

# Panasonic®

Removable Front Panel CD Player/Receiver  
CD-плеер/ресивер со съемной передней панелью

## CQ-C1110W/C1100W



(CQ-C1110W)

### Operating Instructions ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ



**Matsushita Electric Industrial Co., Ltd.**

Web site: <http://www.panasonic.co.jp/global/>

COMPACT  
disc  
DIGITAL AUDIO

- Please read these instructions carefully before using this product and keep this manual for future reference.
- Перед началом эксплуатации прибора просим тщательно изучить настоящую инструкцию и сохранить ее на пользование на будущее.

YFM284C405ZA TAMACO0104-0 Printed in China

# Safety information

## Информация для безопасности

**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE INCLUDED COMPONENTS.**

Чтобы избежать риска пожара или электрошока, используйте только компоненты, входящие в комплект.

**WARNING:**  
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE.

**ПРЕДУПРЕЖДЕНИЕ:**  
ДЛЯ УМЕНЬШЕНИЯ РИСКА ПОЖАРА, УДАРА ТОКА ИЛИ ПОВРЕЖДЕНИЯ ЗАЩИТИТЬ АППАРАТ ОТ ПОПАДАНИЯ ДОЖДЯ, БРЫЗГ, КАПЕЛЬ И ВЛАГИ.

**CAUTION!**  
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.

**ВНИМАНИЕ!**  
НАСТОЯЩЕЕ ИЗДЕЛИЕ ПРЕДСТАВЛЯЕТ СОБОЙ ЛАЗЕР КЛАССА I. ПОПЫТКА УПРАВЛЕНИЯ, РЕГУЛИРОВКИ ИЛИ ДЕЙСТВИЯ, КОТОРЫЕ НЕ ОГОВОРЕНЫ НИЖЕ, МОЖЕТ ПОВЛЕЧЬ ЗА СОБОЙ ОБЛУЧЕНИЕ РАДИАЦИЕЙ. ЗАПРЕЩЕНО ОТКРЫВАТЬ КРЫШКИ АППАРАТА И ПРОВОДИТЬ САМОСТОЯТЕЛЬНЫЙ РЕМОНТ. СЛЕДУЕТ ОБРАТИТЬСЯ К КВАЛИФИЦИРОВАННОМУ ПЕРСОНАЛУ.



“Установленный производителем в порядке п.2 ст.5 Федерального Закона РФ “О защите прав потребителей” срок службы для данного изделия равен 7 годам с даты производства при условии, что изделие используется в строгом соответствии с настоящей инструкцией по эксплуатации и применимыми техническими стандартами.”

<b>Contents</b>	Page
Safety information .....	2
Contents .....	3
Precautions .....	4
Features .....	4
Accessories .....	5
Differences between 2 models .....	5
Recommended optional systems .....	5
General .....	6
Clock setting .....	7
Radio .....	8
CD player .....	10
Anti-Theft system .....	12
Installation .....	13
Electrical connections .....	16
Speaker connections .....	18
Fuse .....	18
Remote control unit (only for CQ-C1110W) .....	19
Troubleshooting .....	20
Maintenance .....	24
Specifications .....	25

<b>Содержание</b>	Страница
Информация для безопасности .....	2
Содержание .....	3
Инструктивные указания .....	26
Отличительные черты .....	26
Аксессуары .....	27
Отличия двух моделей .....	27
Рекомендуемые опционные системы .....	27
Общие сведения .....	28
Регулировка часов .....	29
Радиоприемник .....	30
CD плеер .....	32
Система предотвращения кражи .....	34
Установка .....	35
Схема электрических соединений .....	38
Подключение громкоговорителей .....	40
Плавкий предохранитель .....	40
Пульт дистанционного управления (только для мод. CQ-C1110W) .....	41
Дефектовка .....	42
Техническое обслуживание .....	46
Технические характеристики .....	47

*Panasonic welcomes you to our ever growing family of electronic product owners. We know that this product will bring you many hours of enjoyment. Our reputation is built on precise electronic and mechanical engineering, manufactured with carefully selected components and assembled by people who take pride in their work. Once you discover the quality, reliability, and value we have built into this product, you too will be proud to be a member of our family.*

## Precautions

### When driving

Keep the volume level low enough to be aware of road and traffic conditions.

### When washing your car

Do not expose the product, including the speakers and CDs, to water or excessive moisture. This could cause electrical shorts, fire, or other damage.

### When parked

Parking in direct sunlight can produce very high temperatures inside your car. Give the interior a chance to cool down before switching the unit on.

### Use the proper power supply

This product is designed to operate with a 12 V DC, negative ground battery system (the normal system in a North American car).

### Disc mechanism

Do not insert coins or any small objects. Keep screwdrivers and other metallic objects away from the disc mechanism and disc.

### For installation

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


## Features

- CD-R/CD-RW playable
- New simple-setting tone control "SQ" (⇒ page 6)
- 4-channel high power amplifier (45 W x 4 max.)
- 2.5 V preamplifier outputs (rear)
- 18 FM and 6 AM presets with preset scan (⇒ page 9)
- Anti-Theft system provided by the removable faceplate (⇒ page 12)


## Accessories

- The numbers in parentheses indicate order numbers. In case that any of these parts is/are missing, please inform your dealer of the number(s) and its name(s).
- Accessories and their parts numbers are subject to modification without prior notice due to improvements.


**Only for CQ-C110W**




**Operating Instructions**  
(YFM284C405ZA)  
Q'ty: 1



**Removable Face Plate Case**  
(YFC054C061ZA)  
Q'ty: 1



**Remote Control Unit**  
(YEFX9992013B)  
Q'ty: 1



**CR2025 Lithium Battery**  
Q'ty: 1

- Installation Hardware..... 1 set (⇒ page 13)

## Differences between 2 models

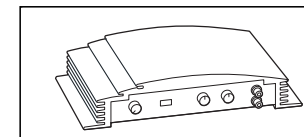
**Note:** This operating instruction manual is for 2 models **CQ-C1110W** and **CQ-C1100W**. All illustrations throughout this manual represent model **CQ-C1110W** unless otherwise specified. The following table describes the differences between 2 models.

Features		
Model	CQ-C1110W	CQ-C1100W
Remote control unit	Included	Not applicable
Body color	Plating Black	Coating Silver
Illumination color for D·M /REP/◀◀/▶▶	Blue	Red

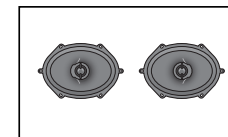
## Recommended optional systems

### How to build the optimal audio system for you ...

It is the shortcut for getting the best quality sound to use the Panasonic audio component system. For details, Please contact your local dealer or nearest Panasonic service center.



- External Amplifiers (option)  
CY-M7052



- Mobile Speaker Systems (option)  
EAK-A46, CJ-A572

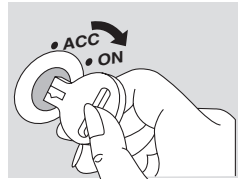
# General

## Power

Turn the key in the ignition until the accessory indicator lights.

