

# Panasonic

MP3 WMA CD Player/Receiver with CD Changer Control

## CQ-C1400N

MP3 WMA CD Player/Receiver

## CQ-C1300AN/C1300GN



(CQ-C1400N)

**Operating Instructions**  
**Bedienungsanleitung**  
**Manuel d'instructions**  
**Gebruiksaanwijzing**  
**Bruksanvisning**  
**Manuale di istruzioni**  
**Manual de Instrucciones**  
**Instrukcja obsługi**



WMA

MP3



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

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

YEFM284135 ND1203-0 Printed in China

- 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.
- Läs igenom denna bruksanvisning noga innan produkten tas i bruk. Spara bruksanvisningen för framtida behov.
- Si prega di leggere attentamente queste istruzioni prima di usare questo prodotto e di conservare questo manuale per uso futuro.
- 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.

# Introduction

## CQ-C1400N

MP3 WMA CD Player/Receiver with CD Changer Control

## CQ-C1300AN/C1300GN

MP3 WMA CD Player/Receiver

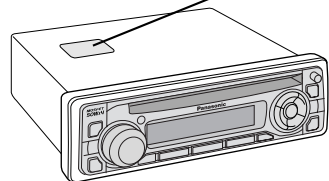
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## Laser Product

### Label Indications and Their Locations

**CAUTION**  
LASER RADIATION  
WHEN OPEN.  
DO NOT STARE INTO BEAM.

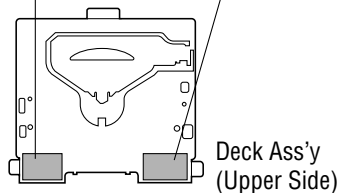


**CLASS 1 LASER PRODUCT**

- APPREIL À LASER DE CLASSE
- KLASS 1 LASER APPARAT
- LUOKAN 1 LASERPLAITE

#### Caution Label

CAUTION LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.	VARO! AVATTAESSA OLET ALTTIINA LASER-SÄTEILYLLÄ. ÄLÄ TUJOTA SÄTEESEEN.
VORSICHT LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT IN DEN STRAHL BLICKEN.	VARNING LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN.
ATTENTION RAYONNEMENT LASER EN CAS D'OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.	ADVARSEL LASERSTRÅLING NÄR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN.
ADVARSEL LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN.	



**Caution:** This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**Laser products:**  
Wave Length: 780 nm  
Laser Power: No hazardous radiation is emitted with safety protection.

**Do not take apart this unit or attempt to make any changes yourself.**  
This unit is a very intricate device that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

# Einleitung

## CQ-C1400N

MP3 WMA/CD-Player/Receiver mit CD-Wechslersteuerung

## CQ-C1300AN/C1300GN

CD-Player/Receiver mit MP3/WMA-Wiedergabe

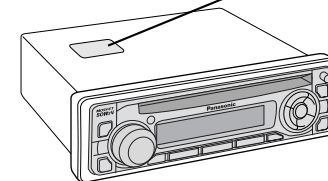
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## Laserprodukte

### Warnetiketten und deren Anbringungsart

**VORSICHT**  
LASERSTRAHLUNG,  
WENN ABDECKUNG GEÖFFNET.  
NICHT IN DEN STRAHL BLICKEN.

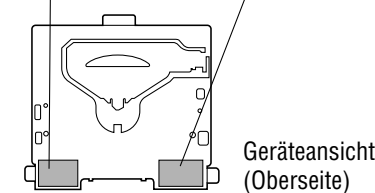


**Laserprodukt der Klasse 1**

- APPREIL À LASER DE CLASSE
- KLASS 1 LASER APPARAT
- LUOKAN 1 LASERPLAITE

#### Warnzeichen

CAUTION LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.	VARO! AVATTAESSA OLET ALTTIINA LASER-SÄTEILYLLÄ. ÄLÄ TUJOTA SÄTEESEEN.
VORSICHT LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT IN DEN STRAHL BLICKEN.	VARNING LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN.
ATTENTION RAYONNEMENT LASER EN CAS D'OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.	ADVARSEL LASERSTRÅLING NÄR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN.
ADVARSEL LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN.	



