

# Operating Instructions

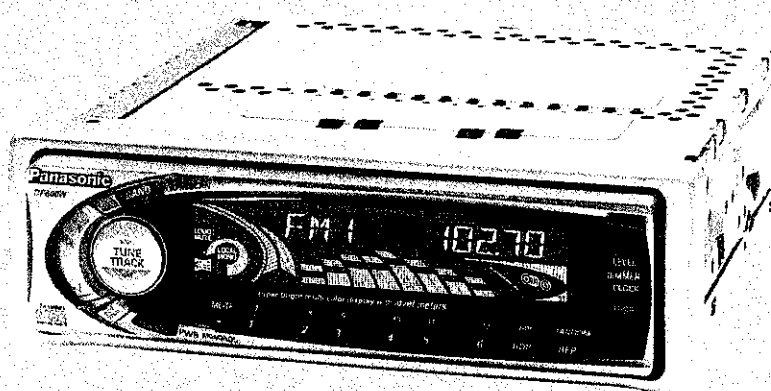
## 操作說明書

[CQ-DF600/DF200W]

High-Power CD Player/Receiver with Changer Control

附帶轉換控制的大功率鐳射唱機 / 收音機

### CQ-DF600/DF200W



(CQ-DF600W)

# Panasonic®

松下電器

Please read these instructions carefully before using this product and save this manual for future use.

使用本機前請詳細閱讀本操作說明書，並妥善保管，以備後日查用。

# Contents

Precautions .....	2	Installation Guide .....	17
Power and Sound Controls .....	4	Electrical Connections .....	22
Radio Basics .....	7	Speaker Connections.....	24
Compact Disc Player Basics .....	9	Error Display Messages.....	25
CD Changer Basics .....	11	Disc Notes .....	26
Clock Basics.....	13	Specifications.....	27
Remote Control Unit Basics.....	14		

*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

### Volume Level

For your driving safety, keep the volume level low enough to be aware of road and traffic conditions.

### Car Washing

To avoid electrical short circuits which may cause fire or other damage, do not expose this product (including the speakers and CDs) to water or excessive moisture.

### Service

This product is made of precision parts. Do not attempt to disassemble or adjust any parts. For repair, please consult your nearest authorized Panasonic Service Center.

### Power Supply

This product is designed to be used in a car having 12-volt negative ground battery system.

### Disc Mechanism

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

### Car Ventilation

If your car is parked for several hours in direct sunlight, the temperature inside the car may become very high. It is advisable to drive the car for a while until the interior cools down before switching the unit on.

### About Preset Memory

The preset memory is cleared to return to the original factory setting when the power connector or battery is disconnected.

### For Installation

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

#### Note:

This operating instruction manual is for 2 models CQ-DF600W and DF200W. All illustrations throughout this manual represent model CQ-DF600W unless otherwise specified. The following table describes the differences between 2 models.

Items \ Models	CQ-DF600W	CQ-DF200W
Pre-Out	Lead type	Fix type
Sub Woofer-Out Level	2 V	None
Sub Woofer-Out	Yes	None
S•HDB	FLAT/BOOM/TIGHT	On/Off
LCD Color	3 Colors	Blue

# 目錄

注意事項 .....	3	安裝 .....	41
電源與音量控制 .....	28	電氣連接 .....	46
收音機基本操作 .....	31	揚聲器的連接 .....	48
鐳射唱機基本操作 .....	33	錯誤顯示的信息 .....	49
鐳射唱片變換器的基本操作 .....	35	特別注意事項 .....	50
時鐘的基本操作 .....	37	規格 .....	51
遙控器的基本操作 .....	38		

**Panasonic** 歡迎您來到不斷增加的電子產品擁有者的家族之中。我們力圖為您提供精密的電子與機械工程的方便性，使用經過認真選擇的零件進行生產，並由對他們的努力已為我公司樹立信譽，且感到自豪的替人們進行組裝。我們相信這個產品將為您帶來更多享受的時光，當您發現我們的產品所擁有的質量、價值和可靠性之後，您會為自己成為我們家族的一員而感到自豪。

## 注意事項

### 音量

為了安全駕駛，請儘量保持低音量，以便注意交通和路面狀況。

### 洗車時

為了避免電氣短路而引起火災或其它危害，請勿使本設備（包括揚聲器與唱片）沾水或受潮。

### 維修

本機由精密部件組成。請勿自行嘗試拆卸或調節任何部件。如需維修，請到您附近的公認的 Panasonic 維修中心進行詢問。

### 供電

本設備的設計是用於備有 12 伏負極接地電池系統的汽車中。

### 鐳射唱片系統

請勿將硬幣或任何小物體放入機內。  
請勿將螺絲刀或其他金屬物放置於鐳射唱機或鐳射唱片附近。

### 汽車通風

如果您的汽車在直射陽光下停車幾個小時之後，汽車內的溫度會昇得很高。  
在打開本機之前，最好先開動汽車，降低車內溫度。

### 關於預置記憶

當斷開電源連接器或電瓶時，預置記憶會被消除並回復到出廠時的設定。

### 安裝時

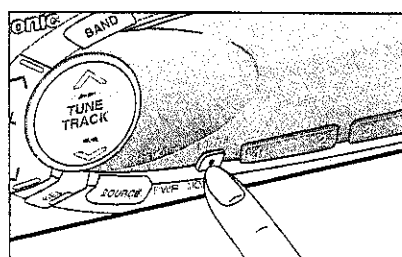
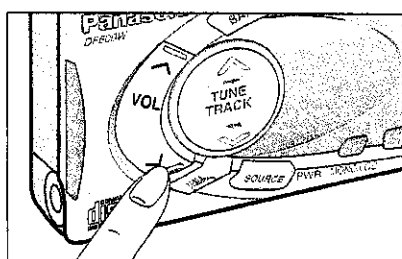
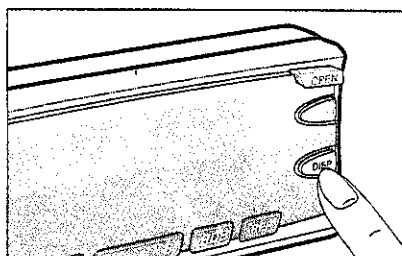
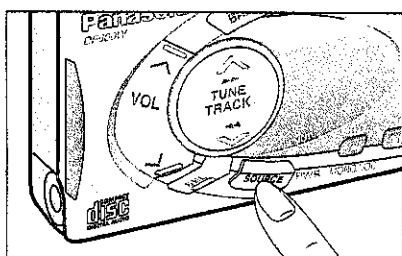
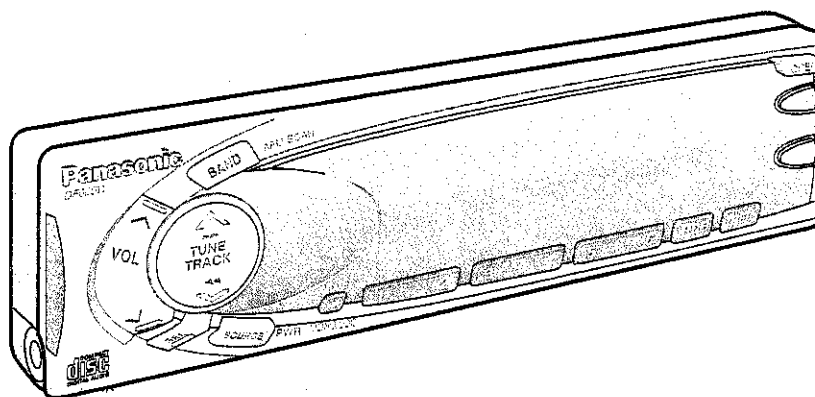
本機構應安裝於水平的位置，其前端可以傾斜一個您看起來舒適的角度，但不能超過 30°。

## 註：

本操作說明書適用於機型為 CQ-DF600W 和 CQ-DF200W 的兩種鐳射唱機 / 收音機。除非特別指明，本說明書中的所有操作說明均針對於 CQ-DF600W 型鐳射唱機。這兩種機型的區別載於下表。

項目 \ 型號	CQ-DF600W	CQ-DF200W
前置輸出	導線型	固定型
重低音輸出電平	2V	無
重低音輸出	有	無
S·HDB	FLAT/BOOM/TIGHT	開啟 / 取消
液晶顯示屏顏色	3 色	藍色

# Power and Sound Controls



## Power

Turn the key in the ignition until the accessory indicator lights. Press **[SOURCE](PWR)** to switch on the power. Press and hold **[SOURCE](PWR)** again for more than 1 second to switch off the power. When the power is turned off while the time is displayed, the clock mode remains on. When **[DISP]** is pressed, the system is turned off completely.

### Note:

When the power is switched on for the first time, a demonstration appears on the display. To cancel this display, press **[DISP]**. When a CD is inserted with all the power connections performed, the unit power will be automatically turned on, CD loading begins and the CD is played.

## Volume

- Press **[^ VOL]** or **[v VOL]** to increase or decrease the volume.



Volume Level (0 to 40)

- Press **[^ VOL]** or **[v VOL]** to change the numeric level in sequence.

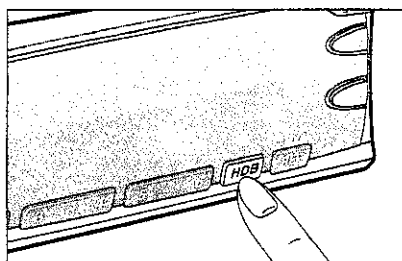
## Mute

- Press **[•](MUTE)** to mute the sound completely. When MUTE is on, "MUTE" indicator will light, and "MUTE" will blink on the display.



- Press **[•](MUTE)** again to cancel.

**Note:** This unit is equipped with an anti-volume-blast circuit which serves as an automatic volume level adjuster so that you will not be deafened by sudden loud volume level. This system operates as follows. When **[SOURCE](PWR)** is first pressed to switch the unit on, the volume level is low. After that, the volume level will gradually return to the same level as the one before the power was turned off last time. The anti-volume-blast circuit will not work when the volume level is set lower than position 20 on the display.



## S·HDB (Super High Definition Bass)

Especially for rock music, the bass-sound will be more powerful.

- Press [HDB] to change Super High-Definition Bass Mode.

