# Panasonic

Cassette Player/Receiver with Changer Control

# CQ-RD152/RD142/RD132N
## Operating Instructions

**Bedienungsanleitung**
**Manuel d'instructions**
**Gebruiksaanwijzing**
**Manuale di istruzioni**
**Manual de Instrucciones**
**Instrukcja obługi**

PANASONIC
INTELLIGENT

R·D·S
EON

- Please read these instructions carefully before using this product and keep this manual for future reference.
- Bitte lesen Sie diese Bedienungsanleitung vor der Verwendung dieses Produktes aufmerksam durch und bewahren Sie sie danach für spätere Nachschlagzwecke sorgfältig auf.
- Prière de lire ces instructions attentivement avant d'utiliser le produit et garder ce manuel pour l'utilisation ultérieure.
- Leest u deze instructie alstublieft zorgvuldig door voor u dit product in gebruik neemt en bewaar deze handleiding voor later gebruik.
- Si prega di leggere attentamente queste istruzioni prima di usare questo prodotto e di conservare questo manuale per usi futuri.
- Lea con atención estas instrucciones antes de utilizar el producto y guarde este manual para poderlo consultar en el futuro.
- Przeczytaj uważnie instrukcję obsługi przed rozpoczęciem używania urządzenia i zachowaj ją do użytku w przyszłości.

# Contents

# Inhaltsverzeichnis

# Table des matières

# Inhoudsopgave

# Contenuto

# Indice

# Spis treści

**CQ-RD152/RD142/RD132N**

**CQ-RD152/RD142/RD132N**

# Precautions (ISO Connector)

- The pin arrangement of the power connector conforms to ISO standard.
- The pin arrangement of ISO connectors in some cars may differ from the ISO standard.
- Please check that the pin arrangement of the connector in your car conforms to ISO standard.

- For car types A and B, change the wiring of the red and yellow leads as shown at right.
- After connection, insulate the portions marked (※) with insulating tape.
**Note:** For cars other than types A and B, please consult your local car shop.

# Vorsichtsmaßnahmen (ISO-Stecker)

- Die Stiftanordnung des Versorgungssteckers entspricht dem ISO-Standard.
- Die Stiftanordnung der ISO-Stecker im manchen Fahrzeugen kann von dem ISO-Standard abweichen.
- Bitte stellen Sie sicher, daß die Stiftanordnung des Steckers in Ihrem Fahrzeug dem ISO-Standard entspricht.

- Für Fahrzeugtypen A und B die Verdrahtung der roten und gelben Kabel gemäß rechter Abbildung ändern.
- Nach der Verkabelung sollte unbedingt der durch (※) gekennzeichnete Teil mit Hilfe von Isolierbändern isoliert werden.
**Hinweis:** Für andere als die Fahrzeugtypen A und B wenden Sie sich bitte an Ihre örtliche Werkstatt.

# Mesures de précaution (connecteur ISO)

- La disposition des broches du connecteur d'alimentation est conforme aux normes ISO.
- La disposition des broches des connecteurs ISO de certaines voitures risque d'être différente par rapport aux normes ISO.
- Vérifier si la disposition des broches du connecteur de votre voiture est conforme aux normes ISO.

- En ce qui concerne les véhicules des types A et B, modifier le câblage des fils rouge et jaune comme indiqué ci-contre.
- Une fois le branchement réalisé, isoler les sections identifiées par le signe (※) avec de l'adhésif isolant.
**Remarque:** En ce qui concerne les véicules des types A et B, veuillez vous renseigner auprès de votre concessionnaire automobile habituel.

# Voorzorgsmaatregelen (ISO aansluiting)

- De pennen van de stroomaansluiting voldoen aan de vereisten van de ISO standaard.
- De pennen van ISO aansluitingen in sommige auto's kunnen verschillen van de ISO standaard.
- PControleer of de pennen van de aansluiting in uw auto voldoen aan de ISO standaard.

- Voor auto's van de types A en B dienen de rode en gele draden gewijzigd te worden zoals rechts staat aangegeven.
- Na het aansluiten moeten de plekken die zijn aangegeven met (※) afgeplakt worden met isolatieband.
**Opmerking:** voor auto's van andere types dan A en B dient u uw plaatselijke garage te raadplegen.

# Precauzioni (Connettore ISO)

- La disposizione dei pin del connettore di alimentazione è conforme allo standard ISO.
- La disposizione dei pin dei connettori ISO in alcune automobili potrebbe differire dallo standard ISO.
- Accertarsi che la disposizione dei pin del connettore dell'automobile sia conforme allo standard INSTALLATO.

- Per le macchine del tipo A e B, cambiare i collegamenti dei cavi rosso e giallo come mostrato a destra.
- Dopo il collegamento, isolare le parti contrassegnate collegare (※) usando del nastro isolante.
**Nota:** Per le macchine diverse dal tipo A e B, rivolgersi a una autorivendita locale.

# Precauciones (conector ISO)

- La disposición de las patillas del conector de alimentación satisface las normas ISO.
- La disposición de las patillas de los conectores ISO de algunos vehículos puede ser distinta de las normas ISO.
- Compruebe que la disposición de las patillas del conector de su vehículo satisfaga las normas ISO.

- Para los tipos A y B de vehículos, cambie las conexiones de los cables rojo y amarillo como se muestra a la derecha.
- Después de la conexión, aísle las partes marcadas con (※) usando cinta aislante.
**Nota:** Para los vehículos que no sean de los tipos A y B, consulte a su taller mecánico local.

# Ostrzeżenia (złącze ISO)

- Układ igieł na złączu zasilania odpowiada normie ISO.
- W niektórych samochodach układ igieł konektora ISO może się różnić od normy ISO.
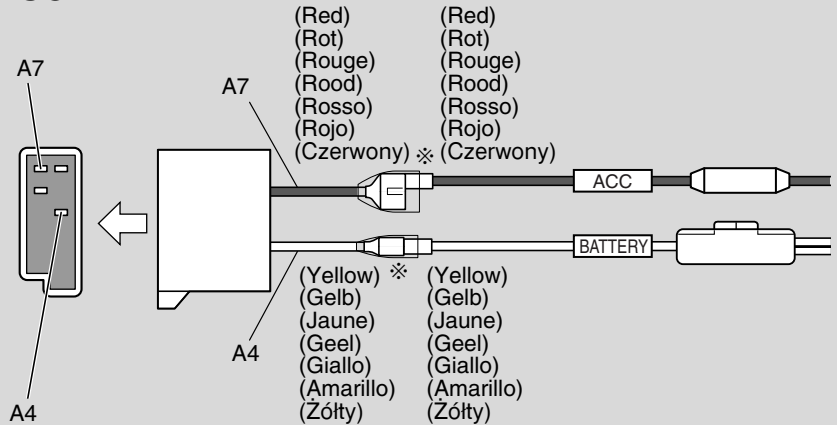- Sprawdź czy układ igieł złącza w samochodzie odpowiada normie ISO.