**Power on:** Press [SRC] (POWER).

**Power off:** Press [SRC] (POWER) again and hold.



## Display change

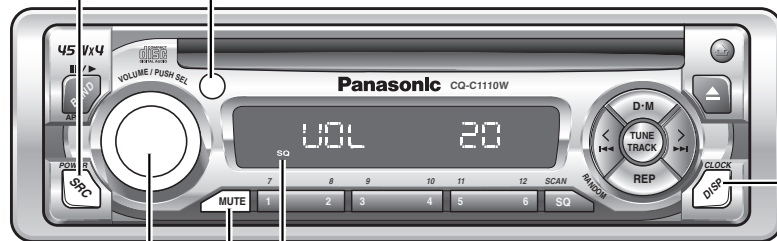
Press [DISP] (display) to switch to the clock display.

When the power is off:



**Note:** Please refer to next page when "Adj" is displayed.

Remote control sensor (⇒ page 19)  
(only for CQ-C1110W: CQ-C1100W has no remote control function.)

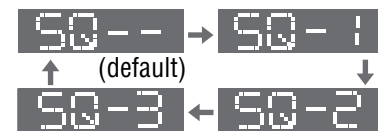


SQ indicator

## SQ (Sound Quality) SQ

SQ is a function that can call up various sound types at the touch of button in accordance with your listening music type.

Press [SQ] to select a sound type as follows:



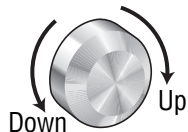
- SQ -- (default)** flat frequency response: does not emphasize.
- SQ - 1 (ROCK)** speedy and heavy sound: exaggerates bass and treble.
- SQ - 2 (POP)** wide-ranged and deep sound: slightly emphasizes bass and treble.
- SQ - 3 (VOCAL)** clear sound: emphasizes middle tone and slightly emphasizes treble.

## Volume

Turn [VOLUME] clockwise to increase volume, and counterclockwise to decrease volume.



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



## Mute

Press [MUTE] to mute the sound completely.



Mute indicator

Press [MUTE] again or turn the knob clockwise to cancel.

### Notes:

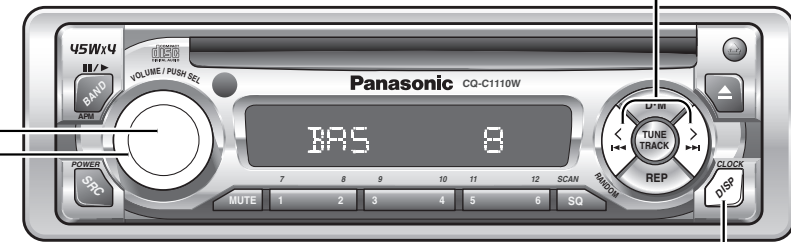
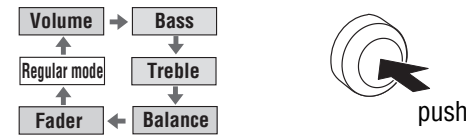
- If no operation takes place for more than 2 seconds in the SQ mode, the display returns to the regular mode.
- Settings of SQ, bass/treble are influenced one another. If the influence mentioned above causes distortion to audio signal, readjust bass/treble or volume (⇒ page 7).

**Note:** If no operation takes place for more than 5 seconds in audio mode (2 seconds in volume mode), the display returns to the regular mode.

# Clock setting

## Audio mode (Bass/Treble/Balance/Fader)

1 Push [SEL] to select the audio mode.



[DISP] (CLOCK)

2 Turn [VOLUME] clockwise to increase volume, and counterclockwise to decrease volume.

### Bass:



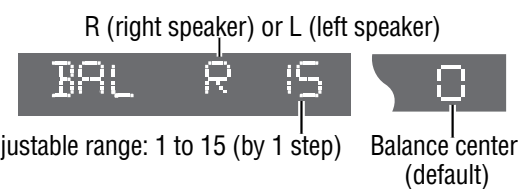
Adjustable range: -12 dB to +12 dB (by 2 dB step)

### Treble:



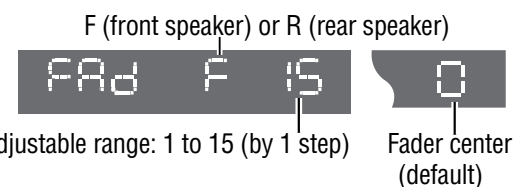
Adjustable range: -12 dB to +12 dB (by 2 dB step)

### Balance:



Adjustable range: 1 to 15 (by 1 step) Balance center (default)

### Fader:



Adjustable range: 1 to 15 (by 1 step) Fader center (default)

**Note:** If the fader is set to front, the pre-amp. output (rear) is decreased.

The 24-hour system is used for the clock.

## Initial time

1 Press [DISP] (CLOCK).



"Adj" is displayed when the clock is not adjusted.

[< TUNE], [> TUNE] (Hours, minutes)

### Hours

2 Press and hold [DISP] (CLOCK) for more than 2 seconds.



3 Press [< TUNE] or [> TUNE].



### Minutes

4 Press [DISP] (CLOCK).



5 Press [< TUNE] or [> TUNE].



6 Press [DISP] (CLOCK).



**Note:** Press and hold [< TUNE] or [> TUNE] to change numbers rapidly.

## Time reset

Press and hold [DISP] (CLOCK) for more than 2 seconds to activate the time setting mode to reset the time.

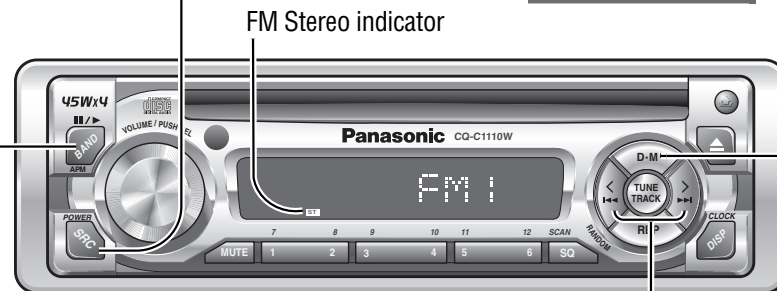
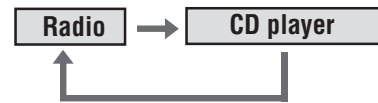
Then, repeat steps 3 to 6.

# Radio

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

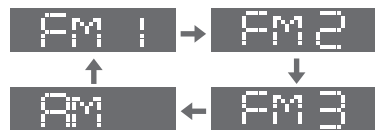
## 1 Radio mode

Press **[SRC]** (source) to change to the radio mode.



## 2 Band

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



## 3 Manual tuning

[> **TUNE**]: Higher frequency  
[< **TUNE**]: Lower frequency

### Seek tuning

Press and hold ...

[> **TUNE**]: Higher frequency  
[< **TUNE**]: Lower frequency

Tuning will automatically stop when the signals of the next broadcast station are received.

## Direct Memory (D-M)

Your favorite FM/AM radio station can be memorized in the **[D-M]** button and you can call back radio stations just by pressing the button whatever the current sound source is, even if the power is off.

Default : FM 87.5 MHz

### Recalling the direct memory

Press **[D-M]**. (Press again to cancel)

- The direct memoried station is received.