For CQ-DF200W

Regular Mode ↔ S·HDB  
(S·HDB OFF)

S·HDB

For CQ-DF600W

FLAT (Regular Mode, S·HDB OFF) → BOOM (S·HDB ON)

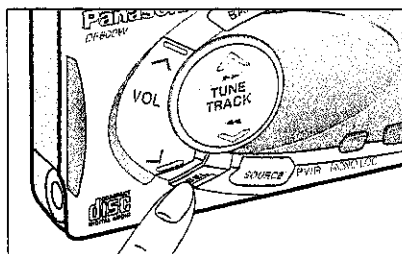
↑ TIGHT (S·HDB ON) ↓

BOOM: The bass sounds of the speakers are strongly emphasized.

TIGHT: The bass sounds of the speakers are moderately emphasized. (The sounds of the sub-woofer can be heard clearly.)

BOOM

TIGHT



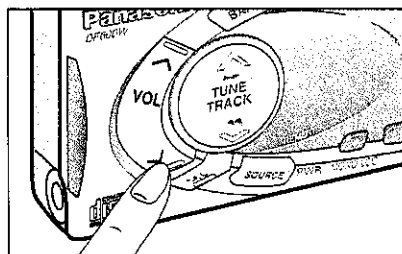
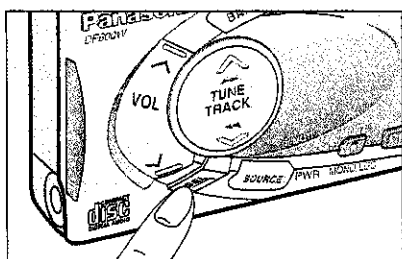
## Audio Mode

Press [SEL] to change the audio mode setting as follows.

Regular Mode → VOLUME → BASS → TREBLE → BALANCE

↑ SUB·W\* ↓ FADER ↓

(\*Only for CQ-DF600W, SUB·W : SUB WOOFER)



## Bass and Treble

Press [SEL] to change to the bass (or treble) mode.

Press [^ VOL] or [v VOL] to increase or decrease the bass (or treble) level.

BAS+ 300

-12 to +12

TRE- 300

-12 to +12

## Balance

Press [SEL] to change to the balance mode.

Press [^ VOL] or [v VOL] to shift the sound volume to the left (L) or right (R) speakers.

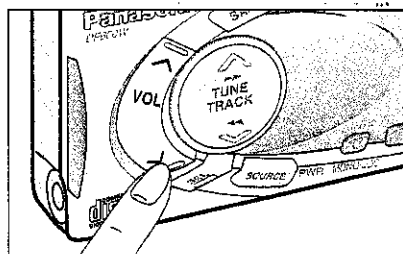
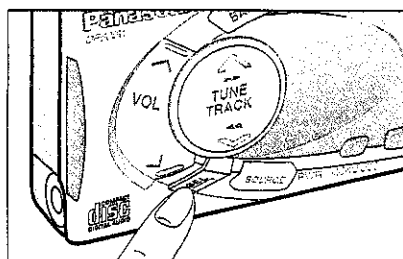
BAL L 2

or R 1 to 15

BAL CNT

Balance Center

# Power and Sound Controls (continued)



## Fader

Press [SEL] to change to the fader mode.  
Press [^ VOL] or [v VOL] to shift the sound volume to the front (F) or rear (R) speakers.



## Sub-Woofer Volume

(Only for CQ-DF600W)

Press [SEL] to change to the sub-woofer volume mode.  
Press [^ VOL] or [v VOL] to increase or decrease the sub-woofer volume.

### Cut-off frequency control

The maximum lower frequency level can be adjusted to match your sub-woofer and the acoustics inside your car.

When the sub-woofer is activated, press [^ TUNE] or [v TUNE] to change the cut-off frequency as follows. (default : 120 Hz)

120 ↔ 80 (Hz)

Cut-off frequency

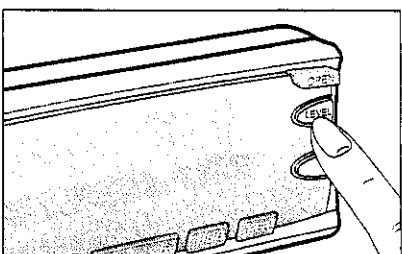
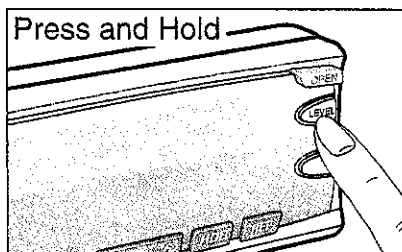


Sub-woofer volume level : From MUTE (0) to 8



**Note:** If no operation is performed in the audio mode for 5 seconds (or 2 seconds in the VOL mode), the display will return from the audio mode (BAS/TRE/BAL/FAD/SUB) to the regular operation mode.

## Display Controls



## Dimmer

Press and hold [LEVEL](DIMMER) for more than 2 seconds to change the dimmer level from one level to another through the cycle of 3 levels as follows. (default : Dimmer 1)

Dimmer 1 → Dimmer 2 → Dimmer 3  
(Bright) (Medium) (Dark)

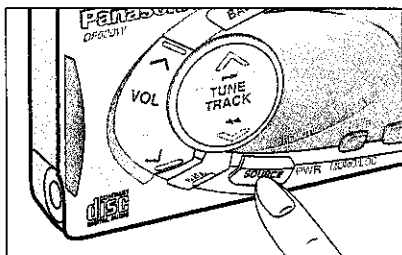
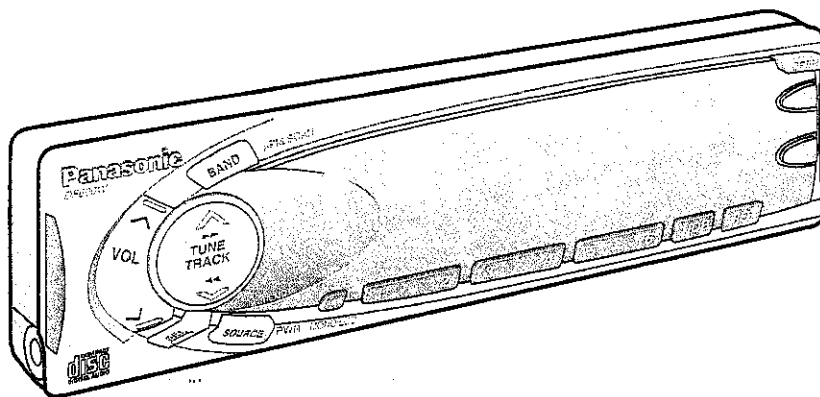
## Level Meter Display Switching

When power is ON, the level of sound sources, such as radio and CD, is displayed.

Press [LEVEL](DIMMER) to change the Level Meter display from one level to another in a total of 6 kinds display mode.

You can select your favorite display.

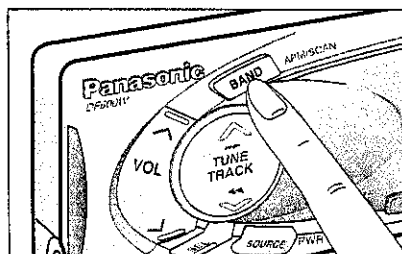
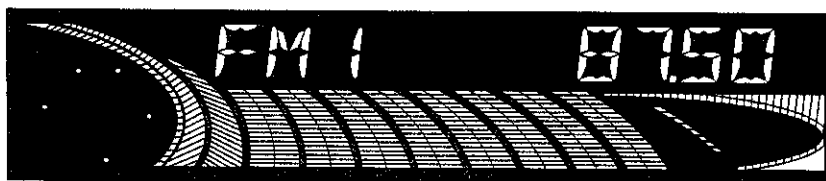
# Radio Basics



## Tuner Mode

Press **[SOURCE]** to change the operation mode setting as follows.

Tuner → CD player → CD changer control  
 (When a disc is inserted) (When a CD changer is connected)

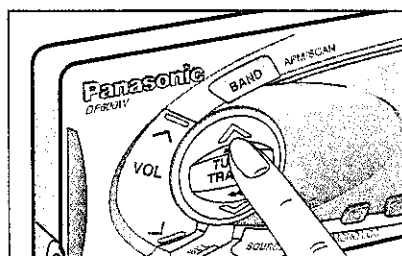


## Band

Press **[BAND]** to change the band setting as follows.

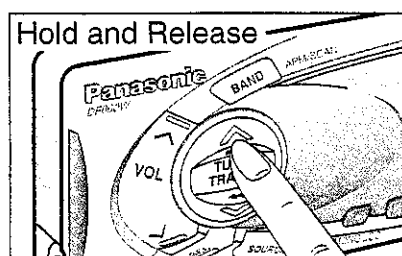
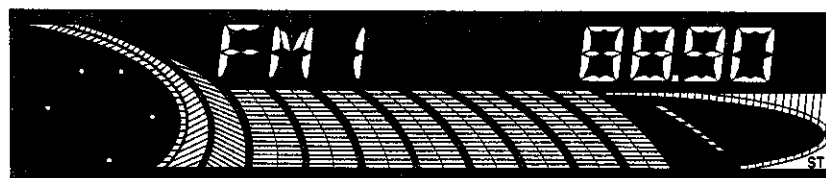
FM1 → FM2 → FM3 → AM

"ST" indicator lights during reception of a FM stereo broadcast.



## Manual Tuning

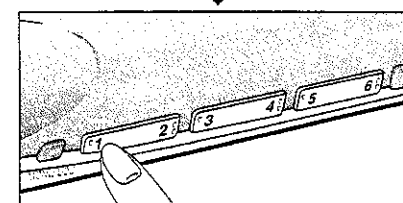
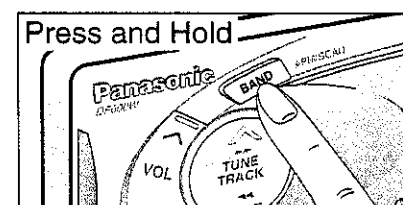
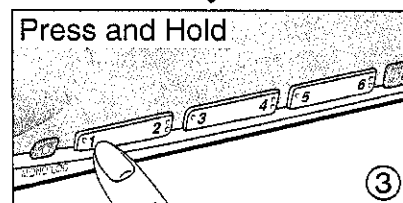
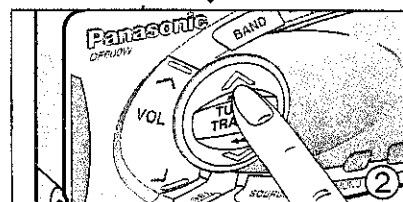
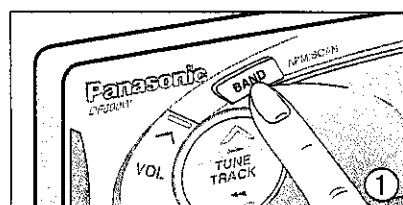
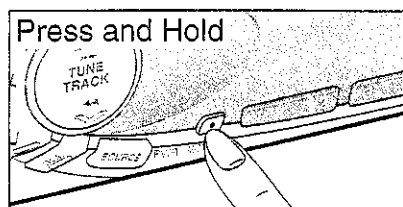
Press **[^ TUNE]** or **[v TUNE]** to tune in a higher or lower frequency.



