 3 Press **[VOL] (PUSH SEL)** to determine the selection.
- 4 Turn **[VOL]** clockwise or counterclockwise to select a portion to be played.
- 5 Press **[VOL] (PUSH SEL)** to determine the selection.

Notes:

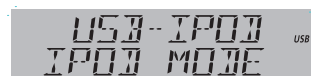
- To return to the previous screen, press **[DISP]**.
- Files without an album name or an artist name are not playable in the playing mode of the album or artist display respectively.
- When using with iPod 5th generation, please note the selected file from this unit may differ from your iPod device. If such phenomenon occurs, please select the desired file from your iPod directly.
- Playing Mode Selection is not available when this unit is switch to iPod control mode.

For use with iPod (continued)

Setting the iPod Control

When iPod/iPhone is connected, operate it from its own controls or from this head unit can be selectable.

Press **[4] (iPod)** to switch iPod control mode between this head unit and iPod.



**iPod mode
(Default):**

Operate the iPod/iPhone playback via this head unit.



**iPod control
mode:**

Operate the iPod/iPhone playback using its own controls.

Note: The iPod control mode (function) can not be operated with the following iPod models.

- iPod nano (1st generation)
- iPod with video

Please note the controllable function under “iPod Mode” and “iPod Control Mode” on head unit may vary with iPod models.

iPod Mode Display

Play Mode indicators

lights when each mode is activated.

REP Repeat play (blinks when all songs repeat play is activated.)

R Shuffle play (songs)

Blinks when shuffle play (albums) mode is activated.

R Shuffle play (albums)



Current file

All files (A number up to 999 is displayable.)

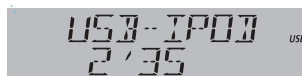
lights when a USB extension cable for iPod and iPod devices is connected with USB connector and the USB source is selected.

Display Change

Press **[DISP.]**.



Current file/all files
(Default)



Play time



Title name



Album name



Artist name



Clock time



(Return to “Current file/all files”)

Notes:

- To have another circle scroll while a text is displayed, press **[3] (SCROLL)**. If the number of displayed characters is 11 or less, the characters do not scroll.
- “NO TEXT” is displayed when no information exists.

Repeat, Shuffle Play

Repeat Play Setting

Press **[6] (REPEAT)** to select the repeat play setting.



**One song repeat
play**

The current file is repeated. (**REP** lights.)



**All songs repeat
play**

The all playable songs are repeated.
(**REP** blinks.)



Repeat play off

Return to regular play.

Note: Depending on the connected iPod/iPhone, repeat play or random play may differ from this unit and your iPod/iPhone.

Shuffle Play Setting

The shuffle function of an iPod corresponds to the RANDOM function of this unit.

Press [5] (**RANDOM**) to select the shuffle play setting.



Songs

All the available files are played in a random sequence. (R▶ lights.)



Albums

All the playable albums are played in a random sequence. (R▶ blinks.)



Shuffle off

Return to regular play.

Compatible with iPod devices/software version (USB connector)

This unit is capable of controlling and playing music for iPod. (video playback is not feasible)

Made for.

- iPod touch (4th generation)/ver. 5.0.1
- iPod touch (3rd generation)/ver. 5.0.1
- iPod touch (2nd generation)/ver. 4.2.1
- iPod touch (1st generation)/ver. 3.1.3
- iPod classic (160 GB only)/ver. 2.0.4
- iPod classic (120 GB only)/ver. 2.0.1
- iPod classic/ver. 1.1.2
- iPod with video/ver. 1.3
- iPod nano (6th generation)/ver. 1.2
- iPod nano (5th generation)/ver. 1.0.2
- iPod nano (4th generation)/ver. 1.0.4
- iPod nano (3rd generation)/ver. 1.1.3
- iPod nano (2nd generation)/ver. 1.1.3
- iPod nano (1st generation)/ver. 1.3.1

Made for.

- iPhone 4S/ver. 5.0.1
- iPhone 4/ver. 5.0.1
- iPhone 3GS/ver. 5.0.1
- iPhone 3G/ver. 4.2.1
- iPhone/ver. 3.1.3

* Operation check has been completed with software available at the end of December, 2011. We do not guarantee the operation with our future products or upgraded software.

Notes:

- The shuffle function for iPod corresponds to the RANDOM function of this unit.
- Please make sure to detach the iPod after turning off the vehicle engine (turning the ACC to OFF). The iPod devices may not shut down while still connected, which may result in battery depletion.
- Please do not connect for iPod accessories such as for iPod remote control unit or headphones while connecting for iPod with the unit. The unit may not operate correctly.
- Connect this unit after turning down the volume for the iPod.
- "PAUSE" appears until for iPod is recognized after connecting for iPod. This indicates there is nothing wrong with the main unit.
- We do not guarantee all the operations of connectable devices.
- If your iPod or iPhone is not working correctly, disconnect it from this unit, reset it and then reconnect it to this unit.
- The iPod/iPhone will be recharged while connected to this unit.
- When iPhone is paired with this unit via Bluetooth® and connected with USB connector at the same time, please note when playing music via Bluetooth® and then switch to USB mode on this unit, the sound output of USB mode are muted. If such phenomenon occurs, please unplug the USB cable and plug again for normal operation.

Bluetooth® - General

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

(↵) (Return)
exits from the waiting status or setting PIN code.

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

[SOURCE]
selects a source.

[MENU]
selects items in the
phone menu.

[1] [2]
pair, connect, or remove a Bluetooth®
device.



Pairing Bluetooth® device

Up to 2 devices can be paired to this unit.

When pairing for the first time:

Please notice following operation is using button **[1]** for example.

- 1 Press **[SOURCE]** to select the Bluetooth® mode.
- 2 Press button **[1]** or **[2]** to select desired memory position for device to be paired.

B/T-SRC 1
NO PAIR

button **[1]** for
example

- 3 Hold down **[1]** or **[2]** for more than 2 seconds.

B/T-SRC 1
PAIR SURE?

- 4 Press **[VOL]** (**PUSH SEL**).

B/T-SRC 1
WAITING

"WAITING" blinks.

Operate the Bluetooth® device to pair it with this unit.

Select device title starts with "CAR BT" from the search results screen on your Bluetooth® device. Input the PIN code for connection. (The default PIN code is "0000").

- 5 "PAIRED" is displayed on this unit and then the device is connected to this unit.

B/T-SRC 1
PAIRED

B/T-SRC 1
CONNECTED



Example: The name of Bluetooth® device is "P-07C"

B/T-SRC 1
P-07C

(Bluetooth®) indicator
lights when device is paired, and connected.

When changing from an already paired device but not connecting:

B/T-SRC 1
DISCONNECT



- 1 Hold down **[1]** or **[2]** for more than 2 seconds.

B/T-SRC 1
CONNECT

- 2 Turn **[VOL]** to select "NEW PAIR".

B/T-SRC 1
NEW PAIR

- 3 Press **[VOL]** (**PUSH SEL**).

B/T-SRC 1
WAITING



Operate the Bluetooth® device to pair it with this unit.

Notes:

- We shall not guarantee all the functions of the Bluetooth® device to be connected. When operations cannot be performed via this unit, operate the system via the Bluetooth® device.
- Be aware that the battery of a Bluetooth® device drains faster if the Bluetooth® device is connected to this unit.
- Even when the Bluetooth® device that is connected to this unit is located near this unit, sound may be interrupted or noise may be generated.
- The Bluetooth® device with over 5-digit PIN code is not operated with this unit.

When changing from an already paired device and connecting:

The name of the device is displayed.

- 1 Hold down [1] or [2] for more than 2 seconds.

- 2 Turn [VOL] to select "NEW PAIR".

- 3 Press [VOL] (PUSH SEL).



Operate the Bluetooth® device to pair it with this unit.

Changing the PIN code for this unit

- 1 Press [MENU] .
- 2 Turn [VOL] clockwise or counterclockwise to select menu "PHONE" .