D-M indicator

### Memorize

- 1 Select the station in Radio mode (→ above)



- 2 Press and hold **[D-M]** until the Frequency display blinks.



blinks

- 3 Release **[D-M]** button. Then, new station will be over-written on existing saved station.



## Preset station setting

Up to 6 stations each can be saved in the FM1, FM2, FM3 and AM preset station memories.

**Note:** Existing saved stations are overwritten with new stations after following this procedure.

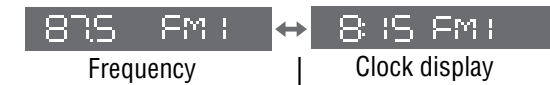
### 1 Band

Press **[BAND]** to select a desired band. (→ page 8)



## Display change

Press **[DISP]** (display) to switch to the clock display.



Frequency

Clock display

### Preset station calling

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

### 2 Auto Preset Memory (APM)

Press and hold **[BAND]** (APM: auto preset memory) for more than 2 seconds.

- The 6 stations with good reception will be automatically saved in the memory under preset buttons from **[1]** to **[6]**.
- Once set, the preset stations are sequentially scanned for 5 seconds each.

### Manual preset memory

- 1 Use manual or seek tuning to find a station. (→ page 8)

- 2 Press and hold one of the preset buttons from **[1]** to **[6]** until the display blinks once.



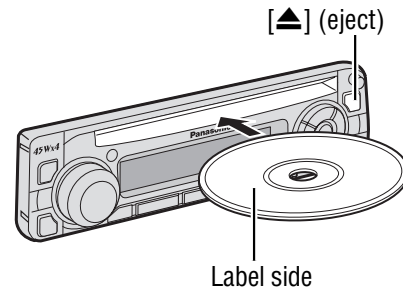
blinks once

# CD player

## Disc insert and playback

Playback will start automatically after the player recognized the loaded disc as an ordinary music CD. (When a CD-R or CD-RW which has CD-DA formatted data as the same as an ordinary music CD is loaded, this player recognizes it as an ordinary music CD.)

“LOAD” will be displayed until the disc is loaded.



LOAD

### Notes:

- Do not insert a disc when **DISC** indicator lights.
- The power will be turned on automatically when a disc is loaded.

## Stop and disc eject

Press **[▲]** (eject) to stop CD play and eject the disc. During disc ejection, “EJ” (eject) will be displayed.

## Listening to a CD

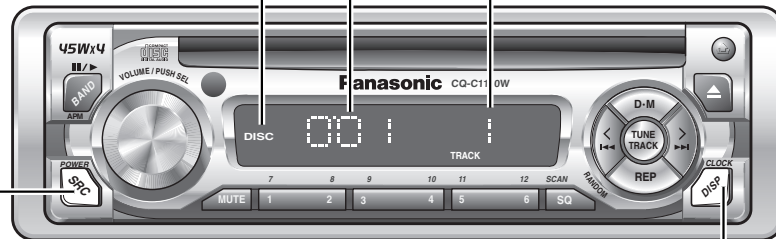
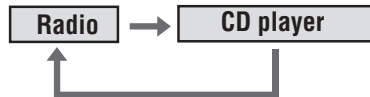
### CD player mode

Press **[SRC]** (source) to change to the CD play mode. Playback will start automatically.

**<Disc indicator> DISC**  
 • lights when the disc is loaded.  
 • Do not insert a disc when “DISC” indicator lights.

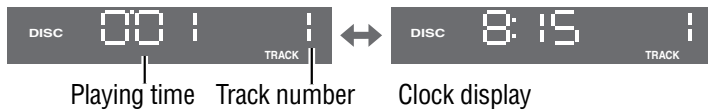
**<CD player display>**  
 Track playing time

Track number



### Display change

Press **[DISP]** (display) to switch to the clock display.



### Caution:

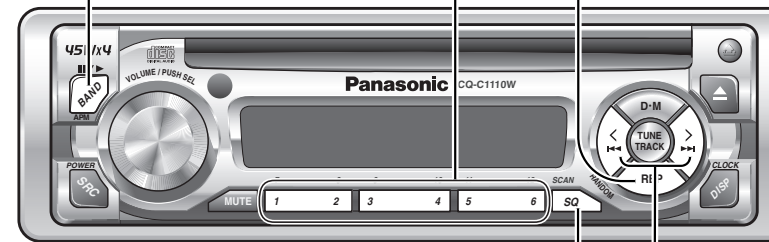
- Only 12 cm CD, CD-DA data recorded CD-R and CD-RW discs are available for this unit.
- This unit does not support CD text display.
- This unit does not support MP3/WMA disc playback.
- Refer to page 24 about notes on CD-Rs/RWs.
- This unit is not designed for any 8 cm disc.
- If you insert an 8 cm disc and can not eject it, turn ACC of your car off once and turn it on again, then press **[▲]** (eject).
- Do not use irregular shaped discs.
- Do not use discs that have a seal or label attached.
- Do not insert foreign matter into the disc slot.

## Pause (II/▶)

Press **[BAND]** (II/▶) to pause.  
 Press **[BAND]** (II/▶) again to resume the playback.

## Direct track selection

- Press a track number button from **[1]** to **[6]**. The corresponding track starts playing.
- Press and hold a track number button from **[1]** to **[6]** (**[7]** to **[12]**) for more than 2 seconds. The corresponding track starts playing.



## Track selection

- ▶▶ **TRACK**: Advance to the next track.
- ◀◀ **TRACK**: Back to the beginning of the current track. Back to the previous track. (Press twice.)

## Track search

- Press and hold ...
- ▶▶▶ **TRACK**: Fast forward
- ◀◀◀ **TRACK**: Fast backward
- Release to resume the regular play.

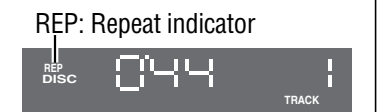
### Scan play\*1

- Press and hold **[SQ]** (**SCAN**), for more than 2 seconds. The first 10 seconds of each track on the disc are played in sequence.
- Press and hold **[SQ]** (**SCAN**) again to cancel.



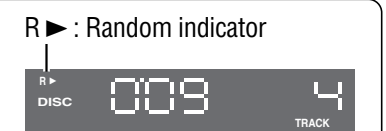
### Repeat play\*2

- Press **[REP]**. The current track is repeated.
- Press **[REP]** again to cancel.



### Random play\*3

- Press and hold **[REP]** (**RANDOM**) for more than 2 seconds. All the tracks are played in random order.
- Press and hold **[REP]** (**RANDOM**) again to cancel.