## Seek Tuning

Press and hold **[^ TUNE]** or **[v TUNE]** for more than 0.5 seconds, then release it. Tuning will automatically stop when the signals of the next broadcast station are received.

# Radio Basics (continued)



## MONO/LOCAL Selection

- At the MONO setting, the amount of interference heard when weak signals are received from an FM broadcast station is significantly decreased.
- At the LOCAL setting, only strong signals of stations are searched in seek tuning, while at LOCAL OFF setting, relatively weak signals are also searched.

### ① FM broadcast

Press and hold [•](MONO/LOC) in the tuner mode for more than 2 seconds to switch between the MONO and LOCAL modes. Each time [•](MONO/LOC) is pressed, the display changes as follows.

MONO OFF/LOCAL OFF → MONO ON/LOCAL OFF  
MONO OFF/LOCAL ON ← MONO ON/LOCAL ON

### ② AM broadcast

Press and hold [•](MONO/LOC) for more than 2 seconds to change the local mode as follows.

LOCAL OFF ↔ LOCAL ON

## Station Preset

FM1, FM2, FM3 and AM can save a maximum 6 stations each in their preset station memories.

## Manual Station Preset

- ① Press [BAND] to select a desired band.
- ② Use manual or seek tuning to find a station which is to be pre-set in the memory.
- ③ Press and hold one of the preset buttons [1] to [6] for more than 2 seconds until the display blinks.



└ Preset number

**Note:** You can change the memory presetting by repeating the above procedure.

## Tuning in a Preset Station

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

## Auto Station Preset

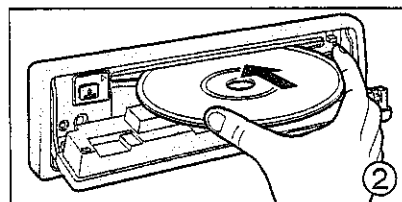
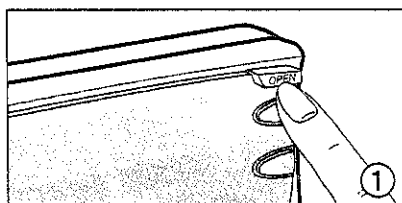
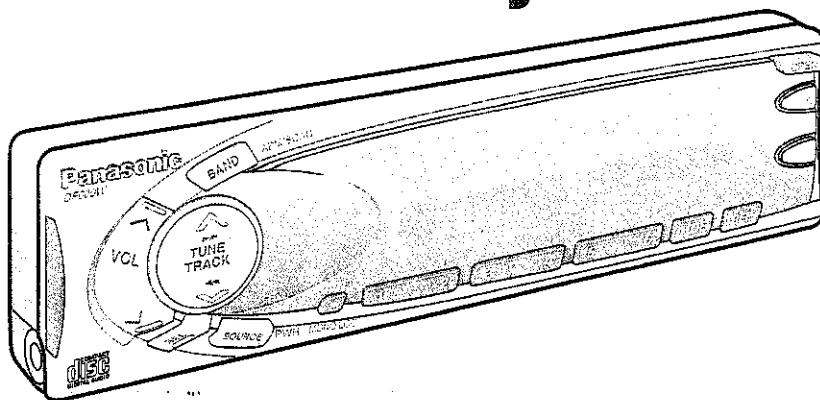
Select the band, press and hold [BAND](APM) for more than 2 seconds (Auto Preset Memory).

- The 6 strongest available stations will be automatically saved in the memory on preset buttons [1] to [6].
- Once set, the preset stations are sequentially scanned for 5 seconds each.
- Press the corresponding preset button for the broadcast you want to listen to.

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



# Compact Disc Player Basics



## Loading a Disc

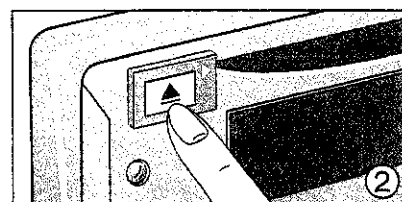
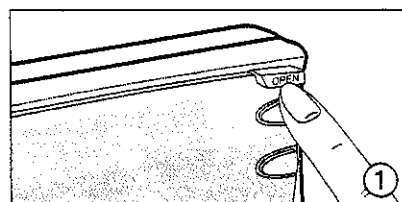
- ① Press **[OPEN]** to open the front panel.
- ② Insert a disc with its label side facing up.  
After the disc is inserted, close the front panel manually.

### Notes:

- The mute is automatically turned on when a disc is inserted and the CD mode is selected.
- The mute is automatically turned off when the front panel is closed.

### Caution:

Do not use irregularly-shaped CD (heart-shaped, octagon etc.). Failure to observe this may cause malfunction.



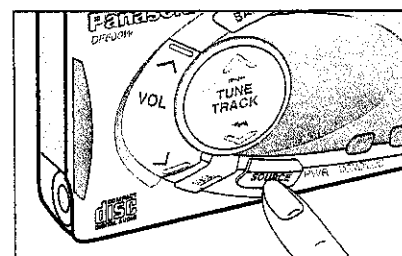
## Ejecting a Disc

- ① Press **[OPEN]** to open the front panel.
- ② Press **[▲]** to eject the disc. After the disc is removed, close the front panel manually. The previous operation mode will resume.

### Note:

Always remove the disc from the unit when the CD player is not being used.

**Note:** You can eject the disc by pressing **[▲]**, even when the power is off.



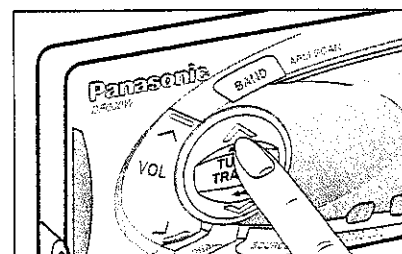
## Starting CD Play

Press **[SOURCE]** to change to the CD play mode as follows, after a disc has been inserted. Play will start automatically.

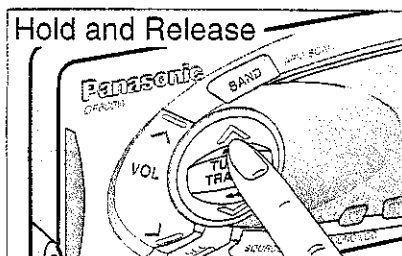
Tuner → CD player → CD changer control  
 (When a disc is inserted) (When a CD changer is connected)

## Track Selection

- Press **[▶▶ TRACK]** to advance to the next track.
- Press **[◀◀ TRACK]** to start play from the beginning of the track now playing.
- Press **[▶▶ TRACK]** or **[◀◀ TRACK]** repeatedly to skip the desired number of tracks.

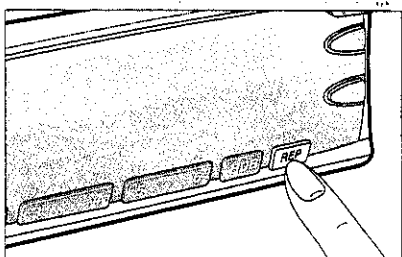


# Compact Disc Player Basics (continued)



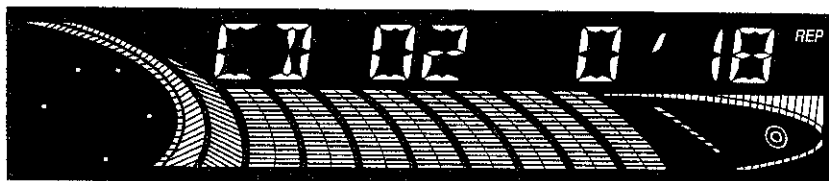
## Track Search

- Press and hold [▶▶ TRACK] or [◀◀ TRACK] for more than 0.5 seconds to advance or reverse through a track.
- Release [▶▶ TRACK] or [◀◀ TRACK] to resume regular CD play.

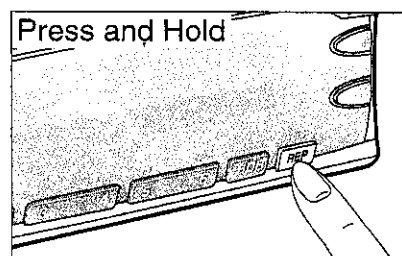


## Track Repeat

Press [REP] to repeat the current track.

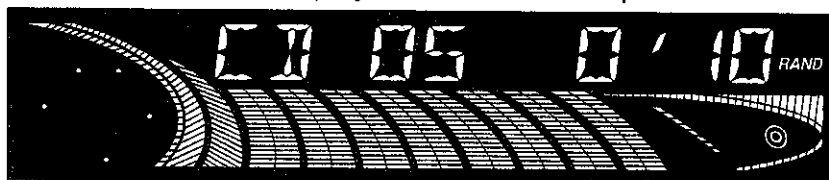


Press [REP] again to cancel.

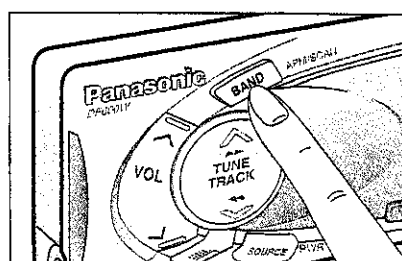


## Random Selection

Press and hold [REP](RANDOM) for more than 2 seconds. All the available tracks will be played in a random sequence.

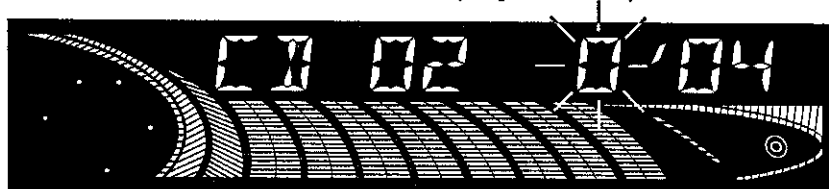


Press and hold [REP](RANDOM) for more than 2 seconds again to cancel.