**Vorsicht:** Dieses Produkt verwendet Laserstrahlung. Die Verwendung und Einstellung von Reglern bzw. die Ausführung von anderen als in dieser Bedienungsanleitung beschriebenen Vorgängen kann zu gefährlicher Laserstrahlung führen.

**Laserprodukte:**  
Wellenlänge: 780 nm  
Laserleistung: Bei intakter Schutzvorrichtung entweicht keine gefährliche Laserstrahlung.

**Versuchen Sie niemals ein Zerlegen dieses Gerätes oder eigene Modifikationen.**  
Dieses Gerät verwendet Laserstrahlung zum Abtasten der Informationen von der Oberfläche der Compact Discs. Diese Laserstrahlung ist sorgfältig abgeschirmt, so daß die Laserstrahlung innerhalb des Gehäuses verbleibt. Versuchen Sie daher niemals ein Zerlegen des CD-Spielers oder eine Modifikation seiner Teile, da Sie sich sonst gefährlicher Laserstrahlung und Spannung aussetzen können.

**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

### 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.

### Disc Mechanism

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

### 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 Centre.

### For installation

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

### Note:

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

## Features

### Large-sized volume control

An large-sized rotary volume control that looks like one belonging to a Hi-Fi audio system is featured.

### CD Changer Control (only for CQ-C1400N)

You can connect the optional CD changer unit. For details, refer to the operating instructions on the CD changer unit.

### MP3/WMA Playback from CD-R/RW

You can play your MP3/WMA (Windows Media Audio) files as well as regular CDs. With up to 10 to 12 times\* the capacity of a conventional CD, a single MP3/WMA-encoded disc can keep you entertained throughout your entire journey.

\*Depending on bit rate.

### Note:

- This operating instruction manual applies to the following models. The differences among these models are mentioned below.
- All illustrations represent model CQ-C1400N unless otherwise specified.

Features	Model	CQ-C1400N	CQ-C1300AN	CQ-C1300GN
LCD Colour		White	Amber	Green
Key Colour		Red	Amber	Green
Face Colour		Plating silver	Plating black	Plating black
CD Changer Control		Supported	Not supported	Not supported
Maximum Power Output		50 W	45 W	45 W
Pre-out		Front / Rear	Rear	Rear

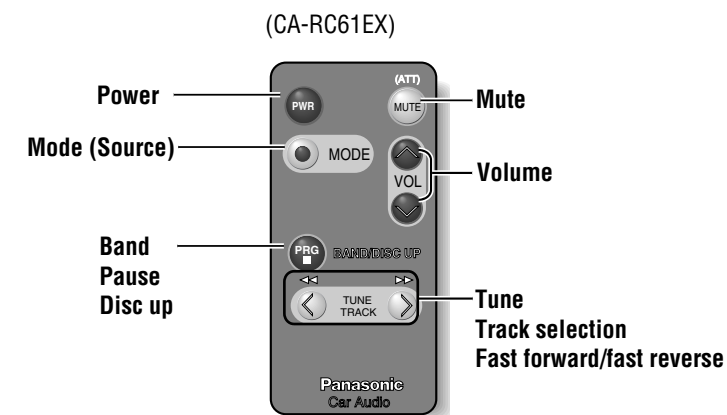
## Accessories

<p><b>Operating Instructions</b> (YEFM284135) Q'ty: 1</p>	<p><b>Installation Instructions</b> (YEFM293250) (YEFM293251) Q'ty: 1 set</p>	<p><b>Removable Face Plate Case</b> (YEFA131646) Q'ty: 1</p>	<p><b>Mounting Collar</b> (YEFX0215873) Q'ty: 1</p>	<p><b>Trim Plate</b> (YEFC05609) Q'ty: 1</p>
<p><b>Power Connector</b> (YEAJ02874) Q'ty: 1</p>	<p><b>ISO Antenna Adapter</b> (YEP0FZ3264) Q'ty: 1 set</p>	<p><b>Lock Cancel Plate</b> (YEP0FZ3264) Q'ty: 1 set</p>	<p><b>Mounting Bolt</b> (YEP0FZ3264) Q'ty: 1 set</p>	<p><b>Warranty Card, etc</b> (YEFM07405) Q'ty: 1</p>