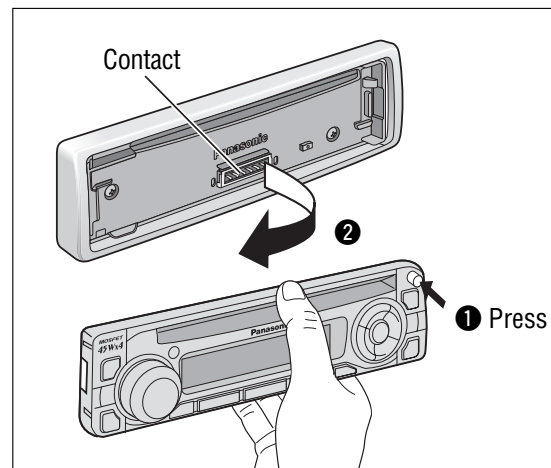
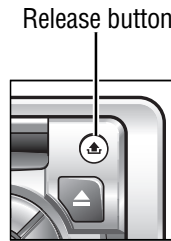
# Anti-Theft system

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

## 1 Remove the removable face plate

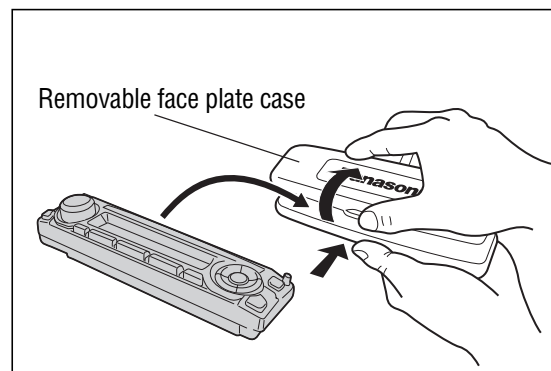
Switch off the power of the unit.

- 1 Press [↕]. The removable face plate will be opened.
- 2 Push the face plate to either the right or left.
- 3 Pull it out toward you.



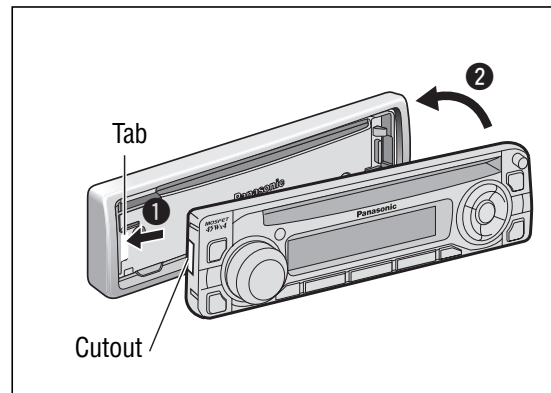
## 2 Place the removable face plate into case

- 1 Gently press the bottom of the case and open the cover. Place the face plate into the case and take it with you when you leave the car.



## Install the removable face plate

- 1 Slide the left side of the removable face plate in place.
- 2 Press the right end of the removable face plate until "click" is heard.



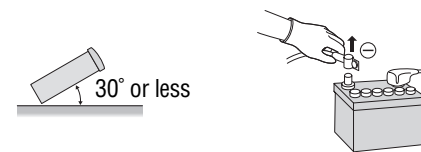
### Caution:

- This face plate is not waterproof. Do not expose it to water or excessive moisture.
- Do not remove the face plate while driving your car.
- Do not place the face plate on the dashboard or nearby areas where the temperature rises to high level.
- Do not touch the contacts on the face plate or the main unit, since this may result in poor electrical contacts.
- If dirt or other foreign substances get on the contacts, wipe them off with a clean and dry cloth.

# Installation

## Preparation

- Before installation, check the radio operation with antenna and speakers.
- Disconnect the cable from the negative (-) battery terminal (see caution below).
- Unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.
- Remove Mounting Collar ① and Trim Plate ⑦ from the main unit temporarily, which are already mounted at shipment\*.

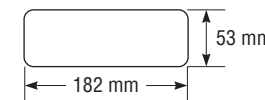


**Caution:** Various settings that have been stored in the memory in other on-board equipment (car navigation etc.) may be lost if the battery terminals are disconnected. Therefore, we recommend to make a record of or to back up the settings before disconnecting the terminals. After completing installation of the main unit, set the equipment again according to the record.

## Dashboard installation

### Installation opening

The unit can be installed in any dashboard having an opening as shown at right. The dashboard should be 4.5 mm - 6 mm thick in order to be able to support the unit.



### Installation precautions

**This product should be installed by a professional installer, if possible.**

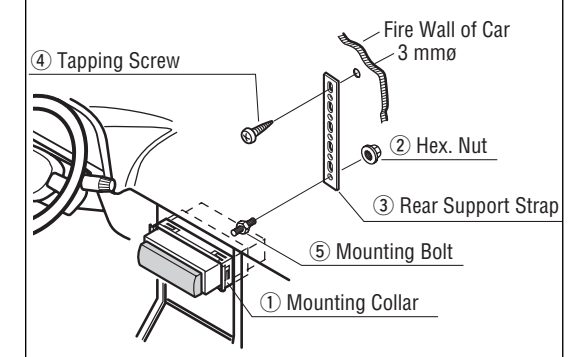
In case of difficulty, please consult your nearest authorized Panasonic Service Center.

1. This system is to be used only in a 12 V, DC battery system (car) with negative ground.
2. Follow the electrical connections carefully (→ page 16). Failure to do so may result in damage to the unit.
3. Connect the power lead (red) after all other connections are made.
4. Be sure to connect the battery lead (yellow) to the positive terminal (+) of the battery or fuse block (BAT) terminal.
5. Insulate all exposed wires to prevent short circuiting.
6. Secure all loose wires after installing the unit.
7. Please carefully read the operating and installation instructions of the respective equipment before connecting it to this unit.

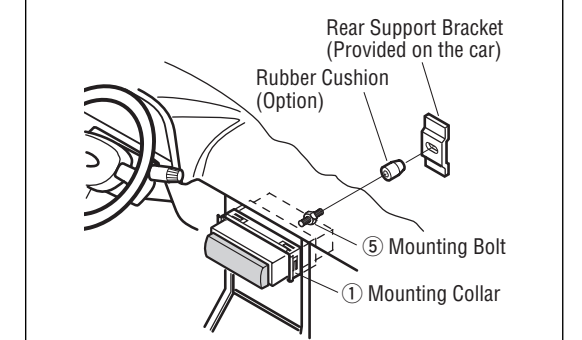
## Installation hardware

No.	Item	Diagram	Q'ty
①	Mounting Collar* (FX0214C316ZA)		1
②	Hex. Nut (5 mmø) (YJN994C002ZA)		1
③	Rear Support Strap (YFG044C002ZA)		1
④	Tapping Screw (5 mmøx16 mm) (XTT5+16AFK)		1
⑤	Mounting Bolt (5 mmø) (YEJV014C002A)		1
⑥	Power Connector (YEAJ02877)		1
⑦	Trim Plate* C1110W: (YFC054C058ZA) C1100W: (YFC054C057ZA)		1
⑧	Dismounting Plate (YFX214C323ZA)		2

### (a) Using the Rear Support Strap



### (b) Using the Rubber Cushion (option)



# Installation (Continued)

**Cautions:**

- We strongly recommend that you wear gloves for installation work to protect yourself from injuries.
- When bending the mounting tab of the mounting collar with a screwdriver, be careful not to injure your hands and fingers.

First complete the electrical connections, and then check them for correctness. (→ page 16)

**The included Mounting Collar ① is designed specially for this unit. Do not use it to attach any other model.**

**IMPORTANT**

When this unit is installed in dashboard, ensure that there is sufficient air flow around the unit to prevent damage from overheating, do not block any ventilation holes on the unit.