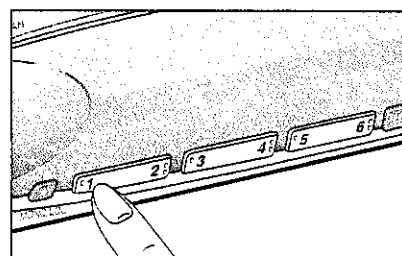


## Track Scan

Press [BAND](SCAN). The display blinks, and the first 10 seconds of each track on the CD are played in sequence.



Press [BAND](SCAN) again to cancel.



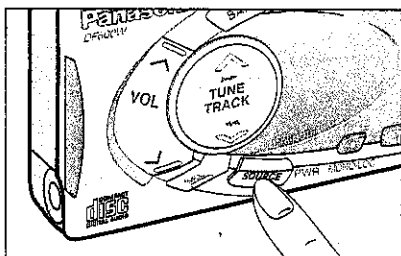
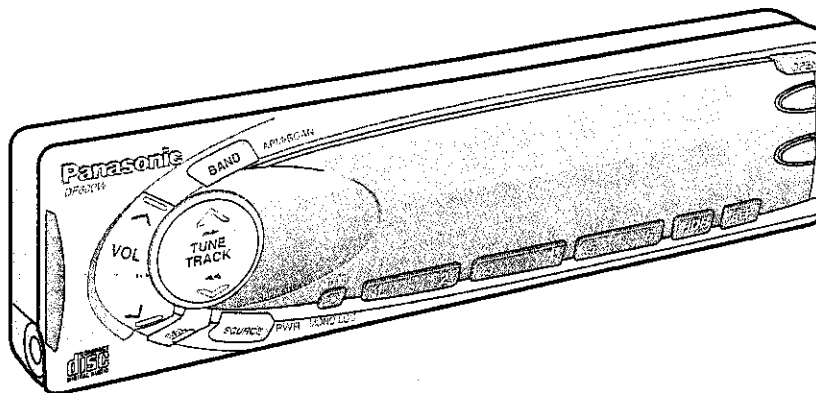
## Direct Selection by Track Number

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

# CD Changer Basics

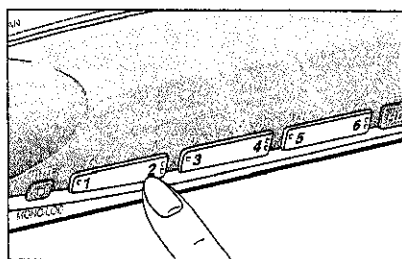
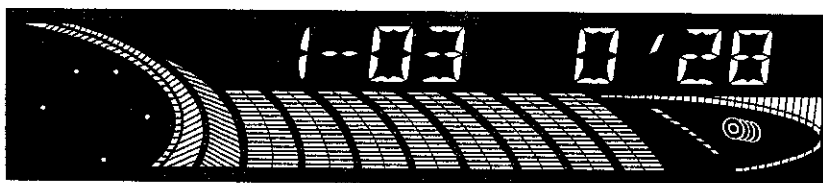
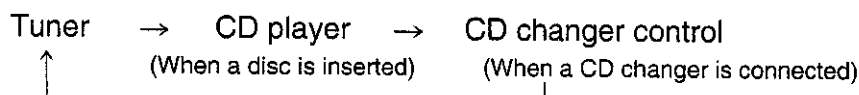
## Note:

The CD changer functions are designed for an optional CD changer unit.



## Starting the CD Changer

Once the CD changer has been connected, press [SOURCE] to change to the CD changer mode as follows. When a disc magazine is inserted, CD play starts automatically.

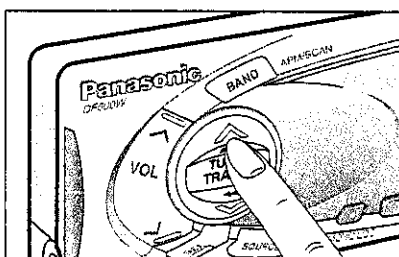


## Direct Disc Selection

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

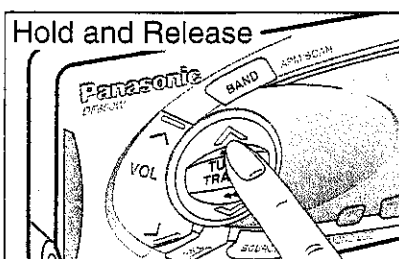
### Note:

The number of discs you can load the CD changer with is specific to each model.



## Track Selection

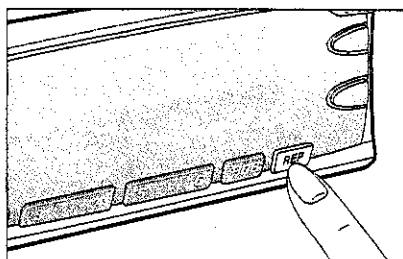
- Press [▶▶ TRACK] to advance to the next track.
- Press [◀◀ TRACK] to start play from the beginning of the track now playing.
- Press [▶▶ TRACK] or [◀◀ TRACK] repeatedly to skip the desired number of tracks.



## Track Search

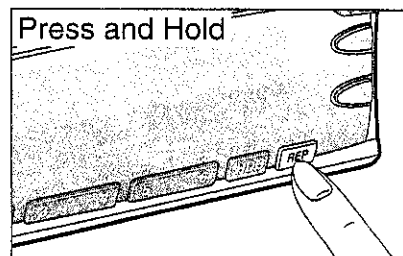
- Press and hold [▶▶ TRACK] or [◀◀ TRACK] for more than 0.5 seconds to advance or reverse through a track.
- Release [▶▶ TRACK] or [◀◀ TRACK] to resume regular CD changer play from the released position.

# CD Changer Basics (continued)



## Track Repeat

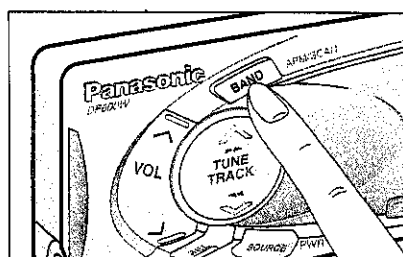
Press **[REP]** to repeat the current track.  
Press **[REP]** again to cancel.



## Random Selection

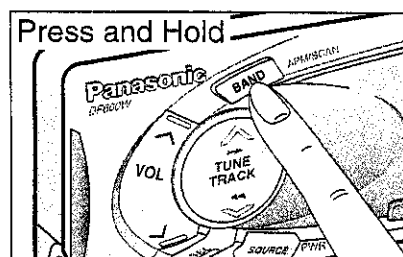
Press and hold **[REP]**(RANDOM) for more than 2 seconds. All the available tracks will be played in a random sequence.  
Press and hold **[REP]**(RANDOM) for more than 2 seconds to cancel.

When **[REP]** is pressed in the random mode, random play stops and repeat play resumes.



## Track Scan

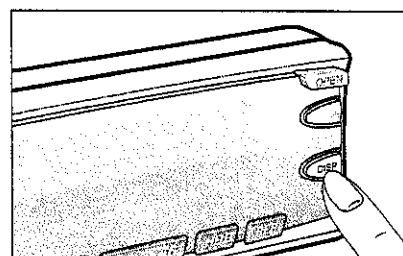
Press **[BAND]**(SCAN). The display blinks and the first 10 seconds of each track on the discs play in sequence.  
Press **[BAND]**(SCAN) again to cancel.



## Disc Scan

Press and hold **[BAND]**(SCAN) for more than 2 seconds. The 1st track of all the discs in the magazine is played for 10 seconds each.

Press and hold **[BAND]**(SCAN) for more than 2 seconds again to cancel.



## Changing the Display

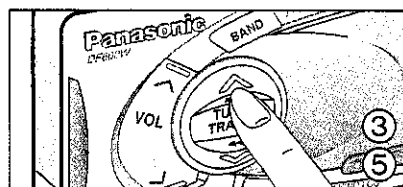
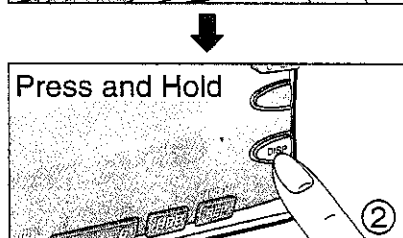
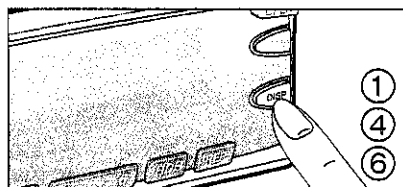
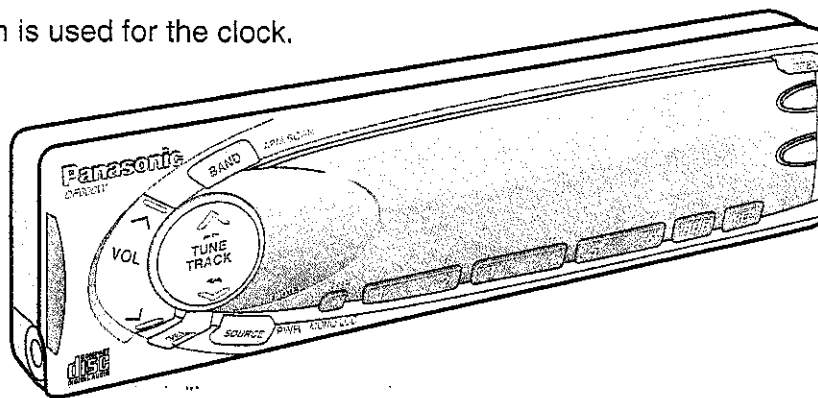
Press **[DISP]** to change the display setting as follows.

Disc/Track Number/Track Play Time ↔ CLOCK

**Note:** You cannot change the current display while the CD player or CD changer is set to the scan play mode.

# Clock Basics

The 12-hour system is used for the clock.



## Initial Time

- ① Press **[DISP](CLOCK)**.  
"ADJUST" appears on the display.
- ② Press and hold **[DISP](CLOCK)** again for more than 2 seconds. "12" blinks, and the time setting mode is activated.
- ③ Press **[V TUNE]** or **[^ TUNE]** to set the hour.
- ④ Press **[DISP](CLOCK)** again to proceed with the minutes setting.
- ⑤ Press **[V TUNE]** or **[^ TUNE]** to set the minute.  
Press **[V TUNE]** or **[^ TUNE]** for more than 0.5 seconds to change numbers on the display in sequence.
- ⑥ Once the time has been set, press **[DISP](CLOCK)**.

### Note:

The **[DISP](CLOCK)** button will not work while the CD player or CD changer is set to the scan play mode. Cancel the scan play mode before pressing **[DISP](CLOCK)**.