### Note:

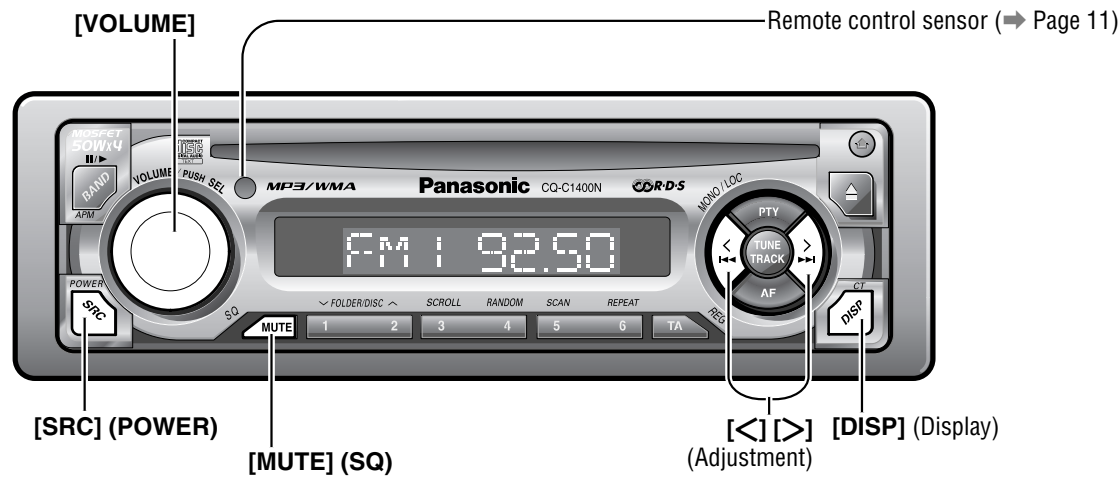
- The number in parenthesis underneath each accessory part name is the part number for maintenance and service.
- Mounting Collar ④ and Trim Plate ⑤ are mounted on the main unit at shipment.

## Remote Control Unit (Option)



- The optional remote control is available from your local dealer. (CA-RC61EX)

# General



## Power

Turn your car's ignition key to ACC or ON position.

**ON :** Press [SRC] (POWER).



**OFF:** Press [SRC] (POWER) again and hold for more than 1 second.

### Demonstration Message

When the power is switched on for the first time, a demonstration message appears on the display.

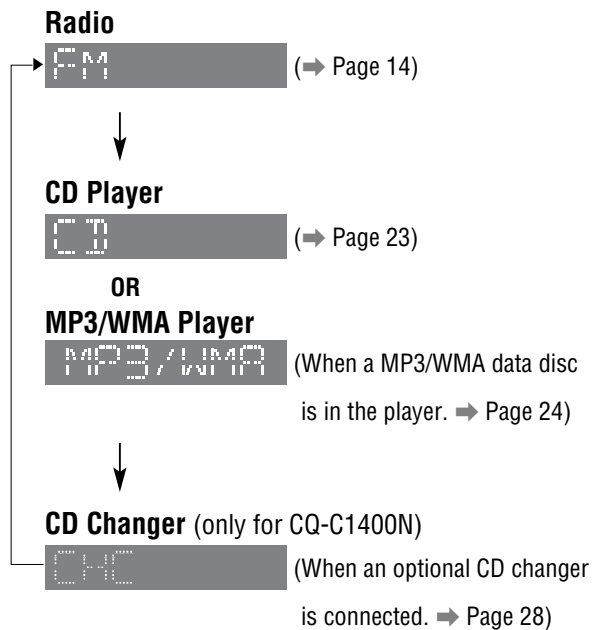
Press [DISP] to change to regular mode.