- W wypadku samochodów typu A i B zmień okablowanie czerwonego i żółtego doprowadzenia jak pokazano po prawej.
- Po podłączeniu zaizoluj części oznaczone (※) taśmą izolacyjną.
**Uwaga:** W wypadku samochodów innych niż typ A i B należy skonsultować się z lokalnym warsztatem samochodowym.

**CQ-RD152/RD142/RD132N**

## ISO Standard ISO

- IGN or ACC switched 12V supply
- Zündschalter (ACC/IGN)
- Sélecteur ACC/IGN
- ACC/IGN schakelaar
- Interruttore ACC/IGN
- Llave ACC/IGN
- IGN lub ACC przełączane zasilanie 12 V

- +12 V Battery (Permanent supply)
- +12 V-Batterie
- Batterie +12 V
- +12 V accu
- Batteria +12 V
- +12 V Batería
- Akumulator +12 V (Zasilanie stałe)

A7

A4

(Red) (Red)
(Rot) (Rot)
(Rouge) (Rouge)
(Rood) (Rood)
(Rosso) (Rosso)
(Rojo) (Rojo)
(Czerwony) ※ (Czerwony)

ACC
BATTERY

(Yellow) ※ (Yellow)
(Gelb) (Gelb)
(Jaune) (Jaune)
(Geel) (Geel)
(Giallo) (Giallo)
(Amarillo) (Amarillo)
(Żółty) (Żółty)

## A Car Type A

- +12 V Battery (Permanent supply)
- +12 V-Batterie
- Batterie +12 V
- +12 V accu
- Batteria +12 V
- +12 V Batería
- Akumulator +12 V (Zasilanie stałe)

- IGN or ACC switched 12V supply
- Zündschalter (ACC/IGN)
- Sélecteur ACC/IGN
- ACC/IGN schakelaar
- Interruttore ACC/IGN
- Llave ACC/IGN
- IGN lub ACC przełączane zasilanie 12 V

A7

A4

(Red) (Red)
(Rot) (Rot)
(Rouge) (Rouge)
(Rood) (Rood)
(Rosso) (Rosso)
(Rojo) (Rojo)
(Czerwony) ※ (Czerwony)

BATTERY
ACC

(Yellow) ※ (Yellow)
(Gelb) (Gelb)
(Jaune) (Jaune)
(Geel) (Geel)
(Giallo) (Giallo)
(Amarillo) (Amarillo)
(Żółty) (Żółty)
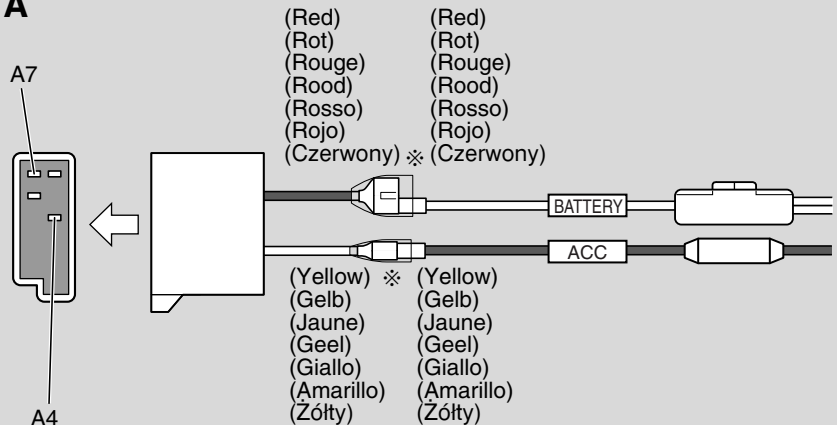
## B Car Type B

- +12 V Battery (Permanent supply)
- +12 V-Batterie
- Batterie +12 V
- +12 V accu
- Batteria +12 V
- +12 V Batería
- Akumulator +12 V (Zasilanie stałe)

- No connection
- Kein Anschluß
- Non connecté
- Niet aangesloten
- Non collegato
- Sin conexión
- Bez połaczenia

A7

A4

(Red) (Red)
(Rot) (Rot)
(Rouge) (Rouge)
(Rood) (Rood)
(Rosso) (Rosso)
(Rojo) (Rojo)
(Czerwony) ※ (Czerwony)

ACC
BATTERY

(Yellow) ※ (Yellow)
(Gelb) (Gelb)
(Jaune) (Jaune)
(Geel) (Geel)
(Giallo) (Giallo)
(Amarillo) (Amarillo)
(Żółty) (Żółty)

**CQ-RD152/RD142/RD132N**
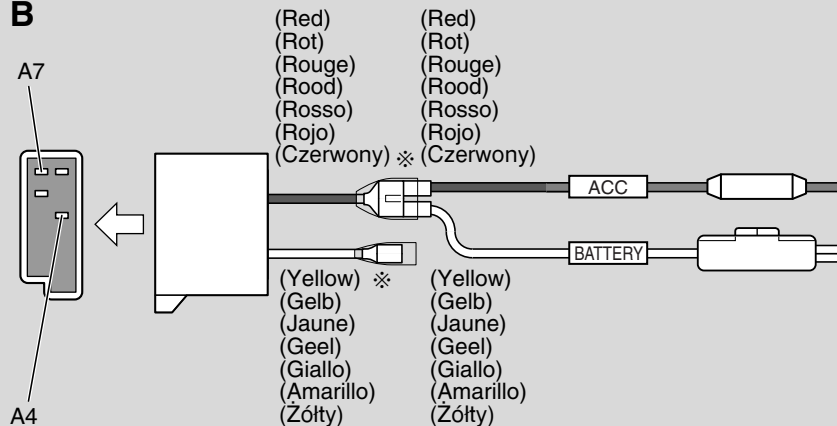
**Panasonic** welcomes you to their constantly growing family of electronic products owners.
We endeavor to give you the advantages of precise electronic and mechanical engineering, manufactured with carefully selected components, and assembled by people who are proud of the reputation their work has 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.

# 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 shorts which may cause fire, or other damage, do not expose this product (including the speakers and tape) to water or excessive moisture.

### 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 and give the interior a chance to cool down before switching the unit on.

### Power Supply

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

### Tape Mechanism

Keep magnets, screwdrivers and other metallic objects away from the tape mechanism and tape head.

### 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.

**Note:** This operating instruction manual is for three models CQ-RD152N, CQ-RD142N and CQ-RD132N. The differences between three models are listed below.

| Features          Model | **CQ-RD152N** | **CQ-RD142N** | **CQ-RD132N** |
|---|---|---|---|
| Illumination Colors | Red/Blue | Amber | Green |

**CQ-RD152/RD142/RD132N**

# Power and Sound Controls

## Power

Turn the key in the ignition until the accessory indicator lights.
**Power on :** Press **[PWR]** .
**Power off :** Press **[PWR]** again.