- 3 Press [VOL] (PUSH SEL).
- 4 Turn [VOL] to select "PINCODE".

- 5 Press [VOL] (PUSH SEL).

1st digit blinks

- 6 Enter a number for each flashing digit.

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

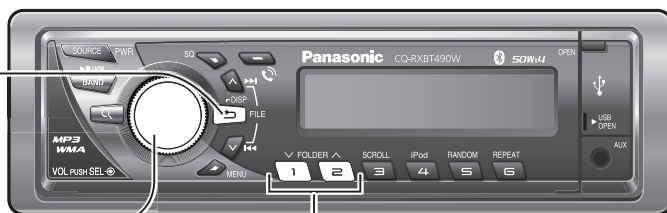
- 7 When last digit is entered and confirmed, the new PIN code is registered.

Completed

Bluetooth® - General (continued)

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

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



[1] [2]
pair, connect, or remove a Bluetooth® device.

Connecting a paired device

When an already paired device but not connecting:

3/T-SRC 1
DISCONNECT

button [1] for example

1 Hold down [1] or [2] for more than 2 seconds.

3/T-SRC 1
CONNECT

2 Press [VOL] (PUSH SEL).

3/T-SRC 1
CONNECTING

when "CONNECTING" is displayed, please make sure your Bluetooth® device is standby for connection.

3/T-SRC 1
CONNECTED

The paired device is connected to this unit automatically.

Disconnecting a connected device

When an already paired device is connected to this unit:

Example: The name of device is "P-07C".

3/T-SRC 1
P-07C

1 Hold down [1] or [2] for more than 2 seconds.

3/T-SRC 1
DISCONNECT

2 Press [VOL] (PUSH SEL).

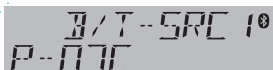
3/T-SRC 1
DISCON3

3/T-SRC 1
DISCONNECT

The paired device is disconnected from this unit.

Deleting a paired device

- 1 Press button [1] or [2] to select the device to be deleted.



B/T-SRC 1[®]
P-07C

- 2 Hold down [1] or [2] for more than 2 seconds.



B/T-SRC 1[®]
DISCONNECT

- 3 Turn [VOL] to select "DEL PAIR".



B/T-SRC 1[®]
DEL PAIR

- 4 Press [VOL] (PUSH SEL).



DELETE
SURE?

- 5 Press [VOL] (PUSH SEL) to delete.

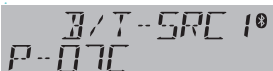


B/T-SRC 1[®]
DELETED

The paired device is deleted.

Display Change

Press [DISP] to change the display.



B/T-SRC 1[®]
P-07C

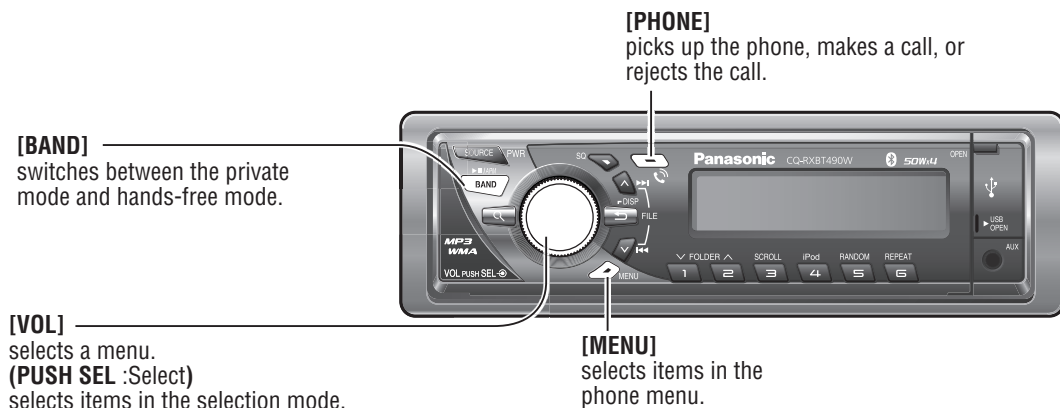
Bluetooth[®] display



B/T-SRC 1[®]
8:15[®]

Clock display.

Bluetooth® - Hands-Free Phone



Basic operation

If a call comes in to the mobile phone when it is connected to this unit, the unit automatically switches to the Bluetooth® Hand-free and the ring tone for the incoming call is output from the speakers.

Answering an incoming call:

Press **[PHONE]** during a call incoming.

The Bluetooth® indicator (📶) blinks during a call.

Note: If the automatic answering function on this unit is set to ON, conversation can be automatically started after receiving a call.

To end a call:

Press **[PHONE]** during a call.

Rejecting an incoming call:

Hold down **[PHONE]** for more than 2 seconds to reject an incoming call.

Setting of automatic answering function

- 1 Press **[MENU]**.
- 2 Turn **[VOL]** clockwise or counterclockwise to select menu "PHONE".

MENU
PHONE

- 3 Press **[VOL] (PUSH SEL)**.
- 4 Turn **[VOL]** clockwise or counterclockwise to select "AUTO-ANS".

3/T MENU
AUTO-ANS

- 5 Press **[VOL] (PUSH SEL)**.
- 6 Press **[VOL] (PUSH SEL)**, and then turn **[VOL]** to select set ON or OFF

AUTO-ANS
SET OFF

Automatic answering deactivated
(Default)



AUTO-ANS
SET ON

Automatic answering activated

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

When automatic answer is set to ON, this unit answers an incoming call automatically.

Use of voice dial

- 1 Hold down **[PHONE]** for more than 2 seconds.

B/T-SRC 1®
VOICE DIAL

- 2 Say the voice tag stored on the mobile phone.

If the voice tag matches with a piece of data on the phone book registered with the mobile phone, the telephone number of the name is dialed.

Note: The Bluetooth® mobile phone itself must be equipped with and support the voice dial function.

Switching between the private mode* and hands-free mode

Press **[BAND]** during a call.

The private mode and hands-free mode switch alternately every time **[BAND]** is pressed.

VOICEDUT®
TO PRIVATE (Private mode)



VOICEDUT®
TO SPEAKER (Hands-free mode)

* The private mode is defined as the mode where conversation is conducted with the mobile phone in a usual manner without the hands-free function.

Note: To have a mobile phone conversation with use of this unit, the mobile phone shall be compatible with the Hands-Free Profile.

History management

Making calls by history.

Note: This history mode is selectable only when an device is paired and connected to this unit.

- 1 Press **[MENU]**.
- 2 Turn **[VOL]** clockwise or counterclockwise to select menu "PHONE".

MENU
PHONE

- 3 Press **[VOL] (PUSH SEL)**.

- 4 Turn **[VOL]** to select "HISTORY".

B/T MENU®
HISTORY

- 5 Press **[VOL] (PUSH SEL)**.

- 6 Turn **[VOL]** to select each mode described below:

"MISSED CALL", "REC'D CALL", "DIALED CALL" and "DELETE MODE".

HISTORY®
MISSED CALL

Missed Call record

The record of missed call (up to 10 records) is saved.



Press **[VOL] (PUSH SEL)** to display the missed call history.

MISSED 01®
09 11 05 12 1

The record number indication



You can make a call from the missed call history:

Turn **[VOL]** to select displayed number or name and then press **[PHONE]** or **[VOL]**, the displayed number or name is called.

HISTORY®
REC'D CALL

Received Call record

The record of received call (up to 10 records) is saved.



Press **[VOL] (PUSH SEL)** to display the received call history.