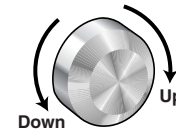
←←← Scrolling

## Source

Press [SRC] (Source) to change the source.



## Volume



Default: 18  
Setting Range : 0 to 40

### Note:

- The volume level can be set independently for each source. (For radio, one volume setting for AM, one volume setting for all FMs)

## Mute

[MUTE]

**ON:** Press [MUTE].

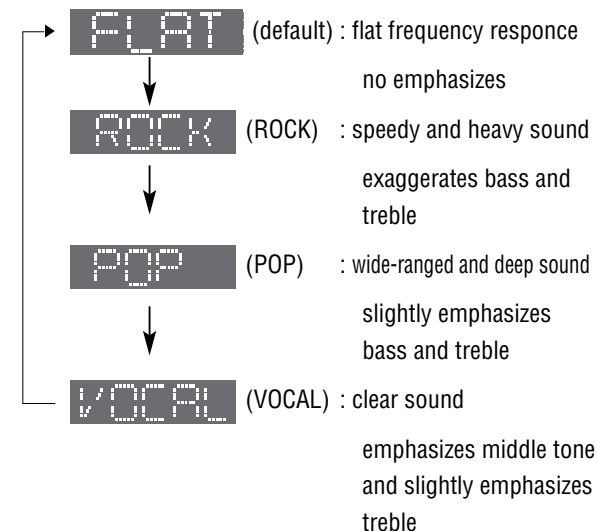
**OFF:** Press [MUTE] again.



MUTE indicator

## SQ (Sound Quality)

SQ is a function that can call up various sound types at the touch of button in accordance with your listening music type. Press and hold [MUTE] (SQ) for more than 2 seconds to select the sound type as follows:



### Note:

- If no operation takes place for more than 5 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 30).

## Clock Setting

The 24-hour system is used for the clock.

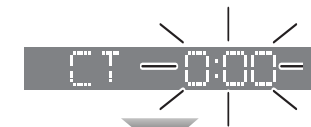
### Note:

- Adjust the clock when "NO CT" appears on the screen.

Select the radio **AM mode**. (→ Page 14)



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



Adjust the hour.

[>] : put forward hour.

[<] : put back hour.



Press [DISP] (CT).



Adjust the minute.

[>] : put forward minute.

[<] : put back minute.

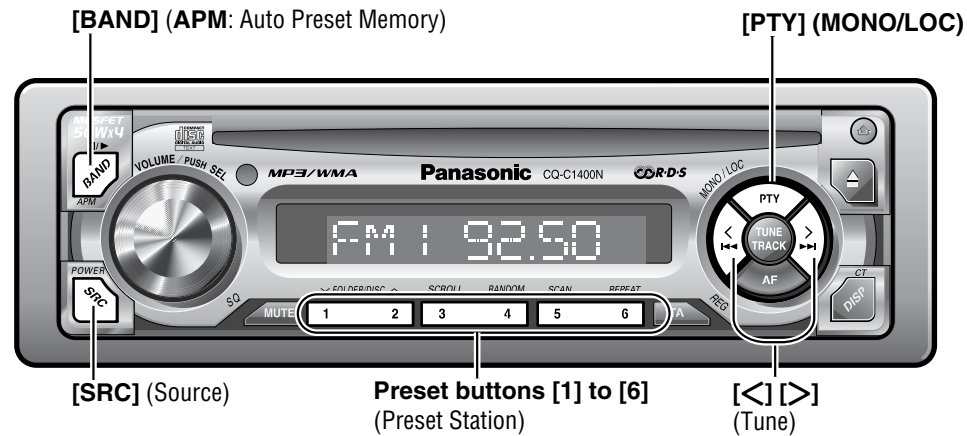


Press [DISP] (CT).