**Note:** When the power is switched off and on again, the volume slowly rises to the previous level.(at the volume level is more than level 20)
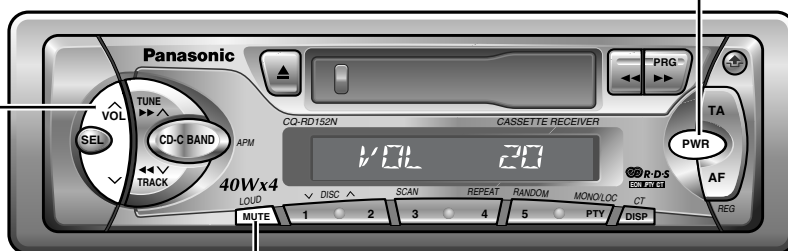
## Volume

**[∧VOL] :** Up
**[∨VOL] :** Down
Press and hold for rapid adjustment.

*VOL 20*

Volume Level (0 to 40)

## Mute

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

MUTE

## Loudness

Press and hold **[MUTE](LOUD)** for more than 2 seconds to enhance bass and treble tones at low or medium volume.
Press and hold **[MUTE](LOUD)** again to cancel.

LOUD

## Audio Mode (Volume/Bass/Treble/Balance/Fader)

Press **[SEL]** to select the audio mode. Press **[∧VOL]** or **[∨VOL]** to change each level.

| Regular Mode |
|---|

| Volume | *VOL 20* (0 to 40) |
| Bass | *BAS+ 3dB* (–12 to +12) |
| Treble | *TRE+ 3dB* (–12 to +12) |
| Balance | *BAL+ L 2* (Left / Right: 1 to 15) ( *BAL CNT* (center) ) |
| Fader | *FAD+ F 3* (Front / Rear: 1 to 15) ( *FAD CNT* (center) ) |
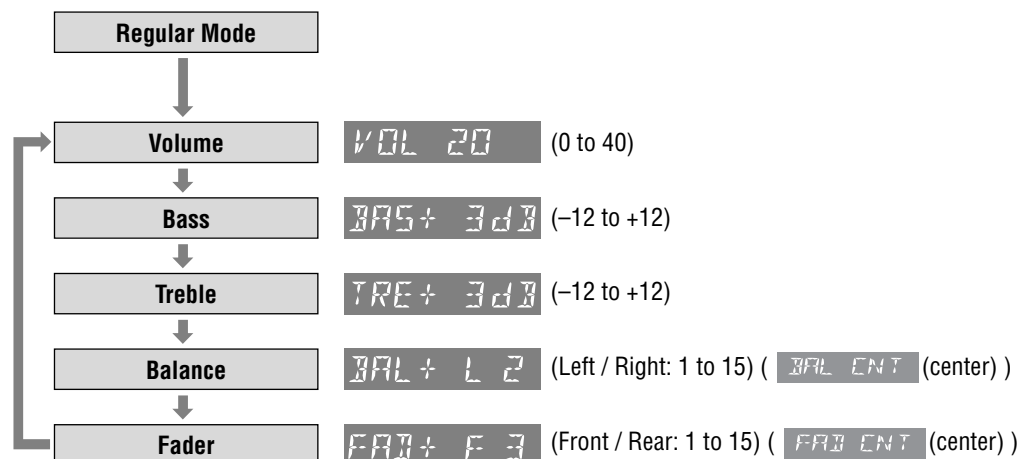
**Note:** If no operation takes place for more than 5 seconds in the audio mode (2 seconds in Volume mode), the display returns to Regular Mode.

# Radio Basics

## ❶ Mode Selection

You can switch to the radio mode as shown below.

From: | **Tape Mode** | ▶ Eject a tape.

**CD Changer Mode** ▶ Press **[BAND]**.

## ❷ Band

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

**ST** *FM1 87.50*

Band

FM1
↓
FM2
↓
FM3
↓
AM (LW/MW)

FM stereo indicator
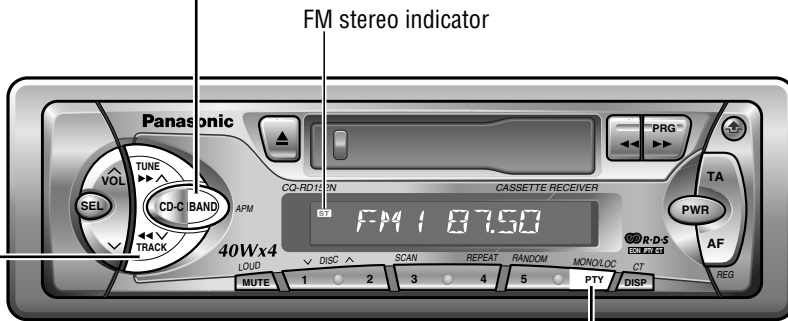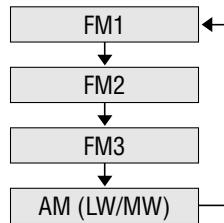
Panasonic

CQ-RD132N    CASSETTE RECEIVER

**ST** *FM1 87.50*

TUNE
VOL
SEL   CD-C BAND   APM
TRACK
40Wx4
LOUD
MUTE   1   2   SCAN   3   4   REPEAT   RANDOM   5   MONO/LOC   PTY   CT   DISP

PRG
TA
PWR
AF
R·D·S
EON PTY ST
REG

## ❸ Manual Tuning

**[∧TUNE] :** Higher frequency
**[∨TUNE] :** Lower frequency

## Seek Tuning

Press and hold for more than 0.5 seconds then release.
**[∧TUNE] :** Higher frequency
**[∨TUNE] :** Lower frequency
Tuning will automatically stop when the signals of the next broadcast station are received.

## ❹ Mono/Local Selection (MONO/LOC)

**MONO :** Noise is significantly decreased when weak signals are received from an FM broadcast station.
**LOCAL :** Only strong signals of stations are searched for in seek tuning, while at the LOCAL OFF setting, relatively weak signals are also searched for.

### FM broadcasts

Press and hold **[PTY] (MONO/ LOC)** to change the mode. Release when at the desired point.

### AM broadcast

Press and hold **[PTY] (MONO/LOC)** to switch LOCAL mode on and off.

MONO OFF / LOCAL OFF
↓
MONO ON / LOCAL OFF
↓
MONO ON / LOCAL ON
↓
MONO OFF / LOCAL ON

LOCAL OFF
↕
LOCAL ON

**CQ-RD152/RD142/RD132N**
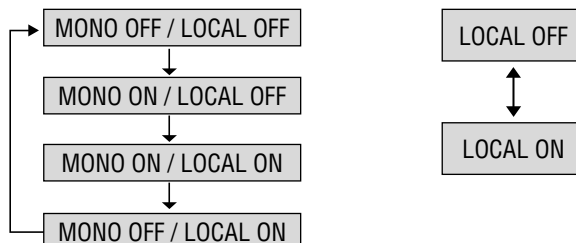
# Preset Station Setting

Up to 5 stations each can be saved in the FM1, FM2, FM3 and AM (LW/MW) preset station memories.

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

## ❶ Band

Press **[BAND]** to select a desired band. (➡ Page 8)

    FM1 102.50



## ❷ Auto Station Preset (APM)

Press and hold **[BAND] (APM)** for more than 2 seconds (Auto Preset Memory).

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

## ❸ Tuning in a Preset Station

Press the corresponding preset button **[1]** to **[5]** to tune in a preset station.

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

## Manual Station Preset

❶ Use manual or seek tuning to find a station. (➡ page 8)
❷ Press and hold one of the preset buttons **[1]** to **[5]** until the display blinks once.