**1 Insert Mounting Collar ① into the dashboard, and bend the mounting tabs out with a screwdriver.**

The tabs to be bent vary depending on the car. To securely install the unit, fully bend a number of the tabs so that there is no rattling.

**Example:** Tab

**2 Establish the rear connection of the unit.**  
After fixing Mounting Bolt ⑤ and insert the Power Connector ⑥, fix the rear of the unit to the car body by either method (a) or (b) shown on the previous page.

**3 Insert Trim Plate ⑦.**

**4 After installation reconnect the negative (-) battery terminal.**

Engage the both sides Mounting Springs (\*) in the mounting holes of the Mounting Collar ① firmly.

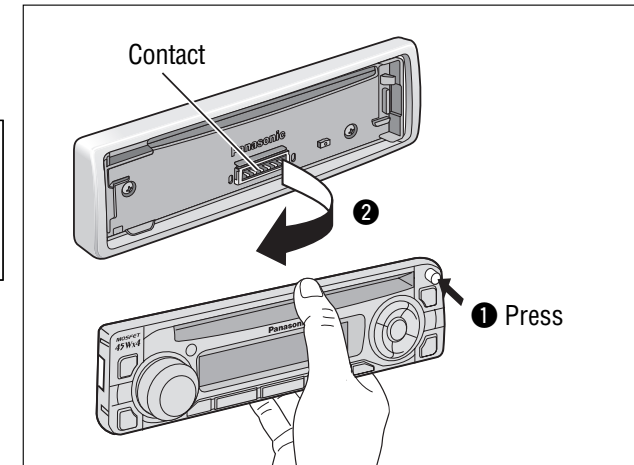
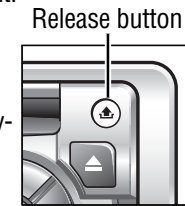
Mounting Hole

## To Remove the unit

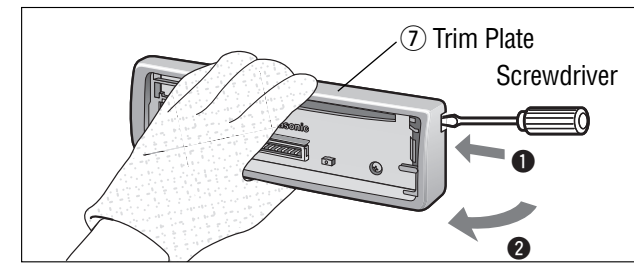
Switch off the power of the unit.

**1 Remove the Removable Face Plate.**

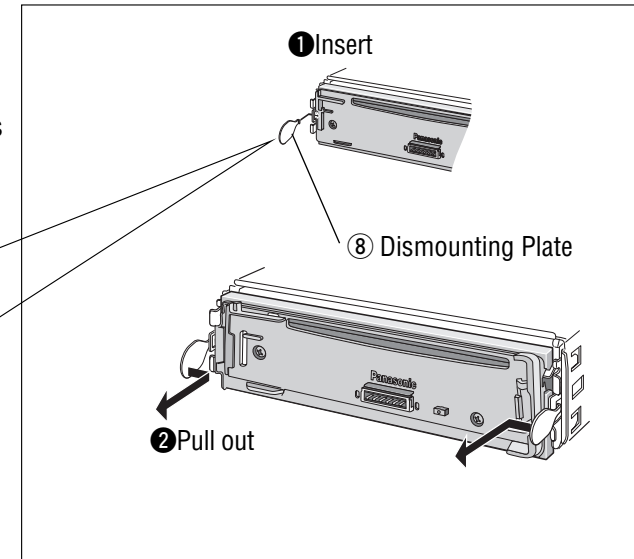
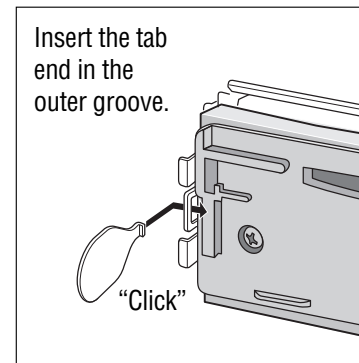
- 1 Press [↑]. The removable face plate will be opened.
- 2 Push the face plate to either the right or left.
- 3 Pull it out toward you.



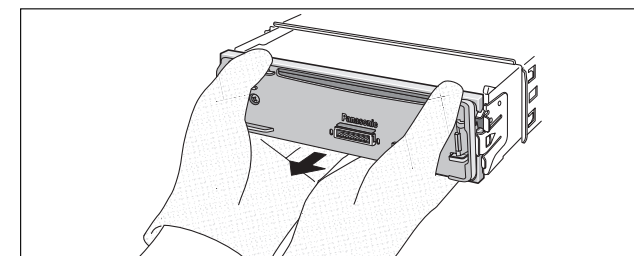
**2 Remove the Trim Plate ⑦ with a screwdriver.**



- 1 Insert the Dismounting Plate ⑧ along the grooves on both sides of the main unit until "click" is heard.
- 2 Pull out the unit while pushing the plates further inside.