### Note:

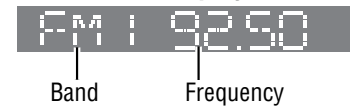
- When a broadcast of FM Radio Data System is received, the clock is put right automatically by the Clock Time service. (→ Page 16)



## 1 Radio Mode

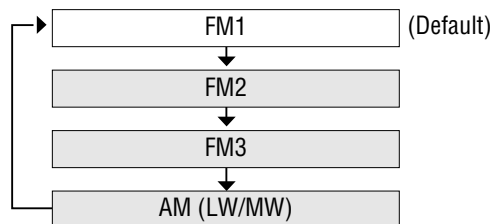
Press **[SRC]** (Source) to select the radio mode.

### Radio Mode Display



## 2 Band

Press **[BAND]**.



## 3 Tuning

**[>]**: Higher frequency  
**[<]**: Lower frequency  
 Press and hold **[>]** or **[<]** for more than 0.5 seconds, then release. Seeking will start.

## 4 Mono/Local Selection

**MONO**: Monaural reception. Select MONO to reduce noise when receiving a weak stereo broadcast.

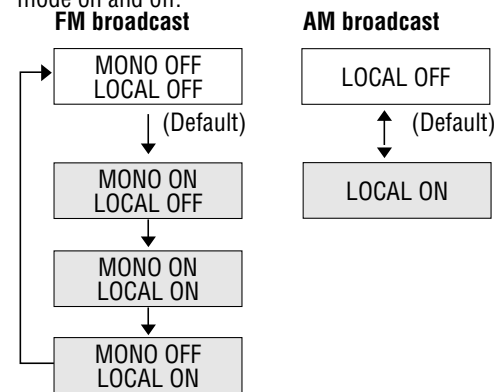
**LOCAL**: Only stations with good reception are detected in seek tuning.

### FM broadcasts

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

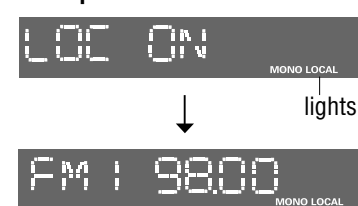
### AM broadcast

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



### MONO/LOCAL indicator

Example: MONO ON/LOCAL ON



## Station Preset

Up to 6 stations can be stored in each of the FM1, FM2, FM3 and AM (LW/MW) band selections.

### Caution:

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

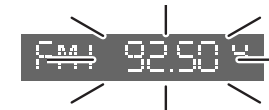
## Auto Preset Memory (APM)

Automatically save stations with good reception in the pre-set memory.

- Select a band. (→ Previous page)
- 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 number 1 to 6.

Once set, the preset stations are sequentially scanned for 5 seconds each. (scanning)



### Note:

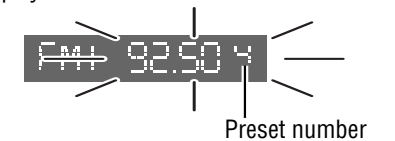
- To stop the scanning, press one of the buttons from **[1]** to **[6]**.
- Only RDS stations will be saved at default setting (AF ON). **To select non RDS stations too, set AF OFF.** (→ Page 17)

### Note:

- New stations overwrite existing saved stations after following this procedure.

## Preset Station Calling

- Select a band. (→ Previous page)
- Press one of the preset button from **[1]** to **[6]**.



Preset number

# Radio Data System (RDS)

## RDS Basics

Some FM stations are broadcasting added data compatible with RDS. This radio set offers convenient functions using such data.

RDS service availability varies with areas. Please understand if RDS service is not available in your area, the following service is not available, either. This chapter explains the summary and operation regarding RDS. The following functions are available when receiving RDS stations.

### Program Service Name (PS) Display

The name of station is displayed.



### Program Type (PTY) Display

RDS FM stations provide a program type identification signal.

Example: news, rock, classical music, etc. (→ Page 19)



### Alternative Frequency (AF)

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

### Traffic Program (TP)

Some RDS FM stations periodically provide traffic announcement.

The station which broadcast the traffic announcement is called Traffic Program (TP).

### Traffic Announcement (TA)

Radio announcements on traffic conditions.

### Clock Time (CT) Service

When receiving an RDS station, the CT service automatically adjusts the time.