    FM1 102.50 2

Preset Number

# RDS (Radio Data System)

## RDS Basics

**The following functions are available when receiving RDS stations.**

### PS Display

**(Program Service name)**

The name of station is displayed instead of the frequency.

### CT Service

**(Clock Time)**

When receiving an RDS station, the CT (Clock Time) service automatically adjusts the time.
"NO CT" is displayed in areas where CT service is not available.

### AF

**(Alternative Frequency list)**

When reception is poor, an RDS station broadcasting the same program is tuned in automatically.

## AF Mode

Default: AF mode is active
(Press **[AF]** on the main unit to switch the AF mode off or on)
**AF ON :** AF, Best Station and PI Seek function are active.

`AF`



## Preset Memory

### Auto Preset Memory

Auto preset of RDS stations works only when AF mode is on.

### Best Station Research

Best Station Research is automatically activated to store the station with the best reception for each preset button.

### PI (Program Identification) Seek

If Best Station Research does not work properly and reception is poor when tuning in a preset station, press **the same preset button again**. PI Seek will search an AF station with good reception.

## Display Change

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

**PS (Program Service Name)**(Default)



**Frequency** ↓  ↑ 3 seconds



**PTY Display** ↓



**CT (Clock Time)**



## REG (Region) Mode

Changes the selection range of AF, Best Station Research and PI Seek. Press and hold **[AF] (REG)**.



The frequency is changed only for programs within the region.

↕



The frequency is changed also for programs outside the region.

# Traffic Announcements

**Some RDS FM stations periodically provide traffic information.**

## TP
**(Traffic Program identification)**
Broadcasting of traffic information

## TA
**(Traffic Announcements identification)**
Radio announcements on traffic conditions

## TA Mode

Press **[TA]** to switch the TA mode on. (Press again to switch the TA mode off)
**TA ON :** If the station received is not a TP station, the unit automatically searches for a TP station to tune in to it. When the TP station received begins a traffic announcement, you can hear it from the unit.

TAon
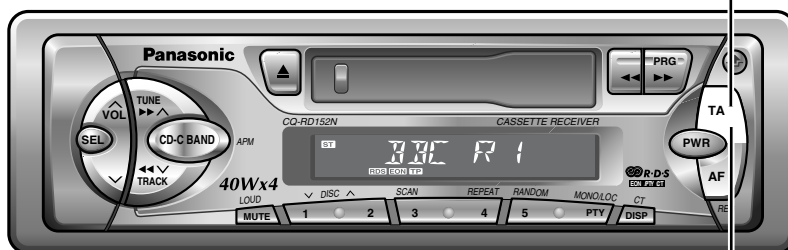


## Muting in TA Mode

To listen only to Traffic Announcements while muting, press and hold **[TA]** for more than 2 seconds.
To cancel the muting TA on mode (muting in TA mode → TA mode), take either following two.
● Press **[TA]** again.
● Press **[∧VOL]** several times.
**Note:** To switch to TA off, press **[TA]** again and hold for more than 2 seconds.

## TP Auto Search

When reception of a TP station is poor, TP Auto Search will automatically search for a TP station with better reception.

## Seek and Preset Station

**TP Seek Tuning**
Seek tunes only TP stations. (➡ Page 8)
**Auto TP Station Preset**
The 5 strongest TP stations are saved in memory. (➡ Page 9)
**Tuning in a TP Preset Station** (➡ Page 9)

## TA Stand by Mode

When TA is on, tape or CD changer playback will be interrupted by FM traffic announcements.

# RDS (Radio Data System) (continued)

## PTY Reception (Program Type)

**RDS FM stations provide a program type identification signal.**
**Example: news, rock, classical music, etc.**

## PTY Mode

**PTY ON** Take either following two.
- Press **[PTY]** to switch PTY mode on.
- Press **[DISP]** to select PTY mode.

**PTY OFF** Take either following two.
- Press **[PTY]** again to switch PTY mode off.
- Press **[DISP]** to select other than PTY mode.

**Note:** When there is no corresponding program type, "NO PTY" is displayed.



## PTY Search

While a program type is displayed, press **[∧TUNE]** or
**[∨TUNE]** to tune in to other station of the same PTY .



If PTY Search cannot find the same program from other stations, the search goes back to the station that was tuned in to just before PTY Search.

## PTY Preset Search

Program types are stored in memory under preset buttons
**[1]** to **[5]** as shown in the table below.

| Preset No. | Program Type | Display |
|---|---|---|
| 1 | News | NEWS 1 |
| 2 | Speech | SPEECH 2 |
| 3 | Sport | SPORT 3 |
| 4 | Pop. Music | POP M 4 |
| 5 | Classic Music | CLASSICS 5 |

① Select a program type by pressing the preset button.
The preset program type appears on the display for 5 seconds.
**(Example)** Press preset button **[1]**.



② Press the same preset button again (or press
**[∧TUNE]** or **[∨TUNE]**) to tune in the desired program type station.

**(Example)** Press preset button **[1]** again.

**CQ-RD152/RD142/RD132N**

# Other RDS Functions

## EON (Enhanced Other Networks)

When EON data is received, the EON indicator lights and the TA and AF functions are expanded as follows.

**TA :** Traffic information from the current and other network stations can be received.

**AF :** The frequency list of preset RDS stations is updated by EON data.

EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including that currently tuned in to. For example, if you preset a station far from home, you will later be able to receive the same station at an alternative frequency, or any other station serving the same program. EON also keeps track of locally available TP stations for quick reception.

## Emergency Announcement Reception

When an emergency announcement is broadcast, the unit is automatically switched to receiving that broadcast. If this happens in a mode other than radio mode (tape mode, CD Changer mode) or in Muting in TA mode, "ALARM" blinks on the display.

# Cassette Tape Player Basics

## Mode Selection

You can switch to the cassette player mode as shown below.

From: CD Changer Mode
▶ Insert a cassette tape.
Radio Mode

**Note:** You can not select CD Changer mode or Radio mode while tape playing.
If you want to select CD Changer mode or Radio mode, eject the tape.

## Tape Insert and Playback

Insert a cassette tape. Playback will start automatically.

## Stop and Tape Eject

Press **[⏏]** to stop tape play and eject the cassette tape.
The unit will be automatically switched back to radio mode.

Eject

Exposed end
(Open end)
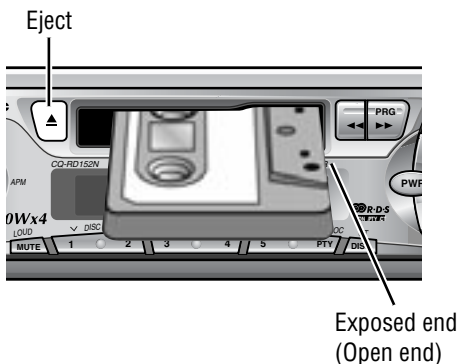
## Notes on Cassette Tape

**Tape Slack:**

Use a pencil or similar object to take up the slack as shown. If a loose tape is used, this may result in the tape becoming tangled in the rotating parts of the unit.