ADJUST

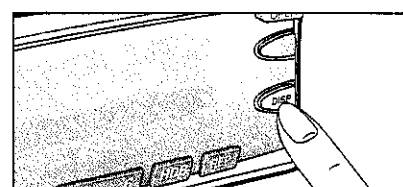
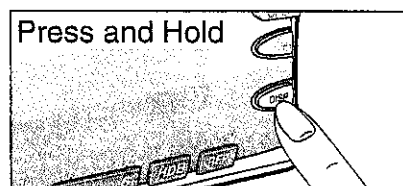
12:00

8:00

8:00

8:15

8:15



## 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 above.

## Clock Display

Press **[DISP](CLOCK)** to change to the clock display as follows.

In Tuner Mode	Current frequency ↔ Clock
In CD Mode	Playing time ↔ Clock
(CD changer)	

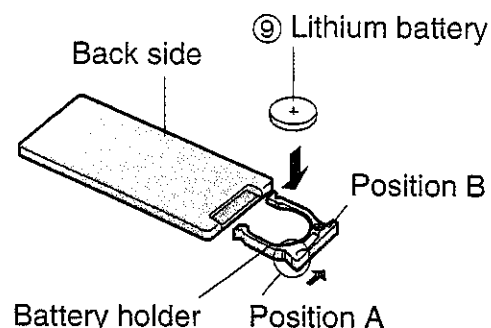
When the power is turned off while the time is displayed, the clock mode remains on. When **[DISP]** is pressed, the system is turned off completely.

**Note:** The power must be switched off before leaving the car if it does not have an accessory (ACC) off position.

# Remote Control Unit Basics

## Battery Installation

1. Remove the battery holder.  
Take hold of the holder at position B and pull it out to remove the battery by pushing position A in the direction shown by the arrow.
2. Install the battery.  
Set a new battery properly with its (+) side facing up as shown in the figure.
3. 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:

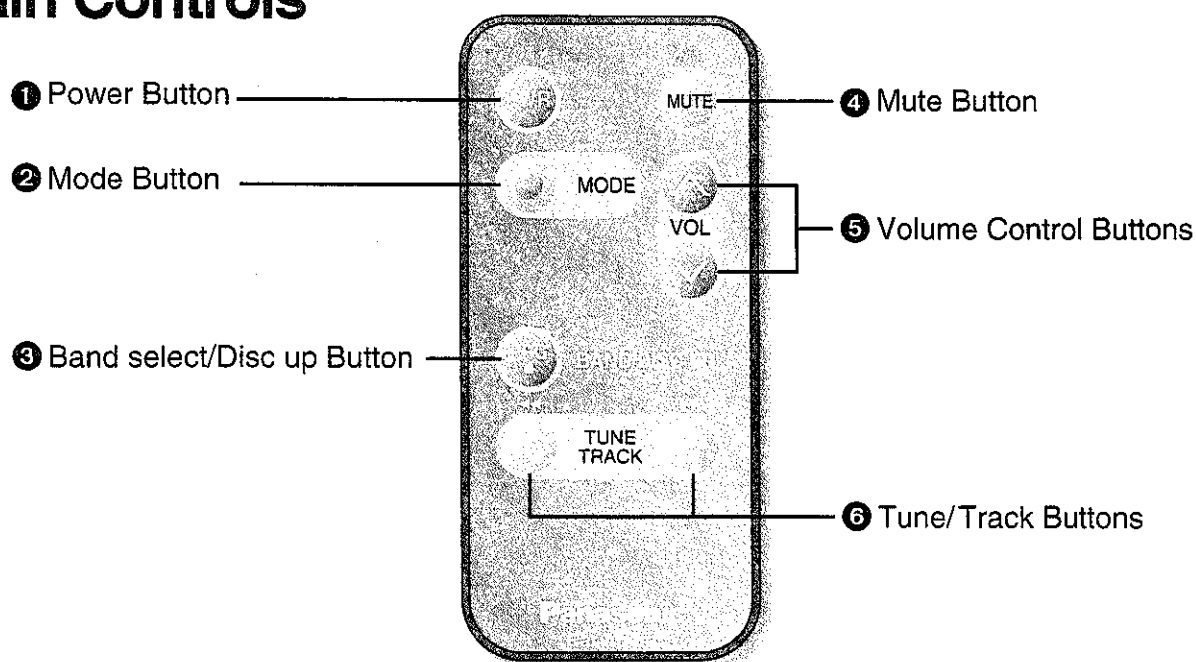
- Battery type: Panasonic lithium battery (CR2025)
- Battery life: 6 months with normal use (at room temperature)

### Caution:

Improper use of the battery may cause overheating, an explosion or ignition, resulting in injury or a fire. Battery leakage may damage the unit.

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

## Main Controls



# How to Operate the Controls

Point the remote control unit at the main unit's sensor (REMOTE).

## General

### Power

#### ① PWR (Power Button)

Press [PWR] to switch on the power.  
Press [PWR] again to switch off the power.

### Mute

#### ④ MUTE (Mute Button)

- Press [MUTE] to mute the sound completely.
- Press [MUTE] again to cancel.

### Mode Selection

#### ② MODE (Mode Button)

Press [MODE] to change the operation mode setting as follows.

Tuner → CD player → (CD changer control)  
↑

### Volume

#### ⑤ ^ v VOL (Volume Control Buttons)

Press [^ VOL] or [v VOL] to increase or decrease the volume level.

## Radio

### Selecting a Band

#### ③ BAND (Band Select Button)

Press [BAND] to change the band setting as follows.

FM1 → FM2 → FM3 → AM  
↑

### Seek Tuning

#### ⑥ < > TUNE (Seek Tuning Buttons)

Press and hold [>TUNE] or [<TUNE] for more than 0.5 seconds, then release it.

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

### Manual Tuning

#### ⑥ < > TUNE (Manual Tuning Buttons)

Press [>TUNE] or [<TUNE] to tune in a higher or lower frequency.

# Remote Control Unit Basics (continued)

## Compact Disc Player/CD Changer Control

(When a disc is inserted, play starts.)

### Starting CD Play

#### ② MODE (Mode Button)

- Press [MODE] to change to the CD play mode after a disc has been inserted. Play will start automatically.
- When the unit is connected with the CD changer, press [MODE] repeatedly to change the mode setting as follows.

Tuner → CD player → (CD changer control)



Once a disc has been inserted, CD play will start automatically regardless of the existing mode setting.

### Disc Selection

(Only for CD changer control)

#### ③ DISC UP (Disc Select Buttons)

(When the CD changer is connected)

Press to sequentially advance to the next disc.

### Track Selection

#### ⑥ ►► ◀◀ TRACK (Track Select Buttons)

- Press [►►TRACK] to advance to the next track.
- Press [◀◀TRACK] to play from the beginning of the track now playing.
- Press [►►TRACK] or [◀◀TRACK] repeatedly to skip the desired number of tracks.

### Track Search

#### ⑥ ►► ◀◀ TRACK (Track Search Buttons)

- Press and hold [►►TRACK] or [◀◀TRACK] for more than 0.5 seconds to advance or reverse through a track.
- Release [►►TRACK] or [◀◀TRACK] to stop the rapid advance or rapid reverse.



# Installation Guide

## Preparation:

- Before installation, check the radio operation with antenna and speakers.
- Disconnect the cable from the negative (–) battery terminal (see caution below).

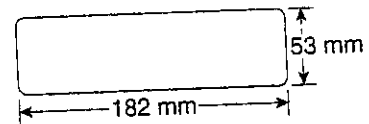
## Caution:

For installation to cars with trip or navigational computer, all electronic memory settings previously registered in the computer will be lost when the battery terminal is disconnected. For this type of car, battery could not be disconnected. Therefore, extra care should be taken to prevent short circuiting.

## In dash installation

### Installation Opening

In-dash installation can be done if the car's dashboard has an opening for this unit as shown in the figure. The car's dashboard should have a thickness of 4.5 mm–6 mm in order to make the installation of the unit.



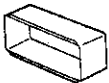









## Installation Precautions

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

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

1. This system is to be used only in a 12-volt, DC battery system (car) with negative ground.
2. Follow the electrical connection (→ page 22, 23) carefully. Failure to do so may result in damage to the unit.
3. Connect the power lead after other connections are made.
4. Be sure to connect the YELLOW lead to positive terminal (+) of the battery to 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	Qty	No.	Item	Diagram	Qty
①	Mounting Collar		1	⑥	Power Connector		1
②	Hex. Nut (5 mmφ)		1	⑦	Removable Face Plate Case		1
③	Rear Support Strap		1	⑧	Remote Control Unit		1
④	Tapping Screw (5 mmφ × 16 mm)		1	⑨	Lithium Battery (CR2025)		1
⑤	Mounting Bolt (5 mmφ)		1	⑩	Trim Plate		1

# Installation Guide (continued)

## ❑ Precautions

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

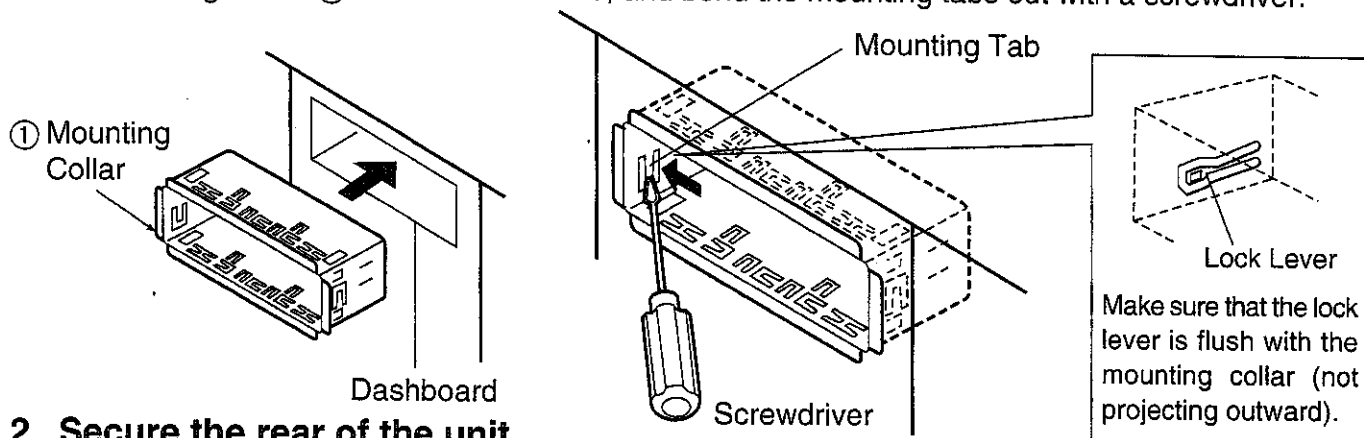
## ❑ Installation Procedures

**Note:**

- Disconnect the cable from the negative (–) battery terminal.