“NO CT” is displayed in areas where CT service is not available. (→ Page 13 for Clock Setting)



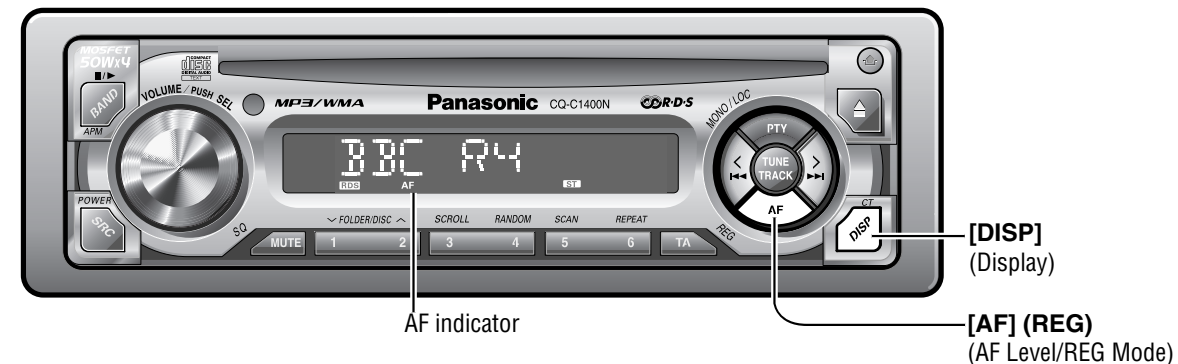
### Program Identification (PI)

Each program has its own number. This may be used to search for another frequency on which the same program is broadcast.

### Region (REG)

Each region has its own number. This may be used to identify the region where the station you are now listening to is located.

## Alternative Frequency (AF)



### Alternative Frequency (AF) Mode **AF**

Press **[AF]** to select one of the following AF modes.

AF ON : AF, Best Station Research and PI seek function are active.

- AF1 ON** : Low level AF operating sensitivity. (Default)
- AF2 ON** : High level AF operating sensitivity.
- AF OFF** : When the AF network of an RDS station is not required.

### Region (REG) Mode

Changes the selection range of AF, Best Station Research and PI seek.

Press and hold **[AF] (REG)** for more than 2 seconds to switch on and off.

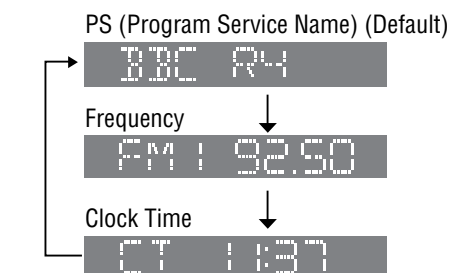
- REG ON** : The frequency is changed only for programs within the region.
- REG OFF** : The frequency is changed also for programs outside the region. (Default)

**Note:**

- When REG mode is switched from OFF to ON or vice versa, AF mode turns on automatically.

### Display Change

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



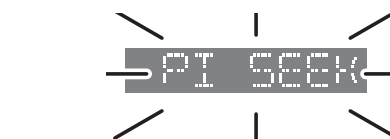
### Preset Memory (AF ON Setting)

#### Preset Station Calling (Best Station Research)

AF self-tuning allows you to select a station with good reception from the same network when the preset tuning is activated.

### For Poor Reception (PI Seek)

If reception becomes poor when tuning in a preset station, press the same preset number button. The same station with better reception will be searched for. Press the same preset number button again to cancel.