Pencil

Exposed end
(Open end)

Do not touch or pull out the tape.
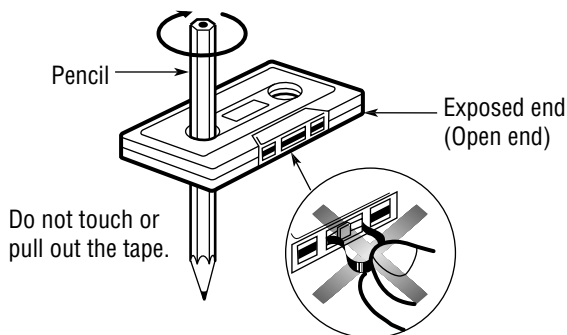
**Notes:**
- To maintain your cassette player in top condition, avoid using tapes that are longer than 90 minutes (C-90).
- If you insert into the unit a cassette with a loose tape caused by forcing it into cassette with a finger or the like, the cassette may not be properly reproduced. In such a case, eject the cassette, make the tape tight, then insert it back into the deck.
- Always remove the cassette when you stop using the cassette player. This will prolong the life of your tape.

**CQ-RD152/RD142/RD132N**
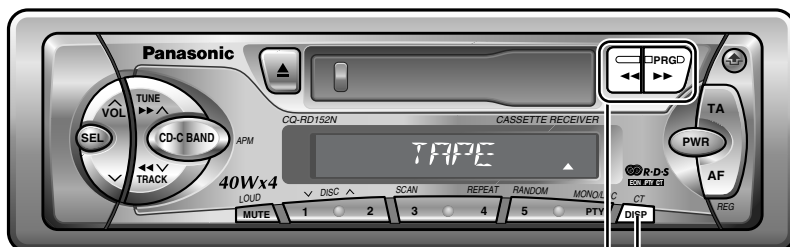
## Rewind and Fast Forward

The functions of **[◄◄]** and **[►►]** vary with the tape running direction as shown below.

### ▲ Top Side Play

**[◄◄]** : Rewind (To cancel, press **[►►]** softly)
**[►►]** : Fast forward (To cancel, press **[◄◄]** softly)

### ▼ Bottom Side Play

**[◄◄]** : Fast forward (To cancel, press **[►►]** softly)
**[►►]** : Rewind (To cancel, press **[◄◄]** softly)



## Play Side Change

Press **[◄◄]** and **[►►]** at the same time.


Top Side Playing


Bottom Side Playing

## Display Change

Press **[DISP]** to switch to the clock display.
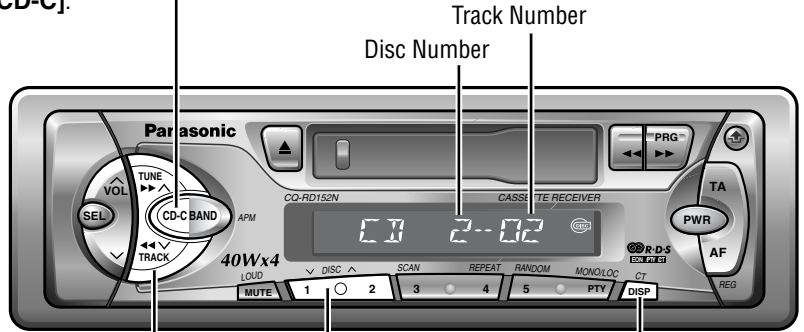Press again to cancel.

# CD Changer Basics

## Mode Selection

You can switch to the CD Changer mode as shown below.

From: | **Radio Mode** | ▶ Press **[CD-C]**.

| **Tape Mode** | ▶ Eject a cassette tape.
➡ Press **[CD-C]**.

Track Number

Disc Number

## Track Selection

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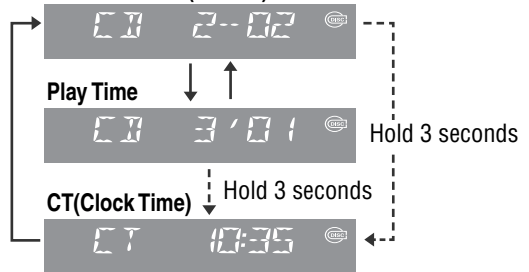Back to previous track. (Press twice)

## Fast Forward and Fast Reverse

Press and hold
**[▶▶TRACK] :** Fast forward
**[◀◀TRACK] :** Fast reverse
Release to resume the regular CD changer play.

## Disc Selection

**[1]** (∨**DISC**): Previous disc.
**[2]** (∧**DISC**): Next disc.

## Display Change

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

**Disc and Track (Default)**

C3   2--02

**Play Time**

C3   3'01

Hold 3 seconds

**CT(Clock Time)**   Hold 3 seconds

CT   10:35

## Error Display Messages

| C3 ▮E1 DISC No. | Appears on the display when the compact disc is dirty or inverted. The next available compact disc will be selected automatically. |
|---|---|
| C3 ▮E2 DISC No. | Appears on the display when compact disc is scratched. The next available compact disc will be selected automatically. |
| C3 E3 | Appears on the display when the unit stops operating for some reason. Press the reset switch on the CD changer. |
| C3 □□□□ | Appears on the display when there is no disc in the magazine. |

**Note: The CD Changer functions are designed for an optional CD changer unit.**

# Various Way of Listening
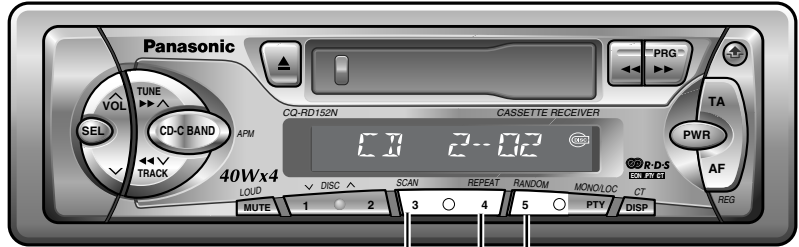


## Track Scan

● Press **[3] (SCAN)**.
The first 10 seconds of each track of all discs are played in sequence.
● Press again to cancel.
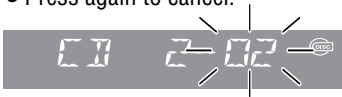


## Track Repeat

● Press **[4] (REPEAT)**.
The current track is repeated.
● Press again to cancel.



## Random Play

● Press **[5] (RANDOM)**.
All tracks on all discs in the magazine are played in random order.
● Press again to cancel.

# 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°.

30° or less
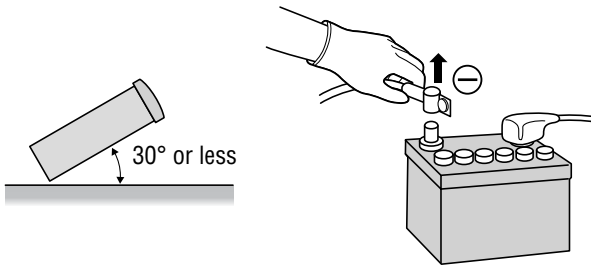
**Caution:** Do not disconnect the battery terminals of a car with trip or navigational computer since all user settings stored in memory will be lost.  Instead take extra care with installing the unit to prevent shorts.