REC'D 01®
09 11 05 12 1

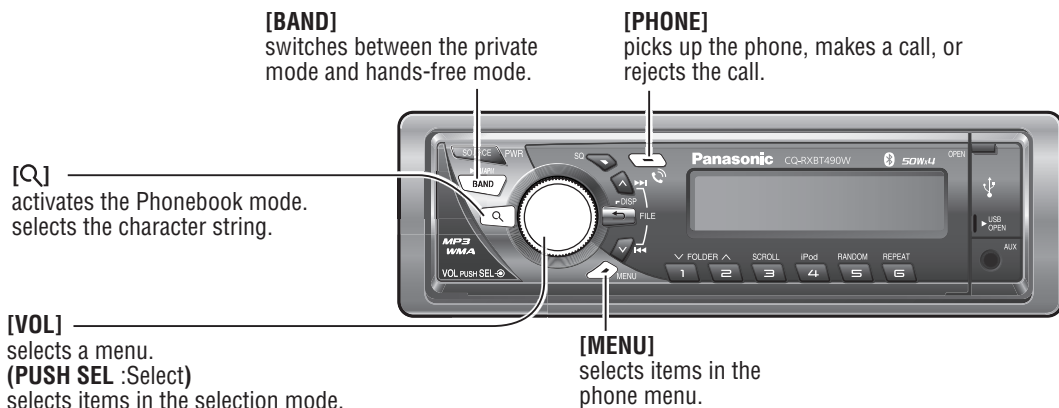
The record number indication



You can make a call from the received call history:

Turn **[VOL]** to select displayed number or name and then press **[PHONE]** or **[VOL]**, the displayed number or name is called.

Bluetooth® - Hands-Free Phone (continued)



History management (continued)



Dialed Call record

The record of dialed call (up to 10 records) is saved.

Press **[VOL]** (**PUSH SEL**) to display the dialed call history.

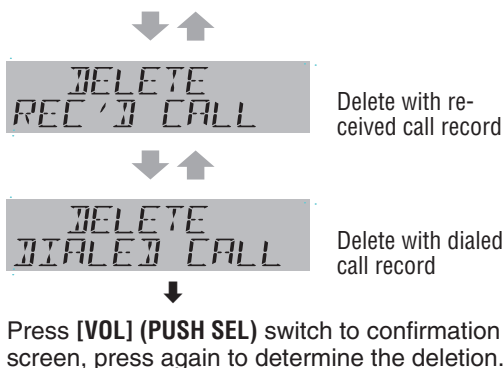


You can make a call from the dialed call history:
Turn **[VOL]** to select displayed number or name and then press **[PHONE]** or **[VOL]**, the displayed number or name is called.



History Delete mode

Press **[VOL]** (**PUSH SEL**) and then turn **[VOL]** to select the delete mode as below:



Press **[VOL]** (**PUSH SEL**) switch to confirmation screen, press again to determine the deletion.

Device Information

- 1 Press **[MENU]**.
- 2 Turn **[VOL]** clockwise or counterclockwise to select menu "PHONE".



- 3 Press **[VOL]** (**PUSH SEL**).
- 4 Turn **[VOL]** to select "DEV, INFO"(device information).



- 5 Press **[VOL]** (**PUSH SEL**).
- Example



The device information of this unit is displayed.

Phonebook management

Note: This phonebook mode is selectable only when an device is paired and connected to this unit.

1 Press [Q].



2 Press [VOL] (PUSH SEL).

3 Turn [VOL] to select each mode described below:

“CONTACT”, “IMP.CONTACT”, “DELETE ALL”



Telephone directory information (contact person)

You can store up to 50 contacts in the phonebook and up to 3 phone numbers can be registered to each contact.

Note: To use this function, the phonebook must be imported to this unit from Bluetooth® mobile phone.

Press [VOL] (PUSH SEL) to display the contact information.

You can make a call from the selected contact number:

Turn [VOL]/press [VOL] to select to the desired number or name and then press [PHONE] or [VOL], the displayed number or name is called.

Note: When a contact is displayed, press [VOL] and then turn [VOL] switch to delete an individual contact confirmation screen, press [VOL] switch to confirmation screen, press again to delete selected contact.



Phonebook import mode

Press [VOL] (PUSH SEL) switch to waiting status for importing phonebook from Bluetooth® mobile phone.

Note: Bluetooth® may disconnect temporarily from your device and will reconnect automatically.



“WAITING” blinks.

Operate the Bluetooth® mobile phone to transmit its phonebook directory data to this unit.

Notes:

- Up to 50 contacts' data can be entered. When 50 th data is entered, “COMPLETED” is displayed and no more data can be imported. If you want to import other phonebook data, please delete the phonebook data from this unit at first.
- To use this import function, the mobile phone must be compatible with Object Push Profile.



Phonebook data deletion

Press [VOL] (PUSH SEL) switch to confirmation screen, press again to determine the deletion for all phonebook data on this unit.

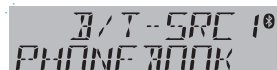
Note: To use this function, the phonebook must be imported to this unit from Bluetooth® mobile phone.

Phonebook search

You can search for the contact by its initial letter:

Note: To use this function, the phonebook must be imported to this unit from Bluetooth® mobile phone.

1 Press [Q].



2 Hold down [Q] for more than 2 seconds.



Turn [VOL] to select the initial character string to be look up/searched (0 to 9 and A to Z).

3 Press [VOL] (PUSH SEL) to start up/search.

The corresponded result is displayed, you can make a call by pressing [PHONE] when desired number/name selection is done. (turn [VOL] for selection.)

Note: When the initial character string to be looked up does not exist, “NO DATA” is displayed and returns to previous screen.

Bluetooth® - Music Player

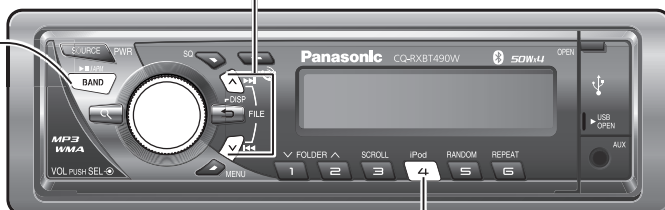
Notes:

- The Bluetooth® audio devices that can be played with this unit must be compatible with A2DP (Advanced Audio Distribution Profile) or AVRCP (Audio/Video Remote Control Profile).
- If the device supports A2DP (Advanced Audio Distribution Profile), you can listen to the playback sound via this unit.
- If the device supports AVRCP (Audio/Video Remote Control Profile), you can control playback via this unit.

[◀◀] [▶▶]

skip to the previous/next file in the player mode.

[BAND] (▶/||) (Play/Pause)
toggles between pause and
play with the Bluetooth® music
source.



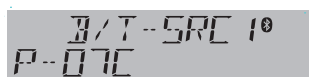
[4][iPod]

toggles between Bluetooth® music mode
and Bluetooth® Hands-Free mode.

Operation Flow

Music Mode Activation

Press button [4] toggles between Bluetooth®
music mode and Bluetooth® Hands-Free mode.



Hands-Free mode



Music mode

Song Selection

[▶▶]: Next file

[◀◀]: Back to the beginning of the current file.
Back to the previous file. (press twice)

Notes:

- The control of pressing [▶▶]/[◀◀] in music mode depends on the key definitions of connected device.
- Depending on the specifications of the connected audio device, operations may not work.

Pause

Press [▶/||] (Play/Pause)

Press again to cancel.

Notes:

- Some mobile phones automatically switch to energy saving mode or sleep mode when pause the music playback, and automatically disconnected the Bluetooth® connection. But if you want to reconnect the Bluetooth® connection, performing playback on the mobile phone itself.
- The available operation differs depending on the Bluetooth® device. Perform unavailable operations on the Bluetooth® device.
- Depending on the Bluetooth® device, it may be necessary to press [▶/||] twice to start/pause the playback.

Notes on Bluetooth®

Frequency band used

This product uses the 2.4 GHz frequency band, but other wireless devices may also use the same frequency. Note the following to prevent radio waves interfering with other wireless devices. Microwave ovens and other industrial, scientific, and medical equipment, in-plant radio stations used for mobile object identification on, for example, the production lines of factories, specified low power radio stations that do not require a license, amateur radio stations, and the like (hereafter abbreviated as “other radio stations”) operate in the same frequency band as this product.