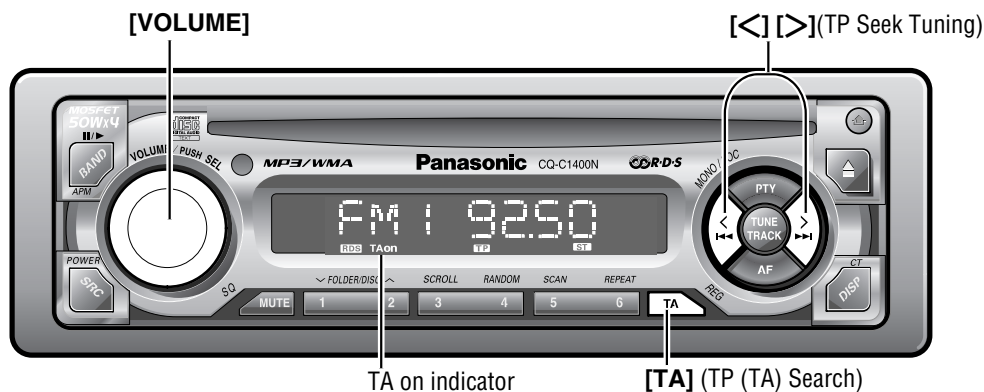
**Note:**

- For PI Seek, cancel the TA mode first, then execute PI Seek.

# Radio Data System (RDS) (continued)

## Traffic Announcement (TA)

Some RDS FM stations periodically provide traffic information.



### TP (TA) Search **TAon** (Default: OFF)

While the unit is receiving a non-TP station or TP station with poor reception, the unit will seek a TP station with good reception by pressing **[TA]** (TA mode) during reception of an FM station. When the TP station received begins a traffic announcement, you can hear it from the unit even in the other modes (TA standby or CD or MP3/WMA).



**TP Indicator**  
lights up during reception of TP station.

### Other TA functions

**TA Volume Set:** Traffic announcements are broadcast at the TA volume level. (➔ Page 30)

**TP Seek Tuning:** When TA ON is selected, only TP station will be searched. Press and hold **[<]** or **[>]** for more than 0.5 seconds, then release. Seeking will start.

**TP Auto Preset Memory:** When TA ON is selected, only TP station will be memorized automatically. (➔ Page 15 for auto preset memory)

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

### TA Standby Mode

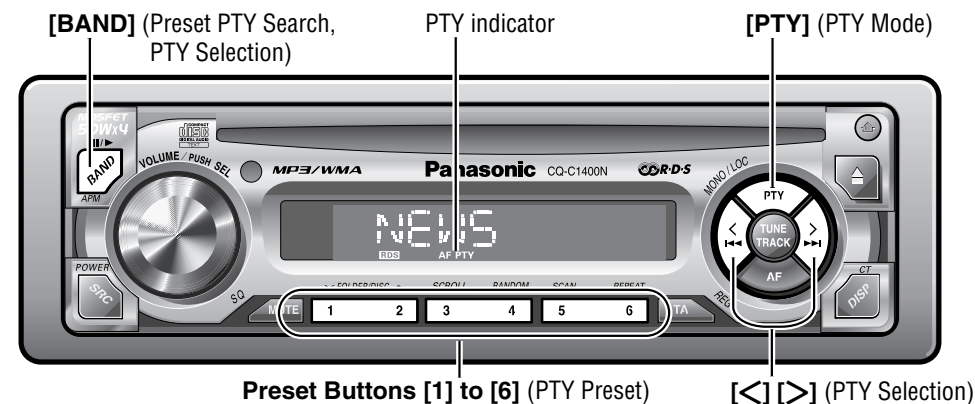
Being set to TA on in another mode, the unit will be automatically switched to the radio mode and make a traffic announcement when it begins. The traffic announcement having finished, the unit will return to the previous mode.

### To listen to only traffic announcements

While listening to an FM station which is not currently broadcasting traffic announcement, turn the **[VOLUME]** to the counterclockwise to set the volume to 0. The traffic announcement will be output at the TA volume level.

## Program Type (PTY) Reception

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



### Program Type (PTY) Mode **PTY**

Press **[PTY]** to switch the PTY display mode on and off. The PTY function described below becomes enabled after selecting to the PTY mode.