### Dashboard Installation
**Installation Opening**
The unit can be installed in any dashboard having an opening as shown at right.
The dashboard should be

53 mm

182 mm

4.5 mm - 6 mm thick in order to be able to support the unit.
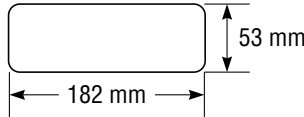
**Installation Precautions**
This product should be installed by a professional installer, if possible.
In case of difficulty, please consult your nearest authorized Panasonic Service Center.
1. This system is to be used only in a 12-volt, DC battery system (car) with negative ground.
2. Follow the electrical connections carefully (➡ Page 22). 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.

- We strongly recommend that you wear gloves for installation work to protect yourself from injuries.

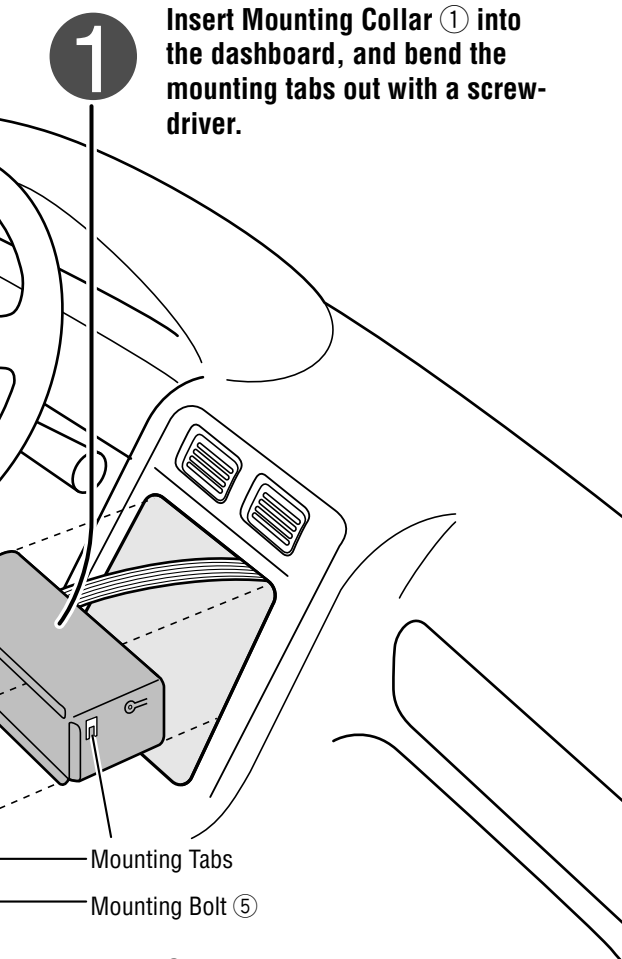First complete the electrical connections, and then check them for correctness.(➡ Page 22)

Lock Lever (※)

Power Connector ⑥
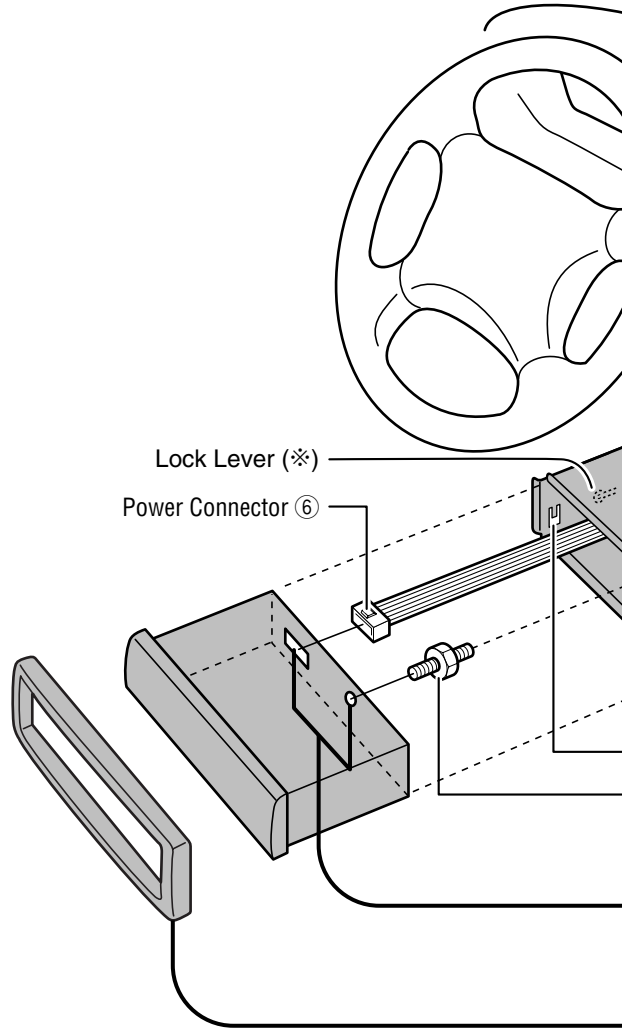
Make sure that the lock lever (※) is flush with the mounting collar (not projecting outward).

Lock Lever

**CQ-RD152/RD142/RD132N**

● When bending the mounting tab of the mounting collar with a screwdriver, be careful not to injure your hands and fingers.

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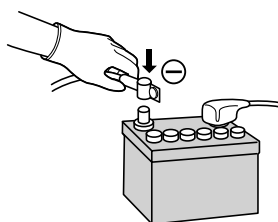
Mounting Tabs

Mounting Bolt ⑤

**2** **Secure the rear of the unit.**
After fixing Mounting Bolt ⑤ and Power Connector ⑥, fix the rear of the unit to the car body by either method (a) or (b) shown at right.
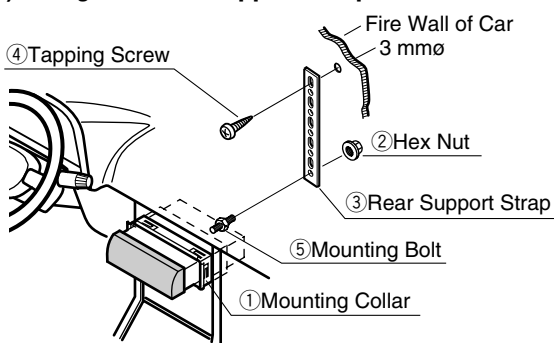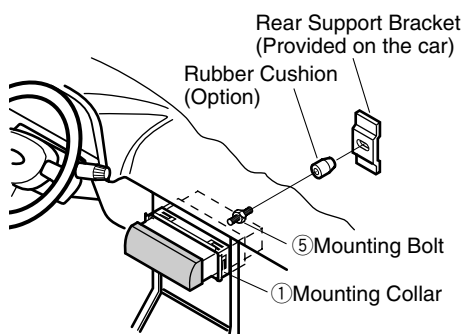
**3** **Insert Trim Plate ⑨.**