Usage limitations

- This product is not guaranteed to be able to perform wireless communication with all Bluetooth® compatible devices.
- Bluetooth® compatible devices for wireless communication comply with the standard defined by Bluetooth® SIG, Inc., and need to receive certification. However, even if a Bluetooth® compatible device complies with the standard, a connection may not be possible, or the operating procedure, display, or operation may differ because of the specifications or settings of the device.
- This product includes support for security functions compliant with the Bluetooth® standard, but security may sometimes be insufficient depending on the operating environment and settings.
Be careful during wireless communication.
- We assume no responsibility whatsoever for data generated or information leaked during wireless communication.

Influence from other devices

- If this product is used near another Bluetooth® compatible device or a device that uses the 2.4 GHz frequency band, problems such as the device not working properly and noise generation are likely to occur because of radio wave interference.
- This product may not work properly if there is a broadcasting station or the like nearby, and the surrounding signal is too strong.

Application limitations

- To use this product for listening to music or for a Hands-Free call, the Bluetooth® compatible device needs to support the following Bluetooth® version. Bluetooth® Standard Ver. 2.1
- To use this product for calling with a mobile phone, the mobile phone needs to support the Hands-Free Profile.
- To transfer the contacts of a mobile phone to this product, the mobile phone needs to support the Object Push Profile.
- A connection may not be possible, or the operating procedure, display, or operation may differ because of the specifications or settings of the Bluetooth® compatible device.
- Even if this product and Bluetooth® compatible device are close to each other, sound may be intermittent or affected by noise because of the state of the signal.

Bluetooth®

The Bluetooth word mark and logo are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade name are those of their respective owners.

Anti-Theft System

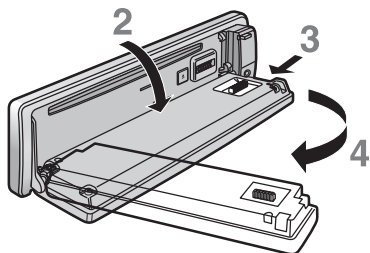
This unit is equipped with a removable face plate. Removing this face plate makes the unit totally inoperable.

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.

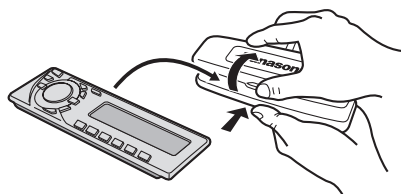
Face Plate Removing

- 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 (only for CQ-RXBT490W)

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 centre 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

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 (only for CQ-RXBT490W)**
 - 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

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.
- ASCII character set and special characters in each

Recording MP3/WMA Files on a CD-Media (only for CQ-RXBT490W)/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.)

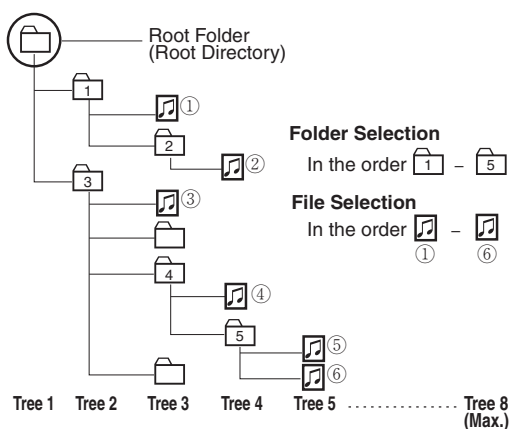
Notes:

- 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 December 2011. It has no warranty for reproducibility and displayability of MP3/WMA.

Troubleshooting

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 Service Centre. 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.









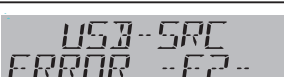

Trouble	Possible Solution
Common	
No power	<ul style="list-style-type: none"> ● <i>Start the engine. (Alternatively, turn the ignition switch to the ACC position.)</i> ● Verify the wiring. (Battery lead, power lead, ground lead, etc.) ● <i>Fuse blown (Consult your dealer or an authorized Panasonic Service Centre.)</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 (only for CQ-RXBT490W)	
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 Service Centre.</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"> ● <i>Connect the USB device and USB extension cable correctly.</i> ● <i>Check if there is any music data that can be played stored on the USB device.</i> ● <i>Use a USB device with a FAT12/16/32 file system.</i> ● <i>Use a USB device with a current consumption lower than 1 A.</i>
“READING” is displayed but music is not played back.	<ul style="list-style-type: none"> ● <i>Do not use a USB Hub.</i> ● 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"> ● <i>Use devices compatible with HFP (Hands-Free Profile).</i>
	The mobile phone is not registered on this product. <ul style="list-style-type: none"> ● <i>Connecting and calling with an unregistered mobile phone is not possible. Register the mobile phone on this product.</i>
	The mobile phone is not connected. <ul style="list-style-type: none"> ● <i>Calling is not possible if the mobile phone is not connected to this product. Connect the mobile phone to this product.</i>
	The Bluetooth® device can not pair/register with this unit successfully. <ul style="list-style-type: none"> ● <i>Check the device Bluetooth® setting is set to ON.</i> ● <i>Delete the paired memory within Bluetooth® device and main unit, then pair again.</i> ● <i>Switch OFF and ON with device Bluetooth® function, then pair again.</i> ● <i>Check the device PIN code, then input the correct PIN code for connection.</i>
	This unit and Bluetooth® device are too far apart. <ul style="list-style-type: none"> ● <i>Bring this unit and Bluetooth® device closer together and try to pair again.</i>
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"> ● <i>Close the windows.</i> ● <i>Move the microphone away from the car speakers.</i> ● <i>Lower the volume.</i>
Phone voice is of poor quality. Phone voice is inaudible.	Mobile phone reception is poor. <ul style="list-style-type: none"> ● <i>Check mobile phone reception.</i>
Bluetooth® audio does not work.	The Bluetooth® audio-compliant device does not support A2DP/AVRCP. <ul style="list-style-type: none"> ● <i>Check the instruction manual of the Bluetooth® audio-compliant device for support conditions.</i>
	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"> ● <i>Operate mobile phone, select the music player mode, then press PLAY to play the desired music file via Bluetooth® communication.</i>

Troubleshooting (continued)










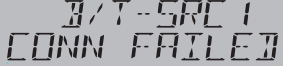
Trouble	Possible Solution
Bluetooth®	
Bluetooth® audio cannot be heard.	The main unit is not in the Bluetooth® music mode. ● Check and switch to the Bluetooth® music mode.
	The Bluetooth® audio is not output from mobile phone or Bluetooth® audio device. ● Switch OFF and ON with mobile phone or Bluetooth® audio device for reestablish the communication.
	The music is paused temporarily. ● Press [BAND] button on this unit to resume music play.
	Some mobile phones can not restore the A2DP communication with music mode after ended phone conversation. ● Check Bluetooth® mode on this unit to restore the A2DP communication.
Telephone voice dial does not work.	The mobile phone does not support the voice dial function. ● Change to another mobile phone which supports the voice dial function.
	The distance between user and microphone is too far apart, the sound is low, or the surrounding is noisy. ● Speak toward the microphone closer and keep the surrounding quiet.
Sound skipping with Bluetooth® audio	This unit and Bluetooth® device are too far apart. ● Bring the Bluetooth® device closer to this unit.
	There is another wireless device near this unit and interference occurs. ● Switch off the other wireless device and keep it away from this unit.
	Other wireless device is using the Bluetooth® profile excluding from main unit. (Ex. All phonebook transmission) ● Switch off the transmission with wireless device.
Unable to import the telephone directory.	The mobile phone dose not support Bluetooth® OPP (Object Push Profile) function. ● Change to another mobile phone which supports Bluetooth® OPP function.
	There is no telephone or name information within exported directory. ● Confirm the directory information is completely and correctly.
	The mobile phone is too far apart or communication interference occurs. ● Bring the mobile phone closer to this unit or switch off the other wireless device and keep it away from this unit.