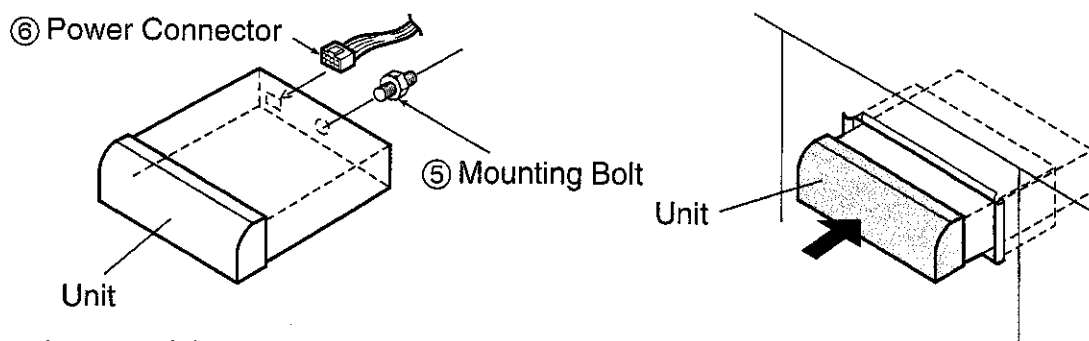
### 1. Secure Mounting Collar ①.

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



### 2. Secure the rear of the unit.

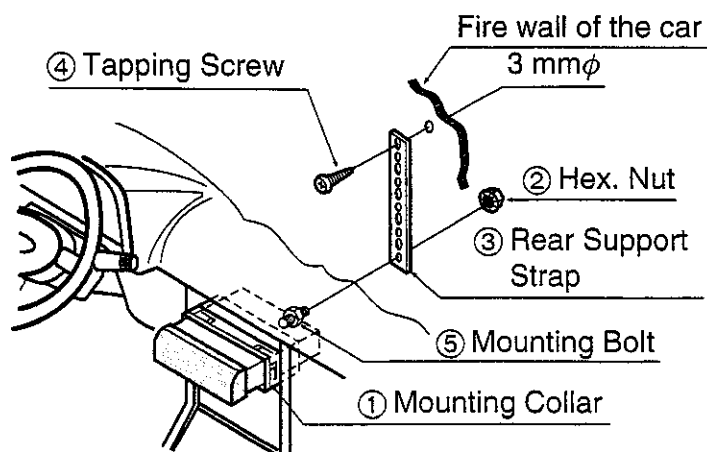
- Check the electrical connections by referring to this operating instructions. (⇒ Page 22, 23)
- Connect Mounting Bolt ⑤, using a suitable wrench.
- Insert Power Connector ⑥ to the unit.
- Insert the unit into the Mounting Collar ① and push it in until a “click” is heard.



- Secure the rear of the unit to the car by one of the two recommended methods.

### ■ Using Rear Support Strap ③

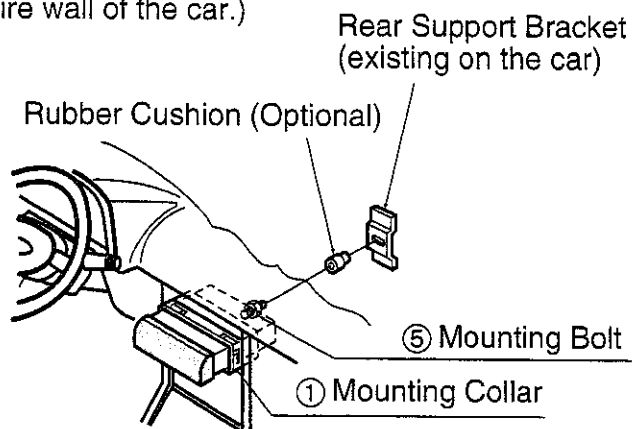
Affix one end of Rear Support Strap ③ to the rear of the unit, and the other end to the fire wall of the car, or some other metallic area.



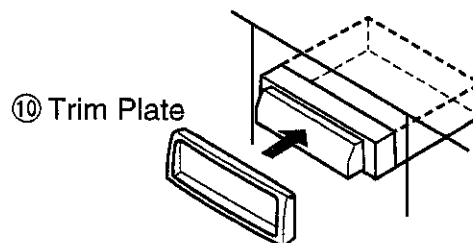
### ■ Using the Rubber Cushion (Optional)

(If there is an existing Rear Support Bracket on the fire wall of the car.)

Cover the Mounting Bolt ⑤ on the rear of the unit with the Rubber Cushion (Optional), and mount it into the existing Rear Support Bracket.



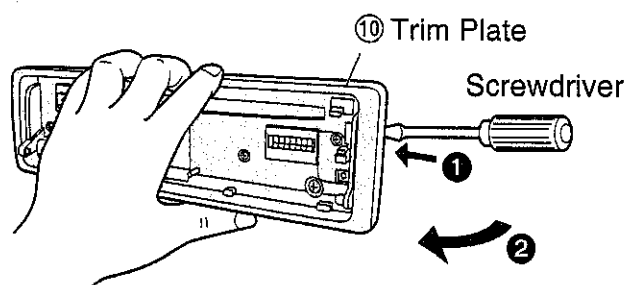
### 3. Install Trim Plate ⑩.



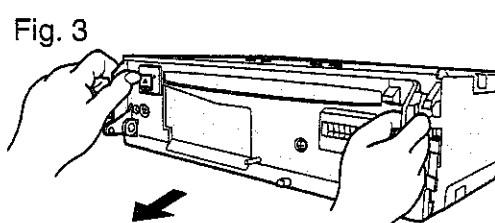
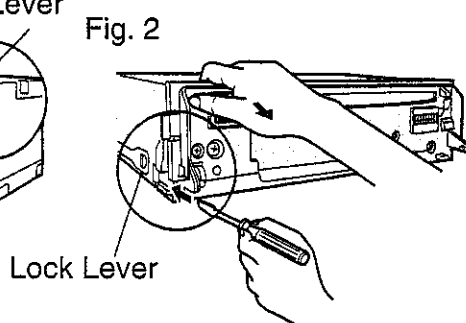
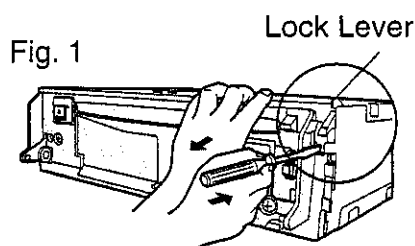
### 4. After installation, reconnect the negative (–) battery terminal.

### To Remove the Unit

- Remove the removable face plate.  
(⇒ Page 20)
- Remove Trim Plate ⑩ with a screwdriver as shown in the figure.



- Pull out the unit while pushing the two lock levers using the screwdriver. (⇒ Fig. 1, 2)
- Remove the unit by pulling it with both hands. (⇒ Fig. 3)



# Installation Guide (continued)

## Anti-Theft System

This unit is equipped with a removable face plate. By removing this face plate, the radio becomes totally inoperable. The security indicator will blink.

### To Remove the Removable Face Plate

- ① Switch off the power.
- ② Press **[OPEN]**. The removable face plate will be opened. (⇒ Fig. 4)
- ③ Push the face plate to either the right or left, then pull it out toward you. (⇒ Fig. 5)

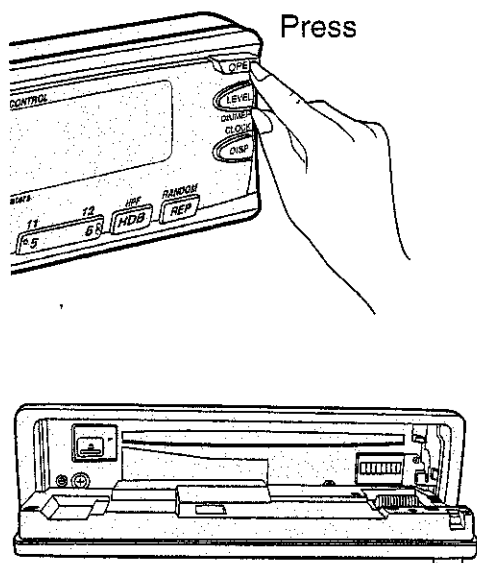


Fig. 4

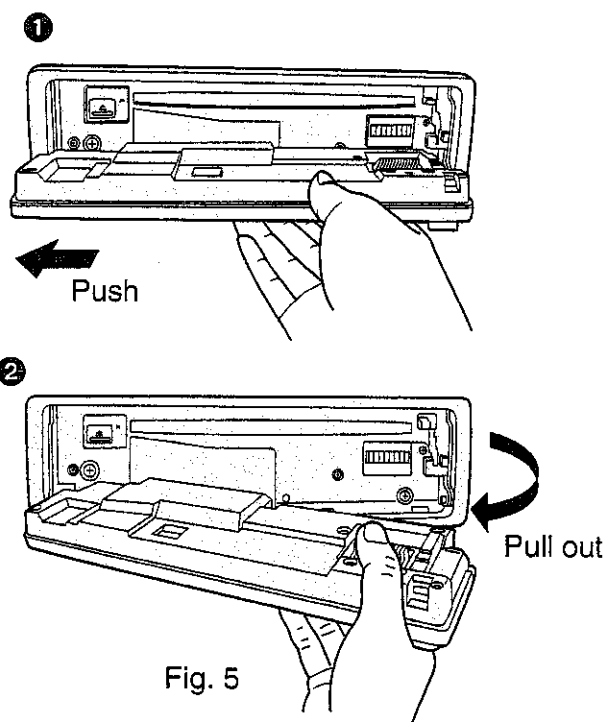


Fig. 5

### Security Indicator

The security indicator (⇒ Fig. 7) blinks when the removable face plate is removed from the unit.

### To Deactivate the Security Indicator

Press and hold **[SEL]** for more than 2 seconds when the power is on. "LED OFF" is displayed, and the security indicator turns off. (default: LED ON)

Display  
LED ON  
↑↓  
LED OFF

Security Indicator  
Blinks  
(Press and hold **[SEL]** for more than 2 seconds.)  
OFF

#### Cautions:

When you want to remove the unit, the security indicator functions can be cancelled by the following procedure.