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

### Supplied Hardware

| No. | Item | Diagram | Q'ty |
|---|---|---|---|
| ① | Mounting Collar | | 1 |
| ② | Hex Nut (5 mmø) | | 1 |
| ③ | Rear Support Strap | | 1 |
| ④ | Tapping Screw (5 mmø x 16 mm) | | 1 |
| ⑤ | Mounting Bolt (5 mmø) | | 1 |
| ⑥ | Power Connector | | 1 |
| ⑦ | Dismounting Plate | | 1 |
| ⑧ | Removable Face Plate Case | | 1 |
| ⑨ | Trim Plate | | 1 |
| ⑩ | ISO Antenna Connector | | 1 |

**(a) Using the Rear Support Strap ③.**

Fire Wall of Car 3 mmø
④Tapping Screw
②Hex Nut
③Rear Support Strap
⑤Mounting Bolt
①Mounting Collar

**(b) Using the Rubber Cushion (Option)**

Rear Support Bracket (Provided on the car)
Rubber Cushion (Option)
⑤Mounting Bolt
①Mounting Collar

**CQ-RD152/RD142/RD132N**

19
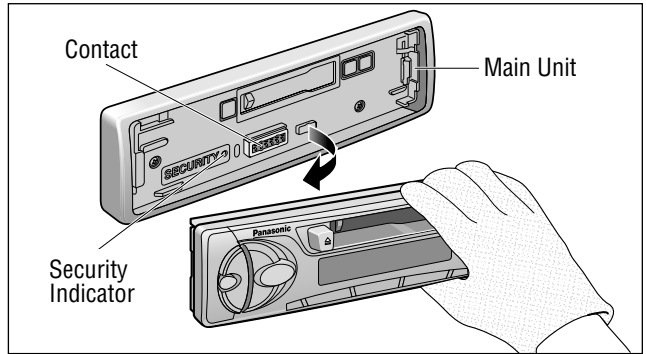
# Installation (continued)

## To Remove the Unit

1. Remove the removable face plate.
   (a) Press the release button **[ ⬆ ]**.

   (b) Pull on the right side of the unit.

   Contact — Main Unit

   Security Indicator

2. Remove the trim plate ⑨ with a screwdriver.

   ⑨Trim Plate

   Screwdriver

   ❶

   ❷
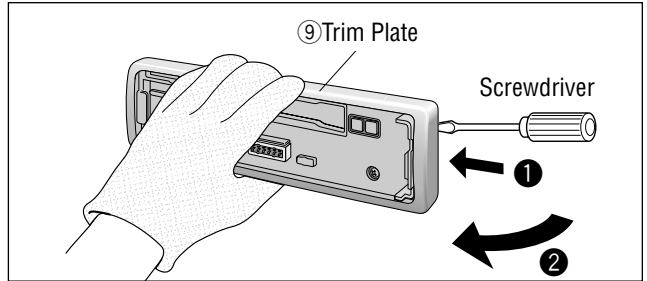
3. Pull out the unit while pushing down the lock lever with the dismounting plate ⑦.

   Lock Lever

   ⑦Dismounting plate
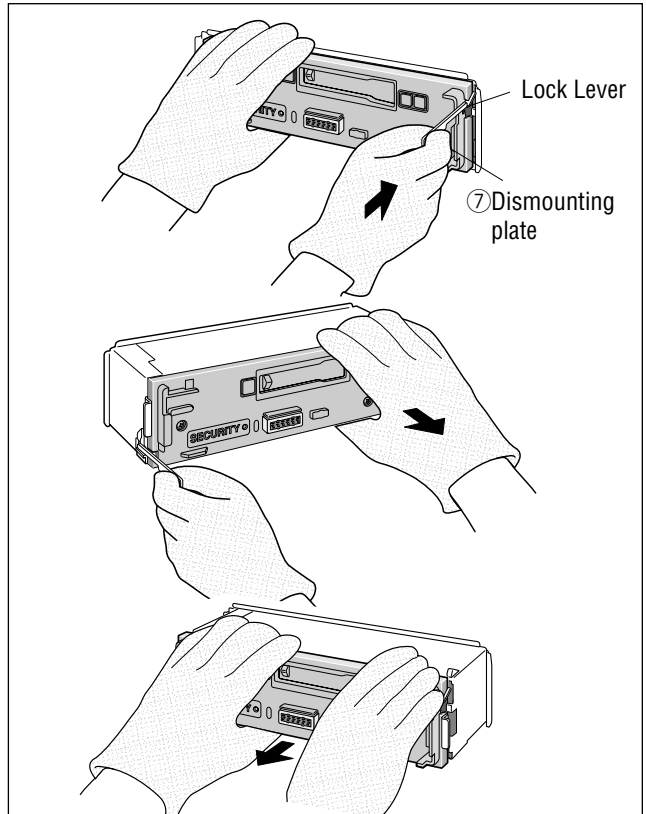
4. Remove the unit pulling with both hands.

---

**Cautions:**
- Do not touch the contacts on the face plate or on 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 clean and dry cloth.

**CQ-RD152/RD142/RD132N**

# Anti-Theft System

This unit is equipped with a removable face plate. Removing this face plate makes the radio totally inoperable.
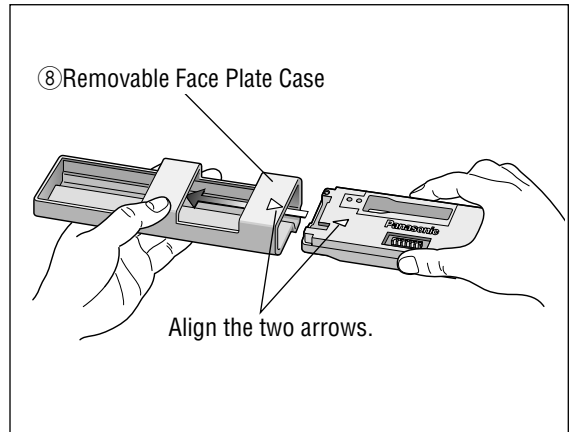
## Place Removable Face Plate into Case

❶ Switch off the power of the unit.

❷ Remove the removable face plate. (➡ Page 20)

❸ Insert the removable face plate with the arrow pointing toward the removable face plate case until you hear a "click". Keep the removable face plate in the case. Then you can bring the plate safely.



⑧Removable Face Plate Case

Align the two arrows.

## Security Indicator

The security indicator blinks when the removable face plate is removed from the unit.

● Press and hold **[SEL]**."LED ON" is displayed. The security indicator turns on.
● Press and hold **[SEL]** again to cancel.



LED ON ⟷ LED OFF
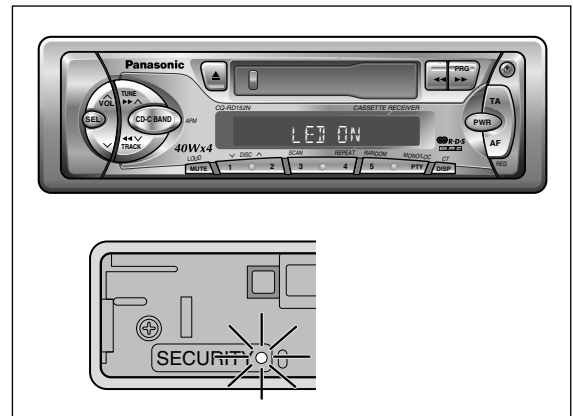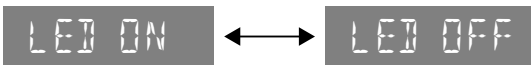
## Install Removable Face Plate

❶ Slide the left side of the removal face plate in place.
❷ Press the right end of removable face plate until "click" is heard.