Error Display Messages

Display	Possible Solution
Radio	
	No operation by some cause. <ul style="list-style-type: none"> ● Switch the power or ACC ON/OFF. If this does not solve the problem or the unit is still out of order, consult your dealer or an authorized Panasonic Service Centre to ask for repairs.
Disc Player (only for CQ-RXBT490W)	
	(The disc is ejected automatically.) The disc is dirty or upside down. <ul style="list-style-type: none"> ● Check the disc.
	(The disc is ejected automatically.) The disc has scratches. <ul style="list-style-type: none"> ● Check the disc.
	No operation by some cause <ul style="list-style-type: none"> ● If normal operation is not restored, consult your dealer or an authorized Panasonic Service Centre to ask for repairs.
	Cannot read the file <ul style="list-style-type: none"> ● Check the disc.
	The WMA file can be copyrighted. <ul style="list-style-type: none"> ● The file protected by copyright is not playable.
USB (MP3/WMA)	
	A USB device is not connected or the connected device cannot be recognized. <ul style="list-style-type: none"> ● Use a USB memory that is suitable for this unit.
	No playable files exist. An unsupported USB device is connected. <ul style="list-style-type: none"> ● Use a USB memory that is suitable for this unit. ● Record files that can be played back on this unit onto the USB memory.
	A USB device that exceeds the current capacity that can be supplied is connected. For some reason, an over-current was detected. <ul style="list-style-type: none"> ● Use a USB memory that has a consumption current of less than 1 A. ● Switch the Source, and select the USB (MP3/WMA) mode again. ● Switch the power off/on, and select the USB (MP3/WMA) mode again. ● Check that the USB connector section is not dirty, and that there is no foreign objects.
	No operation by some cause <ul style="list-style-type: none"> ● Switch the power on or set ACC to ON. If this does not solve the problem, unplug the power cord and plug it in again (➡ Installation Instructions). In case the unit is still out of order, consult your dealer or an authorized Panasonic Service Centre.

Troubleshooting (continued)

Error Display Messages

Display	Possible Solution
USB (MP3/WMA)	
 <p>(After 5 seconds) ➔ To next file automatically</p>	<p>The player cannot read the file you are trying to play for some reason. (File recorded in an unsupported file system, compression scheme, data format, file name extension, damaged data, etc.)</p> <ul style="list-style-type: none"> ● Confirm that the USB extension cable is firmly connected, and reconnect if not. Select a file that the player can read. Check the type of data stored in the USB memory. Format the USB memory if necessary.
 <p>(After 5 seconds) ➔ To next file automatically</p>	<p>The WMA file can be copyrighted.</p> <ul style="list-style-type: none"> ● The file protected by copyright is not playable.
For use with iPod	
	<p>The iPod is not recognized correctly.</p> <ul style="list-style-type: none"> ● Some time could be taken for the iPod to be recognized. ● Check the connection. ● Reset the iPod, and then connect it again.
	<p>Your iPod has no playable music.</p> <ul style="list-style-type: none"> ● Download playable music to your iPod.
Bluetooth®	
	<p>The Bluetooth® module for some reason cannot function.</p> <ul style="list-style-type: none"> ● Switch the power or ACC ON/OFF. In case the unit is still out of order, consult your dealership.
	<p>Bluetooth® communication error (Module and System)</p> <ul style="list-style-type: none"> ● Switch the power or ACC ON/OFF. In case the unit is still out of order, consult your dealership.
	<p>The pairing fails because of mismatched PIN code.</p> <ul style="list-style-type: none"> ● Match the PIN code between this unit and the Bluetooth® device.
	<p>The pairing is not successfully completed within limited time.</p> <ul style="list-style-type: none"> ● Complete pairing with the Bluetooth® device within limited time.
	<p>Pairing with the Bluetooth® device fails for some reason.</p> <ul style="list-style-type: none"> ● Check to see whether the Bluetooth® device operates properly.
	<p>Connection with the Bluetooth® device fails for some reason.</p> <ul style="list-style-type: none"> ● Check to see whether the Bluetooth® device operates properly.

Maintenance/Fuse

Cleaning the Unit

Your product is designed and manufactured to ensure the minimum of maintenance. Use a dry, soft cloth for routine exterior cleaning. Never use benzine, thinner, or other solvents.



Fuse

If the fuse blows out, consult your dealer or an authorized Panasonic Service Centre.



Warning

Use fuses of the same specified rating (**15 A**). Using substitutes or fuses with higher ratings, or connecting the unit directly without a fuse could cause fire or damage to the unit. **If the replaced fuse fails, consult your dealer or an authorized Panasonic Service Centre.**

Specifications

General

Power supply:	12 V DC (11 V – 16 V) test voltage 14.4 V, Negative ground
Current consumption:	Less than 2.5 A (CD mode, 0.5 W x 4 channels) (CQ-RXBT490W) Less than 2.5 A (USB mode, 0.5 W x 4 channels) (CR-LXBT490W)
Maximum power output:	50 W x 4 channels (at 1 kHz), Volume control maximum
Power output:	18 W x 4 channels (1 kHz, 1 %, 4 Ω)
Tone/SQ adjustment range:	SQ Low/Bass: \pm 12 dB (at 60 Hz, 80 Hz, 100 Hz, 200 Hz) SQ Mid: \pm 12 dB (at 500 Hz, 1 kHz, 2 kHz, 3 kHz) SQ High/Treble: \pm 12 dB (at 10 kHz, 12 kHz, 15 kHz, 18 kHz)
Speaker impedance:	4 – 8 Ω
Pre-amp output voltage:	5.0 V (CD mode, 1 kHz, 0 dB) (CQ-RXBT490W) 5.0 V (USB mode, 1 kHz, 1 dB) (CR-LXBT490W)
Pre-amp output impedance:	200 Ω
Dimensions (W x H x D):	178 mm x 50 mm x 158 mm
Weight:	1.2 kg (CQ-RXBT490W) 0.8 kg (CR-LXBT490W)
USB connector	
USB standard compatibility:	1.1/2.0 full speed
File system:	FAT12/16/32
Maximum supply current:	1 A
Playable audio format:	MP3/WMA
Recommended capacity:	Less than 32 GB (1 partition)
Front AUX input	
Input impedance:	10 k Ω
Maximum input level:	2.0 V
Connector:	3.5 mm ϕ Stereo mini pin
Input sensitivity:	200 mVrms

FM radio

Frequency range:	87.50 MHz – 108.00 MHz
Usable sensitivity:	6 dB/ μ V (S/N 30 dB)
Frequency response:	30 Hz – 15 kHz (\pm 3 dB)
Alternate channel selectivity:	75 dB
Stereo separation:	35 dB (at 1 kHz)
Image rejection ratio:	70 dB
IF rejection ratio:	100 dB
Signal to noise ratio:	62 dB

AM radio

Frequency range:	531 kHz – 1 602 kHz
Usable sensitivity:	28 dB/ μ V (S/N 20 dB)

CD player (only for CQ-RXBT490W)

Sampling frequency:	8 times oversampling
DA converter:	1 bit DAC System
Pick-up type:	Astigma 3-beam
Light source:	Semiconductor laser
Wavelength:	790 nm
Frequency response:	20 Hz – 20 kHz (\pm 1 dB)
Signal to noise ratio:	96 dB
Total harmonic distortion:	0.01 % (1 kHz)
Wow and flutter:	Below measurable limits
Channel separation:	75 dB

Bluetooth®

Communication	
Frequency:	2 402 MHz – 2 480 MHz
Number of Channels:	79 Channels
Communication Mode:	Frequency Hopped Spread Spectrum Communication
RF Output:	0 dBm (0.8 mW)
Service Area:	Within 10 m
Applicable Bluetooth®	
Version:	Version 2.1 + EDR

Bluetooth QD ID B016993.