**4 Remove the unit pulling with both hands.**

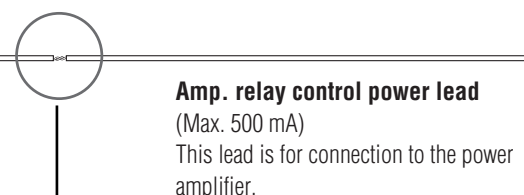
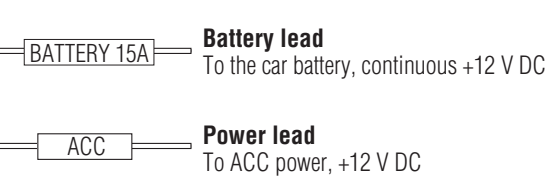
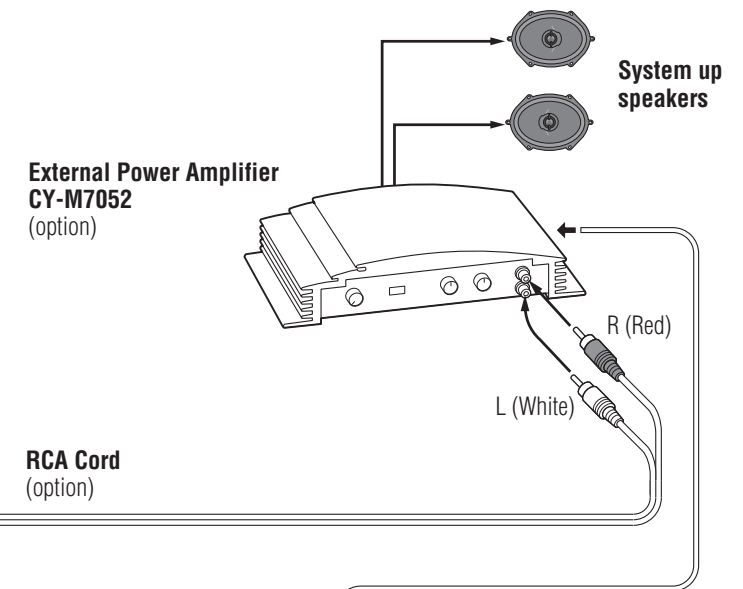
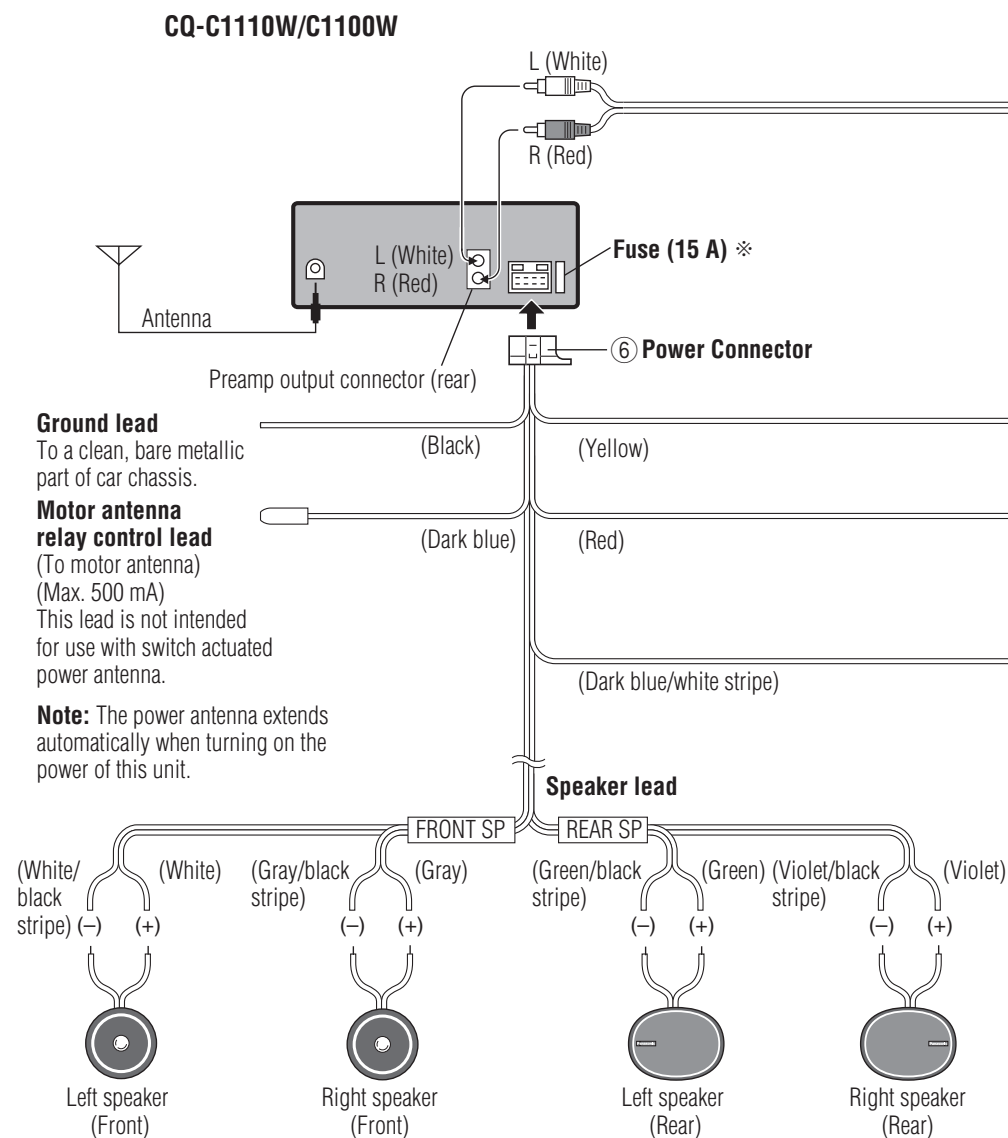




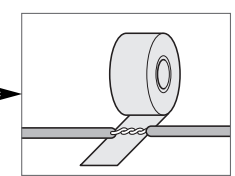
# Electrical connections

**Caution:**

- This product is designed to operate with a 12 V DC, negative ground battery system.
- To prevent damage to the unit, be sure to follow the connection diagram below.
- Strip about 5mm of the lead ends for connection.
- Do not insert the power connector into the unit until the wiring is completed.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis. Bundle all cables and keep cable terminals free from touching any metal parts.
- Remember, if your car has a drive computer or a navigation computer, the data of its memory may be erased when the battery terminals are disconnected.



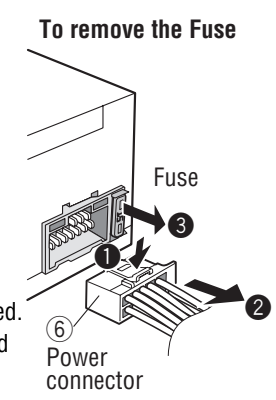
**Note:** This lead is used for power control when an external power amplifier is connected. The power supply of a power amplifier will be activated when turning on the power of this unit.



- Note:**
- Use the optional extension lead to extend the Amp. relay control power lead if needed.
  - The extension lead should be soldered and insulated with the vinyl tape.

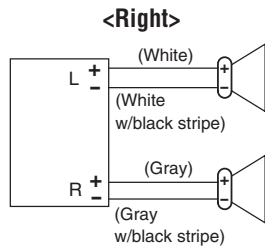
**Control power extension lead** (option)

※ If the fuse (rear panel) blows frequently, they may be something wrong with the unit or wiring. Consult your nearest Panasonic Service center for service.



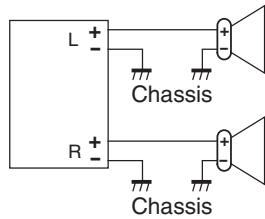
# Speaker connections

**Caution:** Please follow the instructions given below. Failure to do so will cause damage to the unit and speakers.

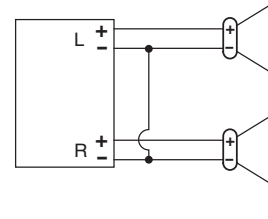


- Use ungrounded speaker only.
- The maximum speaker input should be 45 W or more. (If used with the optional power amplifier, the speaker input should be higher than the maximum amplifier output.)
- The speaker impedance should be 4 - 8 Ω.
- This unit uses the BTCL circuit, so each speaker should be connected separately using parallel vinyl insulated cords.
- The speaker cords and the power amplifier unit should be kept away (about 30 cm apart) from the antenna and antenna extension cord.

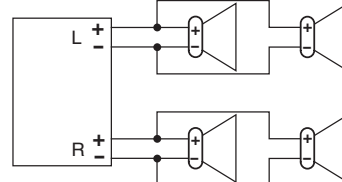
<Wrong>



- Never connect the speaker cord to the body of the car.



- Do not use a 3-wire type speaker system having a common earth lead.



- Do not connect more than one speaker to one set of speaker leads (except for connecting to a tweeter).

# Fuse

Use fuses of the same specified rating (15 A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the unit.