# Electrical Connections

## Cable Wiring Diagram

**Example :** Connection with CD changer CX-DP88N (Option).

**CD Changer CX-DP88N**

**Ground Lead**
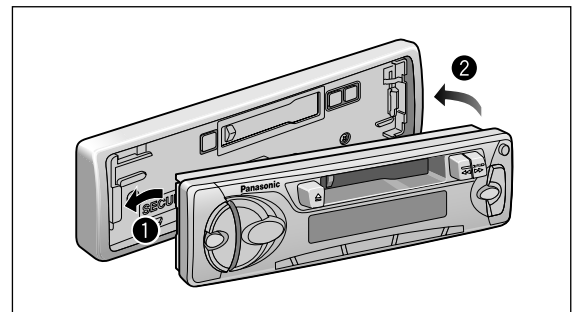To a clean, bare metallic part of the car chassis

**Extension Cord**
(DIN/BATT/RCA/GND)

(Black)

**Battery Lead**
To the car battery, continuous +12V DC

Fuse (3A)     (Yellow)

**Changer Control DIN Cord**

(L)(White)

**RCA Cord**     (R)(Red)

**CD Changer Control Connector**

Antenna

**Cassette Receiver CQ-RD152/RD142/RD132N**

⑩ **ISO Antenna Adapter** (If needed)

L(White)

R(Red)

**CD Changer Input Connector**

**Preamp Out Connector** (Rear)

⑥**Power Connector**

**Speakers**
Ⓑ (Brown)

Rear Left +
Rear Left –
Front Left +
Front Left –
Front Right +
Front Right –
Rear Right +
Rear Right –

(Green)

(White)     (Green w/black stripe)

(Gray)     (White w/black stripe)

(Violet)     (Gray w/black stripe)

(Violet w/black stripe)

(Black)

(Red)

(Dark blue)

(Yellow)

**Cautions:**
- To prevent damage to the unit, be sure to follow the connection diagram below.
- Strip about 5 mm of the lead ends for connection (only non-ISO connector cords).
- Do not insert the power connector into the unit until the wiring is completed.
- Be sure to insulate any exposed wires to prevent short circuiting with the car chassis. Bundle all cables, and prevent cable terminals from touching any metal parts.

- This unit can be connected to an optional CD changer (CX-DP9061/DP9060EN, CX-DP88N, CX-DP801/DP803EN or CX-DP601EN) and optional extension cord.
- For connection to a CD changer, refer to the operating instructions of the CD changer (CX-DP9061/DP9060EN, CX-DP88N, CX-DP801/803EN or CX-DP601EN).

**A5**
(Dark blue)

Ⓐ (Black)

Resistor(1kΩ)   ACC

Fuse(12A)   BATTERY

**A8 : Ground Lead** (Black)
To a clean, bare metallic part of the car chassis
**A7 : Power Lead (ACC or IGN)** (Red)
To ACC power, +12VDC
**A4 : Battery Lead** (Yellow)
To the car battery, continuous +12 V DC
**A5 :** (Dark blue)
**Motor Antenna Relay Control Lead**
(To Motor Antenna) (Max. 500mA)
This lead is not intended for use with a switch actuated power antenna.
**Amp·Relay Control Power Lead**
This lead is for connection to a Panasonic power amplifier.

**CQ-RD152/RD142/RD132N**

23

# Speaker Connections

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

**<Right>**



L + − (White)
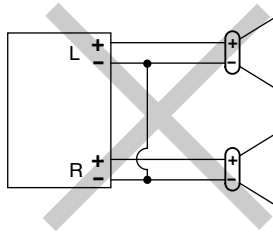(White w/black stripe)

R + − (Gray)
(Gray w/black stripe)
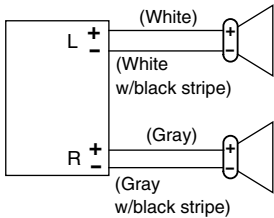
- Use ungrounded speaker only.
- The maximum speaker output should be 40 W or more.  (If used with the optional power amplifier, the speaker output should be higher than the maximum amplifier output.)
- The speaker impedance should be 4 - 8 Ω.
- This unit uses the BTCL circuit, so each speaker should 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.
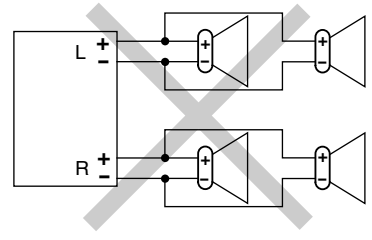
**<Wrong>**



Chassis
Chassis
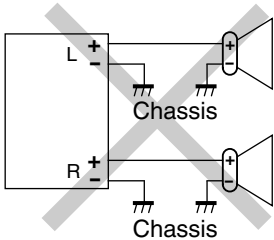




- Never connect the speaker cord to the body of the car.
- Do not use a 3-wire type speaker system having a common earth lead.
- Do not connect more than one speaker to one set of speaker leads.

# Fuse

Use fuses of the same specified rating (12 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.

# Maintenance

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

**CQ-RD152/RD142/RD132N**

# Specifications

| General | |
|---|---|
| Power Supply | : DC 12 V (11 V - 16 V), Test Voltage 14.4 V, Negative Ground |
| Tone Controls | : Bass;  ±12 dB at 100 Hz Treble;±12 dB at 10 kHz |
| Current Consumption | : Less than 2.5 A (tape mode, 0.5 W 4-Speaker) |
| Maximum Power Output | : 40 W x 4 (at 4 Ω) |
| Power Output | : 20 W x 4 (DIN45 324, at 4 Ω) |
| Speaker Impedance | : 4 - 8 Ω |
| Pre-Amp Output Impedance | : 600 Ω |
| Dimensions (Main Unit) | : 178(W) x 50(H) x 150(D) mm |
| Weight (Main Unit) | : 1.6 kg |

| FM Stereo Radio | |
|---|---|
| Frequency Range | : 87.5 - 108 MHz |
| Usable Sensitivity | : 6 dB/μV(S/N 30 dB) |
| Stereo Separation | : 35 dB (at 1 kHz) |

| MW Radio | |
|---|---|
| Frequency Range | : 531 - 1,602 kHz |
| Usable Sensitivity | : 28 dB/μV (S/N 20 dB) |

| LW Radio | |
|---|---|
| Frequency Range | : 153 - 279 kHz |
| Usable Sensitivity | : 32 dB/μV (S/N 20 dB) |

| Cassette Tape Player | |
|---|---|
| Reproduction System | : 4-track, 2-program stereo |
| Tape Speed | : 4.76 cm/sec. |
| FF/REW Time | : Less than 200 sec. (C-60) |
| Frequency Response | : 35 - 14,000 Hz (±3dB) |
| Wow and Flutter | : 0.12 % (WRMS) |
| Signal to Noise Ratio | : 52 dB |

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