Notes:

- Specifications and design are subject to modification without notice due to improvements.
- Some figures and illustrations in this manual may be different from your product.

CQ-RXBT490W/CR-LXBT490W Bluetooth® Device Compatibility List

Remark in list:

- : Supported.
 △ : NOT Supported by Bluetooth® device.
 ※ : Need to be verified.
 OPP : Phonebook download via Object Push Profile.

Note: Devices no listed have not yet been tested.
 Please consult your local dealer to verify compatibility of your device.

Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book
Apple	iPhone	○	○	○	※
Apple	iPhone 3G 8G	○	○	○	○
Apple	iPhone 3GS 16G	○	○	○	○
Apple	iPhone 4	○	○	○	○
Apple	iPad 2	△	○	○	△
ASUS	V80	○	△	△	○
BENQ	CF61	○	△	△	※
BENQ	CL71	○	△	△	※
BENQ	M315	○	△	△	※
BENQ	M580	○	△	△	※
BENQ-Simens	EL71	○	△	△	○
BENQ-Simens	S68	○	△	△	○
BIRD	D600	○	※	※	※
Blackberry	7290	○	※	※	※
Blackberry	Pearl 8100	○	○	○	○
Blackberry	Pearl 8110	○	○	○	○
Blackberry	Pearl 8120	○	○	○	○
Blackberry	Curve 8300	○	○	○	○
Blackberry	Curve 8310	○	○	○	○
Blackberry	Curve 8320	○	○	○	○
Blackberry	8820	○	○	○	○
Blackberry	8830	○	○	○	○
Blackberry	Bold 9000	○	○	○	○
Blackberry	Bold 9500	○	○	○	○
Dopod	828	○	※	※	※
Dopod	900	○	※	※	※
Dopod	CHT 9000	○	○	○	※
Dopod	CHT 9100	○	○	○	※
Dopod	Magic (HTC Magic)	○	○	○	○
Dopod	P800 (HTC P3300)	○	○	○	○
Dopod	P800w (HTC P3300)	○	○	○	○
Dopod	S1	○	○	○	○
Dopod	S300	○	※	※	※
Dopod	S600 (HTC P5500)	○	○	○	○
Dopod	S900(Touch Diamond)	○	○	○	○
Emobile Emonster Lite	S12HT	○	○	○	○
ETEN	M600+	○	※	※	※
Google	Nexus One	○	○	○	○
Garmin asus	G60	○	○	○	○

Appendix (continued)

Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book	Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book
Hewlett-Packard	iPAQ 6510 (HTC Beetles)	○	○	○	✱	LG	HB620T	○	○	○	✱
Hewlett-Packard	iPAQ 6515 (HTC Beetles)	○	○	○	✱	LG	KB620	○	○	○	✱
HTC	A61XX (HTC Magic)	○	○	○	○	LG	KC550	○	○	○	○
HTC	Desire	○	○	○	○	LG	KE770	○	○	○	○
HTC	Desire S	○	○	○	○	LG	KE820	○	○	○	△
HTC	Desire HD	○	○	○	○	LG	KE970	○	○	○	○
HTC	Legend(HTC A6363)	○	○	○	○	LG	KF510	○	○	○	○
HTC	HD2	○	○	○	○	LG	KF510c	○	○	○	○
HTC	P3300 (Artemis (Cruiser))	○	○	○	○	LG	KF510d	○	○	○	○
HTC	P3301 (HTC P3300)	○	○	○	○	LG	KF750	○	○	○	OPP
HTC	P3450 (ELF)	○	○	○	○	LG	KG320	○	△	△	✱
HTC	P3700 (c (Victor))	○	○	○	○	LG	KG800	○	△	△	✱
HTC	P3701 (HTC P3700)	○	○	○	○	LG	KP500	○	○	○	△
HTC	P3702 (HTC P3700)	○	○	○	○	LG	KP500N	○	○	○	△
HTC	P4000 (Titan)	○	○	○	○	LG	KP505	○	○	○	△
HTC	P5500 (NIKI)	○	○	○	○	LG	KP570	○	○	○	△
HTC	P5520 (HTC P5500)	○	○	○	○	LG	KU380	○	△	△	✱
HTC	Sensation (Z710e)	○	○	○	○	LG	KU970	○	○	○	✱
HTC	Ted Baker Needle (HTC P3450)	○	○	○	○	LG	KU990R	○	○	○	OPP
HTC	Touch (HTC P3450)	○	○	○	○	LG	KU990	○	○	○	OPP
HTC	Touch Diamond P3702 (HTC P3700)	○	○	○	○	LG	L-07C	○	○	○	○
HTC	Touch Diamond P3702	○	○	○	○	LG	LX570 Muziq	○	✱		✱
HTC	Touch Diamond (White)	○	○	○	○	LG	M6100	○	△	△	✱
HTC	Touch Dual (HTC)	○	○	○	○	LG	P7200	○	△	△	✱
HTC	Magic (Sapphire)	○	○	○	○	LG	P970	○	○	○	○
HTC	Wildfire (HTC P3333)	○	○	○	○	LG	P970G	○	○	○	○
LG	C3380	○	△	△	✱	LG	P970H	○	○	○	○
LG	CE110	○	△	△	✱	LG	P990 (Optimus 2X)	○	○	○	○
LG	CU515	○	○	○	✱	LG	VX8800 Venus	○	○	○	○
LG	CU575 Trax	○	○	○	✱	Motorola	A780	○	△	△	✱
LG	F2500	○	✱	✱	✱	Motorola	A1200	○	○	○	✱
LG	GM630	○	○	○	✱	Motorola	A1210	○	△	△	✱
LG	HB620	○	○	○	✱	Motorola	A1800 (Greatwall) (Ming 1800)	○	○	○	✱
						Motorola	E1070	○	○	○	✱
						Motorola	E398	○	△	△	○
						Motorola	E6 (ROKR E6)	○	○	○	✱
						Motorola	E680i	○	○	○	○
						Motorola	K1	○	○	○	○
						Motorola	K1m (KRZR K1m)	○	△	△	○
						Motorola	K3	○	○	○	○
						Motorola	L6	○	△	△	○
						Motorola	MB502	○	○	○	○
						Motorola	MB508	○	○	○	○
						Motorola	MB511 (Flipout)	○	○	○	○
						Motorola	MB520	○	○	○	○
						Motorola	MB525 (Defy)	○	○	○	○

Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book	Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book
Motorola	MPX 220	○	△	△	OPP	Nokia	5330	○	○	○	○
Motorola	Milestone 2	○	○	○	○	Nokia	5320	○	○	○	○
Motorola	Q	○	○	○	○	Nokia	XpressMusic	○	○	○	○
Motorola	Q700 Zante	○	△	△	○	Nokia	5610d-1 (5610 XpressMusic)	○	○	○	○
Motorola	Q 9c	○	○	○	○	Nokia	5630	○	○	○	○
Motorola	Q 9m	○	○	○	○	Nokia	5700 XpressMusic	○	○	○	○
Motorola	XT701	○	○	○	○	Nokia	5800 XpressMusic	○	○	○	○
Motorola	U9	○	○	○	○	Nokia	5800d-1	○	○	○	○
Motorola	V1100 (Maxx V1100)	○	○	○	○	Nokia	5800d-1b	○	○	○	○
Motorola	V360	○	△	△	○	Nokia	6085	○	○	○	○
Motorola	V361	○	△	△	○	Nokia	6086	○	*	*	○
Motorola	V3i	○	△	△	○	Nokia	6103	○	△	△	*
Motorola	V3x	○	○	○	○	Nokia	6110 Navigator	○	○	○	○
Motorola	V3xx (Maxx V3)	○	○	○	○	Nokia	6111	○	△	△	○
Motorola	V501	○	*	*	*	Nokia	6120c (6120 classic)	○	○	○	○
Motorola	V6 (Maxx V6)	○	○	○	○	Nokia	6125	○	△	△	○
Motorola	V600i	○	△	△	○	Nokia	6131	○	○	○	○
Motorola	V635	○	△	△	○	Nokia	6151	○	△	△	○
Motorola	V750	○	○	○	○	Nokia	6120c-1	○	○	○	○
Motorola	V8	○	○	○	○	Nokia	6124c (6124 classic)	○	○	○	○
Motorola	V80	○	△	△	○	Nokia	6210s (6210 Navigator)	○	○	○	○
Motorola	V9	○	○	○	○	Nokia	6220c	○	○	○	○
Motorola	W510	○	○	○	○	Nokia	6223	○	*	*	○
Motorola	W755	○	○	○	○	Nokia	6230	○	△	△	*
Motorola	Z6m (ROKR Z6m)	○	○	○	○	Nokia	6230i	○	△	△	○
Motorola	Z8 (RAZR Z8)	○	○	○	*	Nokia	6233	○	○	○	○
Motorola	ZN200	○	○	○	OPP	Nokia	6260	○	△	△	○
NEC	N500is	○	△	△	*	Nokia	6280	○	○	○	○
Nokia	2600c-2	○	△	△	○	Nokia	6300	○	○	○	○
Nokia	2660	○	△	△	○	Nokia	6300i	○	○	○	○
Nokia	2630	○	○	○	*	Nokia	6310	○	△	△	○
Nokia	2710c	○	○	○	○	Nokia	6310i	○	△	△	○
Nokia	2760	○	○	○	○	Nokia	6500c (6500 classic)	○	○	○	○
Nokia	3110c	○	○	○	○	Nokia	6500 slide	○	○	○	○
Nokia	3120c-1c	○	○	○	○	Nokia	6600	○	△	△	*
Nokia	3250	○	△	△	*	Nokia	6600f-1 (6600 fold)	○	○	○	○
Nokia	3500c	○	○	○	○	Nokia	6600 slide	○	○	○	○
Nokia	3600s	○	○	○	○	Nokia	6630	○	△	△	*
Nokia	3650	○	△	△	*	Nokia	6670	○	△	△	*
Nokia	5200	○	○	○	○	Nokia	6680	○	△	△	*
Nokia	5220 XpressMusic	○	○	○	○	Nokia	6700s	○	○	○	○
Nokia	5228	○	○	○	○	Nokia	6702s	○	○	○	○
Nokia	5230	○	○	○	○	Nokia	6820	○	*	*	*
Nokia	5232	○	○	○	○	Nokia	7100s	○	○	○	○
Nokia	5236	○	○	○	○	Nokia	7210c	○	○	○	○
Nokia	5238	○	○	○	○	Nokia	7230	○	○	○	○
Nokia	5250	○	○	○	○						
Nokia	5300	○	○	○	○						
Nokia	5310 XpressMusic	○	○	○	○						

Appendix (continued)

Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book	Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book
Nokia	7280	○	△	△	○	02	Xda Diamond (HTC P3700)	○	○	○	○
Nokia	7310c (7310 Supernova)	○	○	○	○	02	Xda Diamond Pro (HTC P4600)	○	○	○	○
Nokia	7370	○	△	△	○	02	Xda Ignito (HTC P3700)	○	○	○	○
Nokia	7390	○	○	○	○	02	Xda Orbit (HTC P3300)	○	○	○	○
Nokia	7600	○	△	△	※	02	Xda Star	○	○	○	○
Nokia	7610	○	△	△	※	02	Xda Zinc	○	○	○	○
Nokia	8910i	○	△	△	○	OKWAP	A232	○	△	△	※
Nokia	9300	○	△	△	※	Orange	HTC Touch Dual (HTC P5500)	○	○	○	○
Nokia	C2-01	○	○	○	○	Orange	HTC Touch Diamond	○	○	○	○
Nokia	C5-00	○	○	○	○	Orange	HTC Touch P3450 (HTC SPV M650 (HTC P3300)	○	○	○	○
Nokia	C5-03	○	○	○	○	Orange	Treo 680	○	○	○	※
Nokia	C6-00	○	○	○	○	Palm	Treo 700w	○	○	○	※
Nokia	C6-01	○	○	○	○	Palm	Treo 700wx	○	○	○	※
Nokia	C6-01.3	○	○	○	○	Pantech	C150	○	※	※	※
Nokia	C7-00	○	○	○	○	Pantech	C810 Duo	○	○	○	※
Nokia	E52-2	○	○	○	○	Panasonic	VS6	○	△	△	○
Nokia	E6-00	○	○	○	○	Panasonic	X70	○	△	△	※
Nokia	E61-1	○	△	△	○	Panasonic	X700	○	※	※	※
Nokia	E63	○	○	○	○	Panasonic	X800	○	△	△	※
Nokia	E65-1	○	△	△	※	PHILIPS	768	○	△	△	○
Nokia	E66-1	○	○	○	○	PHILIPS	X710	○	○	○	○
Nokia	E7-00	○	○	○	○	Samsung	Galaxy Tab	○	○	○	○
Nokia	E70-1	○	△	△	○	Samsung	SGH-D500	○	△	△	OPP
Nokia	E71-1	○	○	○	○	Samsung	SGH-D508	○	△	△	OPP
Nokia	E72	○	○	○	○	Samsung	SGH-D528	○	※	※	○
Nokia	N70-1	○	△	△	○	Samsung	SGH-D600	○	○	○	※
Nokia	N71	※	△	△	※	Samsung	SGH-D608	○	○	○	※
Nokia	N73-1	○	△	△	○	Samsung	SGH-D808	○	※	※	※
Nokia	N76	○	○	○	○	Samsung	SGH-D838	○	※	※	※
Nokia	N78	○	○	○	○	Samsung	SGH-D900i	○	○	○	○
Nokia	N79	○	○	○	○	Samsung	SGH-D908i	○	○	○	○
Nokia	N8-00	○	○	○	○	Samsung	SGH-E250	○	○	○	○
Nokia	N80	○	△	△	※	Samsung	SGH-E258	○	○	○	○
Nokia	N81	○	○	○	○	Samsung	SGH-E378	○	※	※	※
Nokia	N82	○	○	○	○	Samsung	SGH-E568	○	※	※	○
Nokia	N900	○	○	○	○	Samsung	SGH-E628	○	※	※	○
Nokia	N90-1	○	△	△	※	Samsung	SGH-E738	○	△	△	※
Nokia	N91-1	○	△	△	○	Samsung	SGH-E898	○	○	○	○
Nokia	N95-1	○	○	○	○	Samsung	SGH-E908	○	※	※	○
Nokia	N95-2 (8G)	○	○	○	○	Samsung	SGH-E950	○	○	○	○
Nokia	N96	○	○	○	○	Samsung	SGH-E958	○	○	○	○
Nokia	N97	○	○	○	○	Samsung	SGH-F250	○	○	○	○
Nokia	X3-00	○	○	○	○	Samsung	SGH-F250L	○	○	○	○
Nokia	X5-01	○	○	○	○	Samsung	SGH-F258 (SGH-F250)	○	○	○	○
Nokia	X6-00	○	○	○	○						
Nokia	X7-00	○	○	○	○						
NTT DoCoMo	PRO series HT-03A (HTC Magic)	○	○	○	○						
02	Nova (HTC P3450)	○	○	○	○						
02	Xda Atom (Quanta Atom)	○	○	○	※						

Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book	Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book
Samsung	SGH-F308	○	○	○	○	SANYO	M1	○	○	○	○
Samsung	SGH-F480	○	○	○	○	SANYO	SCP-8400	○	△	△	○
Samsung	SGH-F480T	○	○	○	○	SFR	HTC Touch Dual (HTC P5500)	○	○	○	○
Samsung	SGH-F480V	○	○	○	○	Sharp	703H (SX313) (WX-T71)	○	△	△	○
Samsung	SGH-F488	○	○	○	○	Sharp	903H (SX833) (WX-T91)	○	△	△	○
Samsung	SGH-F490	○	○	○	○	Sharp	GX-T15	○	△	△	*
Samsung	SGH-F490V	○	○	○	○	Sharp	GX-T17	○	△	△	*
Samsung	SGH-G800	○	○	○	*	Siemens	CX75	○	△	△	○
Samsung	SGH-G810	○	○	○	○	Siemens	S55	○	△	△	○
Samsung	SGH-i608	○	○	○	*	Siemens	S65	○	△	△	○
Samsung	SGH-i900 OMNIA	○	○	○	○	Siemens	SK65	○	△	△	○
Samsung	SGH-J206	○	*	*	○	Siemens	SX1	○	△	△	*
Samsung	SGH-J608	○	△	△	○	Sony Ericsson	C702x	○	○	○	○
Samsung	SGH-J630	○	○	○	○	Sony Ericsson	C902x	○	○	○	○
Samsung	SGH-J638	○	○	○	○	Sony Ericsson	C905	○	○	○	○
Samsung	SGH-J700	○	○	○	○	Sony Ericsson	F305	○	○	○	○
Samsung	SGH-J700L	○	○	○	○	Sony Ericsson	G700	○	○	○	○
Samsung	SGH-J700V	○	○	○	○	Sony Ericsson	G900	○	○	○	○
Samsung	SGH-J706	○	○	○	○	Sony Ericsson	K330x	○	△	△	○
Samsung	SGH-J708	○	○	○	○	Sony Ericsson	K510x	○	△	△	○
Samsung	SGH-L760	○	○	○	○	Sony Ericsson	K530x	○	○	○	○
Samsung	SGH-L760V	○	○	○	○	Sony Ericsson	K550x	○	○	○	○
Samsung	SGH-L768	○	○	○	○	Sony Ericsson	K600i	○	△	△	○
Samsung	SGH-L870	○	○	○	○	Sony Ericsson	K608i	○	△	△	○
Samsung	SGH-P858	○	○	○	*	Sony Ericsson	K610im	○	○	○	○
Samsung	SGH-T409	○	△	△	*	Sony Ericsson	K660i	○	○	○	○
Samsung	SGH-T539 Beat	○	○	○	○	Sony Ericsson	K700i	○	△	△	○
Samsung	SGH-T629	○	△	△	○	Sony Ericsson	K750c	○	△	△	○
Samsung	SGH-U700	○	○	○	○	Sony Ericsson	K750i	○	△	△	○
Samsung	SGH-U700V	○	○	○	○	Sony Ericsson	K770x	○	○	○	○
Samsung	SGH-U708	○	○	○	○	Sony Ericsson	K800x	○	○	○	○
Samsung	SGH-U800	○	○	○	○	Sony Ericsson	K810x	○	○	○	○
Samsung	SGH-U808	○	○	○	○	Sony Ericsson	K850i	○	○	○	○
Samsung	SGH-U900	○	○	○	○	Sony Ericsson	M600x	○	○	○	○
Samsung	SGH-U900L	○	○	○	○	Sony Ericsson	P1x	○	○	○	○
Samsung	SGH-U908E	○	○	○	○	Sony Ericsson	S312	○	○	○	○
Samsung	SGH-X808	○	*	*	*	Sony Ericsson	S500x	○	○	○	○
Samsung	SGH-Z238	○	*	*	*	Sony Ericsson	T280x	○	△	△	○
Samsung	SGH-Z248	○	*	*	*	Sony Ericsson	T303x	○	△	△	○
Samsung	SPH-M520	○	○	○	○	Sony Ericsson	T610	○	△	△	○
Samsung	GT-C3050C	○	○	○	○	Sony Ericsson	T630	○	△	△	○
Samsung	GT-i5800	○	○	○	○	Sony Ericsson	T650x	○	○	○	○
Samsung	GT-i5800L	○	○	○	○	Sony Ericsson	T68i	○	△	△	○
Samsung	GT-i5801 (Galaxy 580)	○	○	○	○	Sony Ericsson	T707	○	○	○	○
Samsung	GT-i9000	○	○	○	○	Sony Ericsson	W205	○	△	△	○
Samsung	GT-S3650	○	○	○	○	Sony Ericsson	W300x	○	△	△	○
Samsung	GT-S3650C	○	○	○	○	Sony Ericsson	W350x	○	○	○	○
Samsung	GT-S3653	○	○	○	○	Sony Ericsson	W380x	○	○	○	○
Samsung	GT-S5230	○	○	○	○	Sony Ericsson	W395	○	○	○	○
Samsung	GT-S5230C	○	○	○	○	Sony Ericsson	W508	○	○	○	○
SANYO	KATANA II	○	△	△	△	Sony Ericsson	W550x	○	△	△	○

Appendix (continued)

Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book	Brand	Model	Hands-Free (Unit)	A2DP (Sink)	AVRCP (Controller)	Phone Book
Sony Ericsson	W580x	○	○	○	○	Vodafone	1210(VDA IV)	○	○	○	○
Sony Ericsson	W595	○	○	○	○	Vodafone	HTC Magic (HTC Magic)	○	○	○	○
Sony Ericsson	W660x	○	○	○	○	Vodafone	HTC Touch Diamond (HTC P3700)	○	○	○	○
Sony Ericsson	W700i	○	△	△	○	Vodafone	HTC Touch Dual (HTC P5500)	○	○	○	○
Sony Ericsson	W710x	○	○	○	○	Vodafone	VPA Touch (HTC P3450)	○	○	○	○
Sony Ericsson	W760x	○	○	○	○						
Sony Ericsson	W800i	○	△	△	○						
Sony Ericsson	W810x	○	△	△	○						
Sony Ericsson	W850x	○	○	○	○						
Sony Ericsson	W880x	○	○	○	○						
Sony Ericsson	W890i	○	○	○	○						
Sony Ericsson	W902	○	○	○	○						
Sony Ericsson	W910i	○	○	○	○						
Sony Ericsson	W950x	○	○	○	○						
Sony Ericsson	W980x	○	○	○	○						
Sony Ericsson	X10	○	△	○	○						
Sony Ericsson	Xperia Arc	○	○	○	○						
Sony Ericsson	Xperia Neo	○	○	○	○						
Sony Ericsson	Xperia Ray	○	○	○	○						
Sony Ericsson	Xperia Mini	○	○	○	○						
Sony Ericsson	Xperia Mini Pro	○	○	○	○						
Sony Ericsson	Z520i	○	△	△	○						
Sony Ericsson	Z550x	○	△	△	○						
Sony Ericsson	Z555x	○	○	○	○						
Sony Ericsson	Z558i	○	△	△	○						
Sony Ericsson	Z600	○	△	△	○						
Sony Ericsson	Z610x	○	○	○	○						
Sony Ericsson	Z710x	○	○	○	○						
Sony Ericsson	Z750i	○	○	○	○						
Sony Ericsson	Z800i	○	△	△	○						
Swisscom	HTC Touch Diamond	○	○	○	○						
Swisscom	HTC Touch Diamond (HTC P3700)	○	○	○	○						
T-Mobile	MDA Compact III (HTC P3300)	○	○	○	○						
T-Mobile	MDA Compact IV (HTC P3700)	○	○	○	○						
T-Mobile	Dash (HTC S620)	○	*	*	*						
T-Mobile	MDA Touch Plus (HTC P5500)	○	○	○	○						
T-Mobile	MDA Touch (HTC P3450)	○	○	○	○						
T-Mobile	MDA Vario IV (HTC Touch Pro)	○	○	○	○						
T-Mobile	myTouch3D (HTC Magic)	○	○	○	○						
Toshiba	TS30	○	*	*	○						
Toshiba	803	○	△	△	*						
Toshiba	809	○	△	△	*						

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