- Install the removable face plate.
- Disconnect the power connector.

- ④ As shown in Fig. 6, gently push the lower side of the case and open its cover. Keep the removable face plate in the case. Then you can safely take the plate with you.

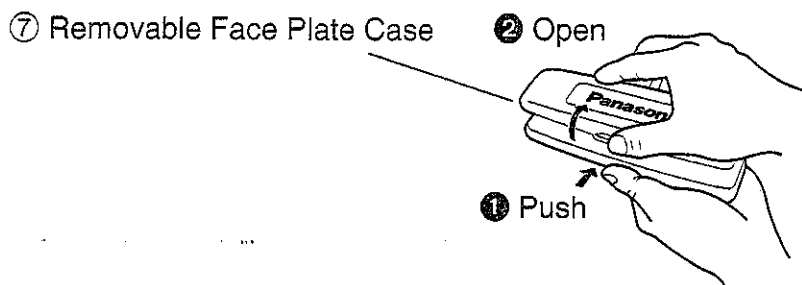


Fig. 6

## To install the Removable Face Plate

- ① Fit either the edge of the right or left hole in the face plate over the main unit's pins, and fit it over on the other side while pushing it.

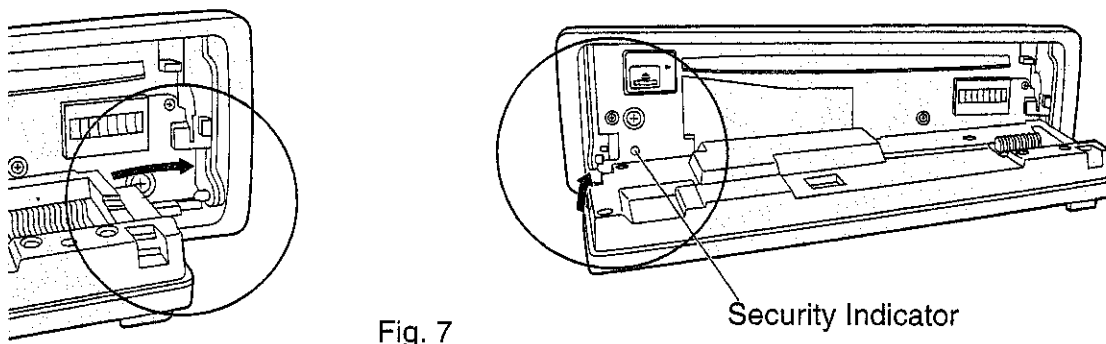


Fig. 7

- ② After fitting the face plate holes, try moving the face plate up and down a few times to make sure that it has been fitted securely.

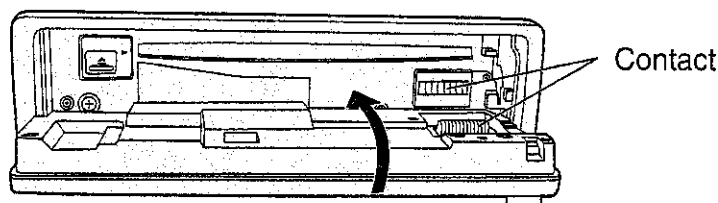


Fig. 8

- ③ Close the front panel and press the right side of the face plate until a "click" is heard.

### Cautions:

1. Before removing the removable face plate, make sure the power is off.
2. This removable face plate is not water-proof. Do not expose it to water or excessive moisture.
3. Do not remove the removable face plate, while driving your car.
4. Do not place the removable face plate on the dashboard or nearby areas where the temperature rises to high levels.
5. Do not touch the contacts on the removable face plate or on the main unit, since this may result in poor electrical contacts.
6. If dirt or other foreign substances get on the contacts, wipe them off with clean, dry cloth.
7. Do not apply a strong downward force onto the face plate and do not put anything on it while it is open, or it might be damaged.

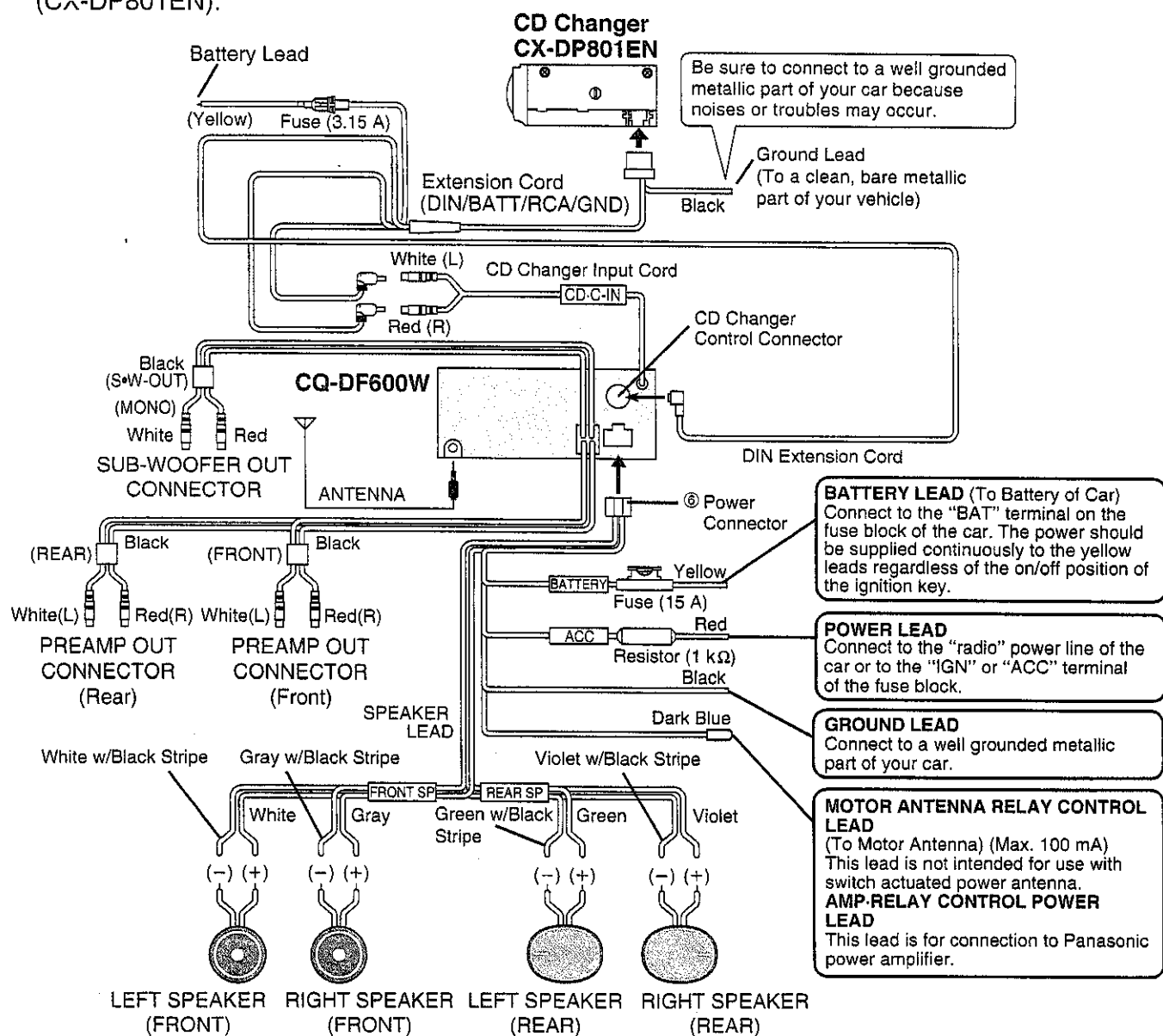
# Electrical Connections

## Cautions:

- This product is designed to operate of a 12 volt, negative ground battery system.
  - To prevent damage to the unit, be sure to follow the connection diagram below.
  - Remove approx. 5 mm of protective covering from the ends of the leads before connecting.
  - 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.

## Wiring diagram (Only for CQ-DF600W)

- This unit can be connected to an optional CD changer (CX-DP801EN). For details consult your nearest Panasonic Service Center.
- For connection to the CD changer, refer to the operating instructions of the CD changer (CX-DP801EN).



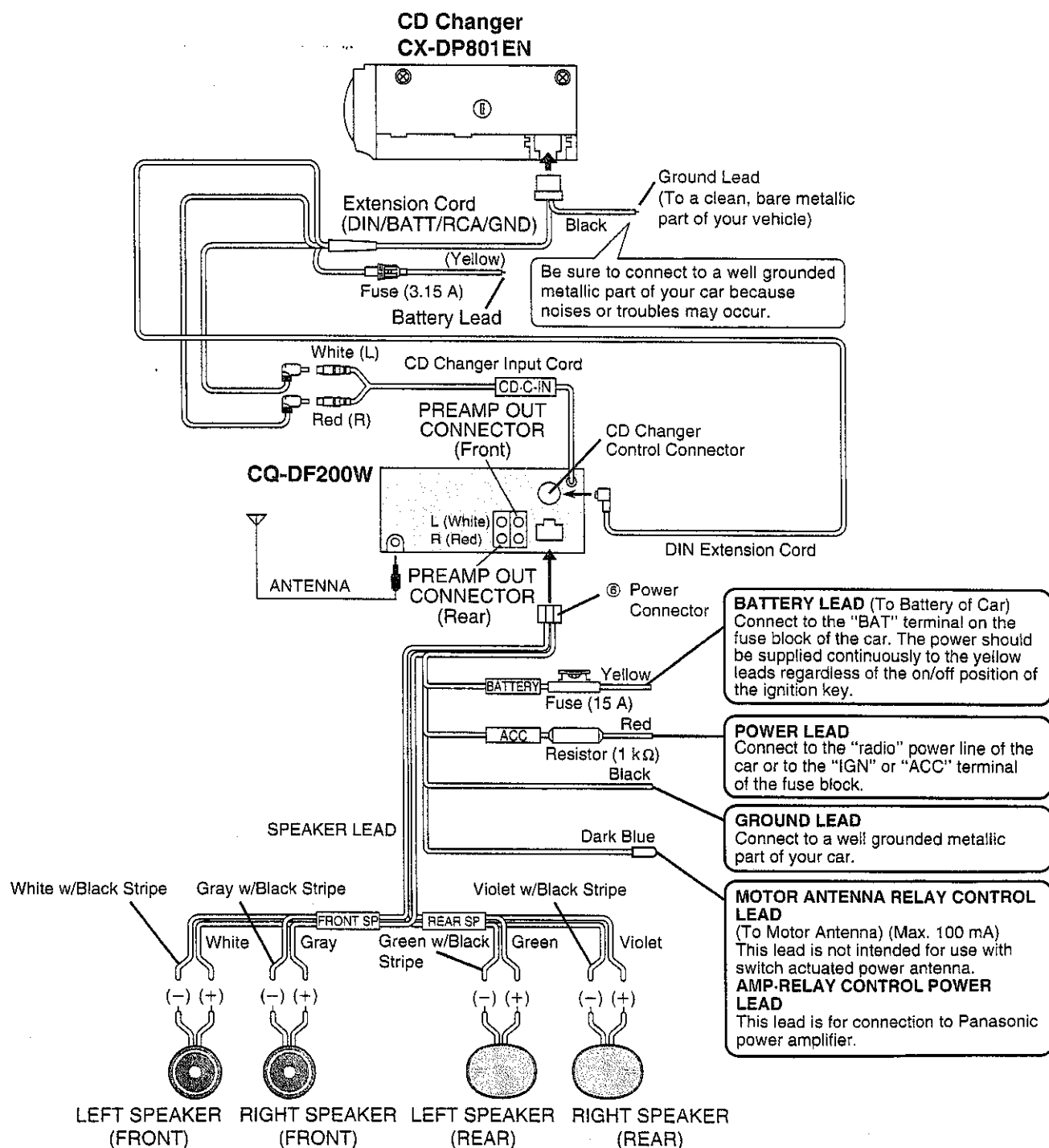
## NOTE: RECOMMENDED EXTERNAL AMP COMBINATION (EXAMPLE)