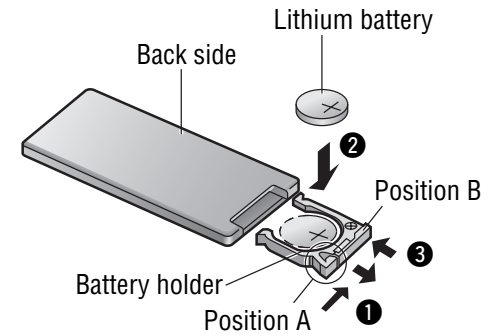
**If the fuse replacement fails, contact your nearest authorized Panasonic Service Center.**

Only for CQ-C1110W

# Remote control unit

## Battery installation

- Remove the battery holder.**  
Pull the battery holder by the position B while pushing position A in the direction indicated by the arrow.
- Install the battery on the battery holder.**  
Place a battery in the holder with its "+" side facing up as shown in the figure.
- Insert the battery holder.**  
Push the battery holder back into its original position.



## Battery notes

Remove and dispose of an old battery immediately.

Battery Information:

- Battery type: Panasonic lithium battery (CR2025)
- Battery life: Approximately 6 months with normal use (at room temperature)

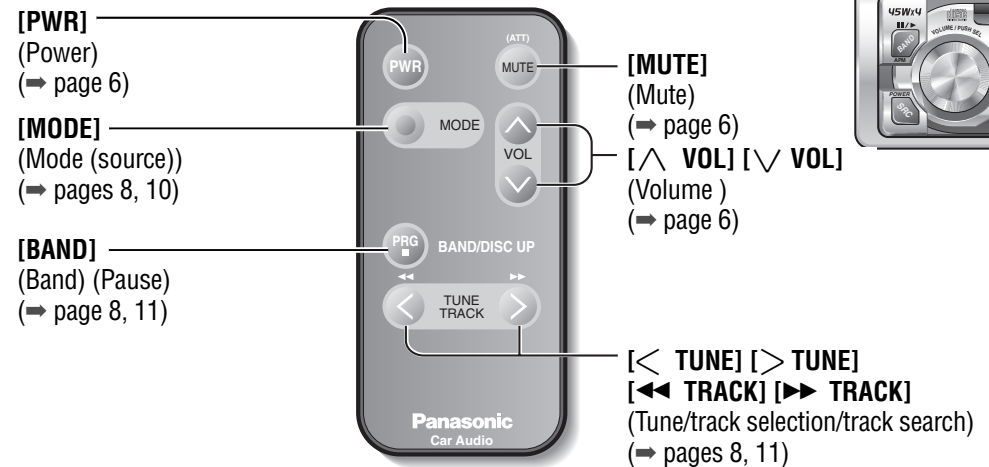
**Caution:** Improper use of batteries may cause overheating, an explosion or ignition, resulting in injury or a fire.

- Do not disassemble or short the battery. Do not throw a battery into a fire.
- Keep batteries away from children to avoid the risk of accidents.
- Be careful to observe proper local disposal rules when you dispose of batteries.

## Control reference guide

Buttons of the remote control function in the same way as the controls on the main unit of the reference page.

**Point the remote control unit at the main unit's sensor.**



**Note:** CQ-C1100W has no remote control function.

# Troubleshooting

## If you suspect something wrong

Immediately switch the power off. Disconnect the power connector and check that there is neither smoke nor heat from the unit before asking for repairs. Never try to repair the unit by yourself because it is dangerous to do so.

### Caution:

- Do not use the unit if it malfunctions or if there is something wrong.
- Do not use the unit in irregular condition, for example, without sound, or with smoke or foul smell, which can cause ignition or electric shock. Immediately stop using it and call the store where you purchased it.

## Troubleshooting tips

### Common

Problem	Possible cause ⇒ Possible solution
No power to the unit	<p>The power cord (battery, ACC and ground) is connected in the wrong way. ⇒ <b>Check the wiring.</b></p> <p>Fuse blowout ⇒ <b>Eliminate the cause of fuse blowout and replace the fuse with new one. Consult your dealer.</b></p>
Sound is not generated.	<p>MUTE is set to ON. ⇒ <b>Set MUTE to OFF.</b></p> <p>The wiring of the speaker lines are not correct, or a break or poor contact arises. ⇒ <b>Check the wiring in accordance with the wiring diagram.</b></p>
Noise	<p>There is an electromagnetic-wave generator such as a cellular phone near the unit or its electrical lines. ⇒ <b>Keep an electromagnetic-wave generator such as a cellular phone away from the unit and the wiring of the unit. In case that noise cannot be eliminated due to the wiring harness of the car, consult your dealer.</b></p> <p>The contact of the ground lead is poor. ⇒ <b>Make sure that the ground lead is connected to an unpainted part of the chassis securely.</b></p>
Noise is made in step with engine revolutions.	<p>Alternator noise comes from the car. ⇒ <b>Change the wiring position of the ground lead.</b> ⇒ <b>Mount a noise filter on the power supply.</b></p>
Some operations are not executable.	<p>Some operations are not executable in particular modes such as menu mode. ⇒ <b>Read the operating instructions carefully and cancel the mode. In case the unit is still out of order, consult your dealer.</b></p>
No sound from speaker(s)	<p>BAL/FAd setting is not appropriate. ⇒ <b>Readjust BAL/FAd.</b></p> <p>There is a break, a short circuit, poor contact or wrong wiring regarding the speaker wiring. ⇒ <b>Check the speaker wiring.</b></p>
The speaker channels are reversed between right and left.	<p>The speaker wiring is confused between right and left. ⇒ <b>Perform the speaker wiring in accordance with the wiring diagram.</b></p>
The sound field is not clear in the stereo mode. Central sound is not settled.	<p>The plus and minus terminals at right and left channels of speakers are connected reversely. ⇒ <b>Perform the speaker wiring in accordance with the wiring diagram.</b></p>

### Radio

Problem	Possible cause ⇒ Possible solution
Poor reception or noise	<p>Antenna installation or wiring of antenna cable is faulty. ⇒ <b>Check whether the antenna mounting position and its wiring are correct. In addition, check to see whether the antenna ground is securely connected to the chassis.</b></p> <p>No power is supplied to the antenna amplifier (when using a film antenna, etc.). ⇒ <b>Check the wiring of the antenna battery lead.</b></p>
The number of auto preset stations is less than 6.	<p>The number of receivable stations is less than 6. ⇒ <b>Move to an area where receivable stations number is maximum, and try presetting.</b></p>
Preset stations cannot be stored.	<p>The contact of the battery lead is poor, or the battery lead is not always powered. ⇒ <b>Make sure that the battery lead is connected securely, and preset stations again.</b></p>