Pre-Amp out (rear/front)  
Sub-Woofer out\*  
(\*Only for CQ-DF600W)

- ➡ CY-M9054 (4 ch system)
- ➡ CY-M9054 (2 ch system)
- or
- CY-M7052 (1 ch system)

# Wiring diagram (Only for CQ-DF200W)

- This unit can be connected to an optional CD changer (CX-DP801EN). For details consult your nearest Panasonic Service Center.
- For connection to the CD changer, refer to the operating instructions of the CD changer (CX-DP801EN).

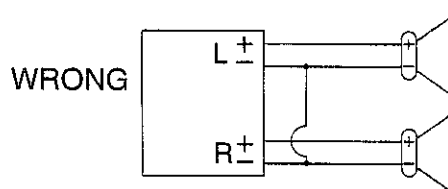
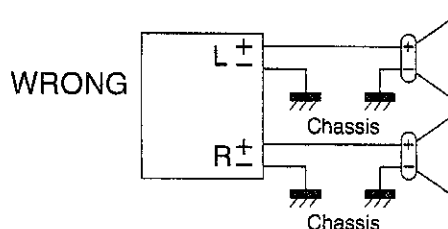
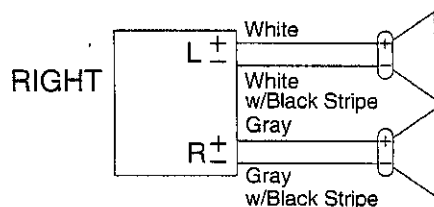


# Speaker Connections

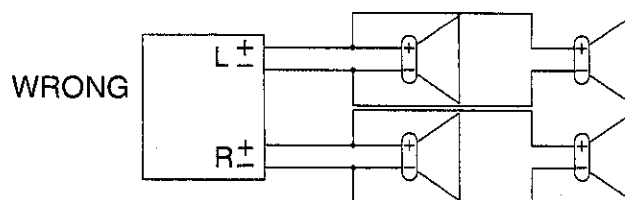
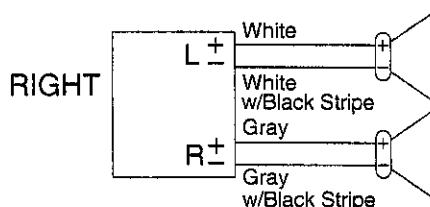
## Caution:

1. Use ungrounded speakers only.
2. The speakers to be used with this unit should be able to handle more than 45 W (CQ-DF600W) or 40 W (CQ-DF200W) of audio power. If an optional amplifier is used, the speakers should be able to handle the maximum output power of the amplifier. Use of speakers with small input ratings can cause damage to the speakers.
3. The speaker impedance should be 4–8 ohms. If the impedance is too large or too small, it affects the output and may cause damage to the speakers or this unit.
4. Do not use 3-wire type speaker system having a common earth lead. Never connect the speaker cord to the body of the car. This unit uses the BTCL circuit, so each speaker should be connected separately using parallel vinyl insulated cords.
5. The speaker cords and the power amplifier unit should be kept away (about 30 cm apart) from the antenna and antenna extension cord.
6. Follow the connection diagram below carefully. Failure to do so may cause damage to both unit and speakers.

- Unit will be damaged if speakers (Front, Rear) are not connected properly.



- Do not connect more than one speaker to one set of speaker leads.





# Error Display Messages

## □ CD

CD --E1--	Appears on the display when the compact disc is dirty or upside down. Press [OPEN] to open the front panel, then press [▲] to eject the disc.
CD --E2--	Appears on the display when compact disc is scratched. Press [OPEN] to open the front panel, then press [▲] to eject the disc.
CD --E3--	Appears on the display when the compact disc stops operating for some reason. Turn off the car engine (accessory off) and remove the fuse from the yellow lead for 1 minute. Then reinstall the fuse.

## □ CD Changer

CDC 3E1 ▲ DISC No.	Appears on the display when the compact disc is dirty or upside down. Selects the next available compact disc.
CDC 3E2 ▲ DISC No.	Appears on the display when compact disc is scratched. Selects the next available compact disc.
CDC --E3--	Appears on the display when the unit stops operating for some reason. Press [RESET] on the CD changer (optional).
NO DISC	Appears on the display when there is no disc in the magazine.

### Cautions:

1. This product is not designed for any 8 cm CD.
2. If you insert an 8 cm CD and can not eject it, turn ACC of your car off once and turn it on again, then press EJECT.

# Disc Notes

## ❑ Handling and Cleaning

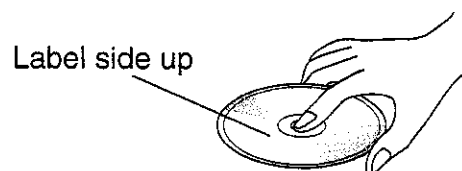
**ONLY USE DISCS CARRYING LABEL SHOWN ON THE RIGHT**



- Dirt, dust, scratches and warping discs will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damaging.
- Do not place discs in the following places:
  1. Direct sunlight.
  2. Dirty, dusty and damp areas.
  3. Near car heaters.
  4. On the seats or dashboard.

### Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moistured with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.



Label side up



Do not touch the underside of the disc.



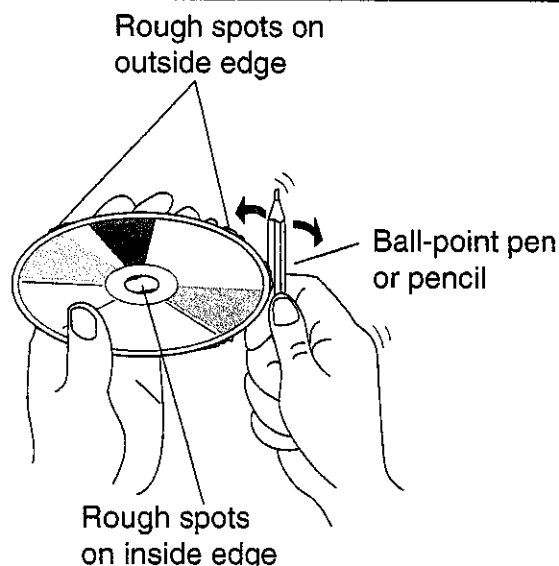
Do not bend.



Wipe the disc from center toward the outside edge.

## ❑ Preparing New Discs with Rough Spots

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the CD player will not play the disc. Therefore, remove the rough edges in advance by using a ball-point pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.



Rough spots on outside edge

Rough spots on inside edge

Ball-point pen or pencil

## Fuse

Be sure to use a fuse of the specified rating (15 A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a fire hazard or damage to the unit. If the replacement fuse fails, consult your nearest authorized Panasonic Service Center.

## Maintenance

To clean the exterior of this unit, use a soft cloth to wipe the surface. Do not use benzine, thinner or any other type of solvents.

# Specifications

## General

Power Supply	: 12 V DC (11 V–16 V), test voltage 14.4 V, negative ground
Maximum Power Output	: 45 W×4 channels at 400 Hz, volume control maximum (CQ-DF600W) : 40 W×4 channels at 400 Hz, volume control maximum (CQ-DF200W)
Power Output	: 22 W×4 (DIN 45 324, at 4Ω) (CQ-DF600W) : 20 W×4 (DIN 45 324, at 4Ω) (CQ-DF200W)
Tone Adjustment Range	: Bass; ±12 dB at 100 Hz, Treble; ±12 dB at 10 kHz
Pre-Amp Output Voltage	: 2.0 V (CD play mode; 1 kHz 0 dB)
Sub-Woofer Output Voltage	: 2.0 V (CD play mode; 1 kHz 0 dB) (Only for CQ-DF600W)
Output Impedance	: 200 Ω
Suitable Speaker Impedance	: 4–8 Ω
Current Consumption	: Less than 2.2 A (CD play mode; 0.5 W×4)
Dimensions (W×H×D)	: 178×50×150 mm
Weight	: 1.5 kg

## AM Radio

Frequency Range	: 531–1,602 kHz
Usable Sensitivity	: 28 dB/μV (25 μV, S/N 20 dB)

## FM Stereo Radio

Frequency Range	: 87.5–108.0 MHz
Usable Sensitivity	: 6 dB/μV (S/N 30 dB)
Stereo Separation	: 42 dB at 1,000 Hz

## CD Player

Sampling Frequency	: 32 times oversampling
DA Converter	: MASH•1 bit/4 DAC system
Error Correction System	: Panasonic super decoding algorithm
Pick-Up Type	: Astigma 3-beam
Light Source	: Semiconductor laser
Wavelength	: 780 nm
Frequency Response	: 20 Hz–20,000 Hz, ±1 dB
Signal/Noise Ratio	: 96 dB
Total Harmonic Distortion	: 0.01% (1,000 Hz)
Wow and Flutter	: Below measurable limits
Channel Separation	: 75 dB

### Note:

Specifications and design are subject to modification, without notice, due to improvements in technology.