### CD

Problem	Possible cause ⇒ Possible solution
No playback or disc ejected	<p>The disc is inserted upside down. ⇒ <b>Insert a disc correctly.</b></p> <p>There is a flaw or foreign material on the disc. ⇒ <b>Remove the foreign material, or use a flawless disc.</b></p>
Sound skipping or noise	<p>There is a flaw or foreign material on the disc. ⇒ <b>Remove the foreign material, or use a flawless disc.</b></p>
Sound skipping due to vibration	<p>The unit is not sufficiently secured. ⇒ <b>Secure the unit to the console box with the rear support strap, etc.</b></p> <p>The unit is tilted at over 30° in the front-to-end direction. ⇒ <b>Make the angle 30° or less.</b></p>
Disc unejectable	<p>A label is peeled off from the CD in the unit. ⇒ <b>Refer repair to the dealer where you purchased the unit.</b></p> <p>The microcontroller in the unit operates abnormally due to noise or other factors. ⇒ <b>Press the reset switch. If there is no reset switch, unplug the power cord and plug it again. In case the unit is still out of order, consult the dealer.</b></p>
The CD-R/RWs that are playable on other devices are not playable on this unit.	<p>The playability of some CD-R/RWs may depend on the combination of media, recording software and recorder to be used even if these CD-R/RWs are playable on other devices such as a PC. ⇒ <b>Make CD-R/RWs in a different combination of media, recording software and recorder after referring to the description about CD-Rs/RWs (⇒ page 24).</b></p>

# Troubleshooting (Continued)

## CD (Continued)

Problem	Possible cause → Possible solution
Time is counted but no sound comes out.	The first track of a mix mode disc was reproduced. (Mix mode is a format in which data except music is recorded on the first track and music data is recorded on other than the first track in a session.) → <b>Play back music data recorded on other than the first track.</b>
The disc has no error but no playback is made or the disc is ejected automatically.	Condensation (dew). → <b>Wait for a while before use.</b>

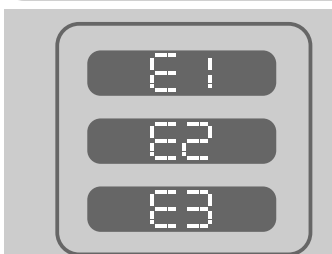


## Remote control unit

**Only for CQ-C1110W**

Trouble	Possible cause → Possible solution
Buttons are invalid for operation.	Battery polarities are reversed. → <b>Insert the battery correctly.</b>
	Wrong battery. → <b>Check the battery.</b>
	Battery has run down. → <b>Replace the battery.</b>
	Remote control unit is in the wrong direction. → <b>Direct the remote control unit at sensor on the front panel.</b>
	The sensor is exposed to direct sunlight. (The remote control may not be operable when the sensor is exposed to direct sunlight. In such a case, the system is not faulty.) → <b>Block off sunlight to the sensor.</b>

## Error display messages

### CD

Display	Possible cause → Possible solution
 <p>After 5 seconds</p>  <p>The disc is ejected automatically.</p>	<p>Disc is dirty, or is upside down.</p> <p>Disc has scratches.</p> <p>No operation by some cause.</p> <ul style="list-style-type: none"> <li>• <b>Check the disc.</b></li> <li>• <b>Load the disc again.</b></li> </ul>
	<p>No disc is in the CD player.</p> <p>→ <b>Insert disc into the CD player.</b></p>

## Product servicing

If the suggestions in the charts do not solve the problem, we recommend that you take it to your nearest authorized Panasonic Service center. The product should be serviced only by a qualified technician.

# Maintenance

## Care of the Unit

### □ Cleaning this unit

Use a dry, soft cloth to wipe.

### □ Caution on cleaning

Never use solvents such as benzine, thinner as they may mar the surface of the unit.

## Notes on Discs

**Do not play any ordinary music CDs with labels other than this one.**



### How to hold the disc

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

### Do not use irregular shaped discs.

### Do not leave discs on the following places:

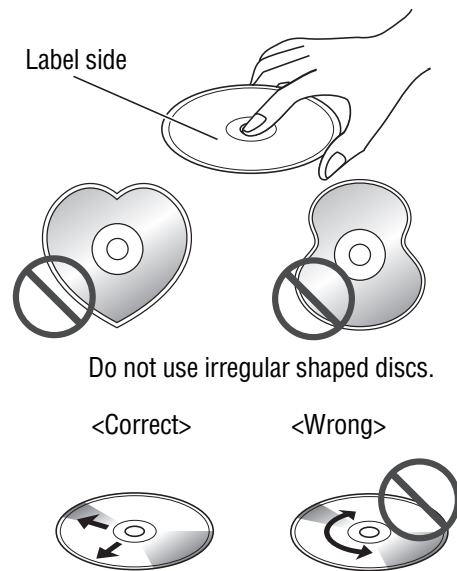
- Direct sunlight
- Near car heaters
- Dirty, dusty and damp areas
- Seats and dashboards

### Disc cleaning

Use a dry, soft cloth to wipe from the center outward.

### Do not attach any seals or labels to your discs.

**Do not write on the disc label in a heavy pen or ballpoint pen stroke.**



## 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 car for extended periods may damage them and make playback impossible.
- The unit may not successfully play back a CD-R/RW that was made by the combination of writing software, a CD recorder (CD-R/RW drive) and a disc if they are incompatible one another.
- This player cannot play the CD-R/RW discs if the session is not closed.
- This player cannot play the CD-R/RW discs which contains other than CD-DA data.
- Be sure to observe the instructions of CD-R/RW disc for handling it.

# Specifications

## □ General

Power supply: 12 V DC (11 – 16 V), test voltage 14.4 V, negative ground  
 Current consumption: Less than 2.2 A (CD play mode; 0.5 W × 4 channels)  
 Maximum power output: 45 W × 4 channels (at 4 Ω)  
 Tone adjustment range:

Bass: ±12 dB at 100 Hz  
 Treble: ±12 dB at 10 kHz

Suitable speaker impedance: 4 – 8 Ω  
 Preamp output voltage: 2.5 V (CD play mode; 1 kHz, 0 dB)  
 Output impedance: 200 Ω  
 Dimensions (W × H × D): 178 × 50 × 155 mm  
 Weight: 1.4 kg

## □ FM stereo radio

Frequency range: 87.5 – 108.0 MHz  
 Usable sensitivity: 11.0 dBf. (1.25 μV, 75 Ω)  
 50 dB quieting sensitivity: 15.2 dBf. (1.6 μV, 75 Ω)  
 Frequency response: 30 Hz – 15 kHz (±3 dB)  
 Alternate channel selectivity: 75 dB  
 Stereo separation: 42 dB (at 1 kHz)  
 Image response ratio: 75 dB  
 IF response ratio: 100 dB  
 Signal/noise ratio: 70 dB

## □ AM radio

Frequency range: 531 – 1 602 kHz  
 Usable sensitivity: 28 dBμV (25 μV, S/N 20 dB)

## □ CD player

Sampling frequency: 8 times oversampling  
 Error correction system: Panasonic super decoding algorithm  
 Pick-up type: Astigma 3-beam  
 Light source: Semiconductor laser  
 Wave length: 780 nm  
 Frequency response: 20 Hz – 20 kHz (±1 dB)  
 Signal/noise ratio: 96 dB  
 Total harmonic distortion: 0.01 % (at 1 kHz)  
 Wow and flutter: Below measurable limits  
 Channel separation: 75 dB

**Note:** Specifications and the design are subject to modification without notice due to improvements in technology.

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