### PTY Selection

① Press **[>]** to change the program type as shown below. (**[<]**: opposite direction)

SPEECH	MUSIC	NEWS	AFFAIRS
INFO	SPORT	EDUCATE	DRAMA
CULTURE	SCIENCE	VARIED	POP_M
ROCK_M	EASY_M	LIGHT_M	CLASSICS
OTHER_M	WEATHER	FINANCE	CHILDREN
SOCIAL	RELIGION	PHONE_IN	TRAVEL
LEISURE	JAZZ	COUNTRY	NATION_M
OLDIES	FOLK_M	DOCUMENT	

② Select the desired program type and press **[BAND]**. Search will start to tune in to a station broadcasting the selected program type.



Press **[BAND]** again to cancel.

**Note:**

- When there is no corresponding program type station, "NONE" is displayed for 2 seconds.

### PTY display in Swedish

Press and hold **[SEL]** for more than 2 seconds to open the PTY display language. Turn **[VOLUME]** to switch the language as follows.



### PTY Preset

#### PTY Preset Call

Program types are stored in memory under preset buttons from **[1]** to **[6]** as shown in the tables on the next page. To tune in the desired program type, press any of preset buttons from **[1]** to **[6]**.

#### Preset PTY Search

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 **[BAND]**) to tune in the desired program type station.

**Example:** Press preset button **[1]** again. Press **[BAND]** again to cancel.

**Note:**

- When there is no corresponding program type station, "NONE" is displayed for 2 seconds.

#### PTY Preset Change

① Select a program type by using PTY Selection or pressing PTY Preset buttons.

② Press and hold one of the buttons from **[1]** to **[6]** for more than 2 seconds.

**Example:** Press and hold preset button **[2]** for more than 2 seconds.

# Radio Data System (RDS) (continued)

## PTY Preset (Default)

Preset No.	Program Type	When PTY search is activated, these program type is receivable.
1	NEWS	NEWS
2	SPEECH	AFFAIRS, INFO, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, DOCUMENT
3	SPORT	SPORT
4	POP_M	POP_M
5	CLASSICS	CLASSICS
6	MUSIC	ROCK_M, EASY_M, LIGHT_M, OTHER_M, JAZZ, COUNTRY, NATION_M, OLDIES, FOLK_M

Use to note changes in preset stations.

Preset No.	FM1	FM2	FM3
1			
2			
3			
4			
5			
6			

## Other PTY functions

**PTY Language Selection:** The language displayed on the screen is selectable. (English or Swedish) (→ Page 19)

## Other RDS functions

### Enhanced Other Network (EON) EON



EON indicator

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 the one that is 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. (Even when in CD mode, MP3/WMA mode, CD changer mode (only for CQ-C1400N).) During receiving the emergency announcement, "ALARM" appears on the display.



**Note:**

- Emergency announcements are broadcast at the TA volume level. (→ Page 30)



# CD and MP3/WMA

### Caution:

- This unit does not support 8 cm discs.
- Do not use irregularly shaped discs. (→ Page 33)
- Do not use discs that have a seal or label attached.
- Do not insert foreign matter into the disc slot.

### Note:

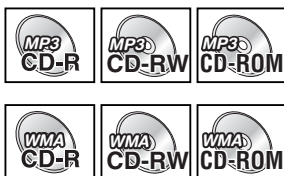
- Refer to the section on “Notes on MP3/WMA” (→ Page 26) and “Notes on CD-Rs/RWs” (→ Page 33).
- A disc which has both CD-DA data and MP3/WMA data on it may not be reproduced normally (For example, it may be reproduced without sound).

## Available Discs

### CD-DA

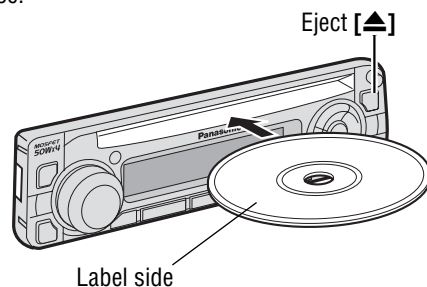


### MP3/WMA



## Disc Insert

Insert a disc.



### Note:

- Do not insert a disc when **DISC** indicator lights because a disc is already loaded.



Disc Indicator

Playback will start automatically after recognize the data of the loading disc.



or



- It may take some time to start playing.

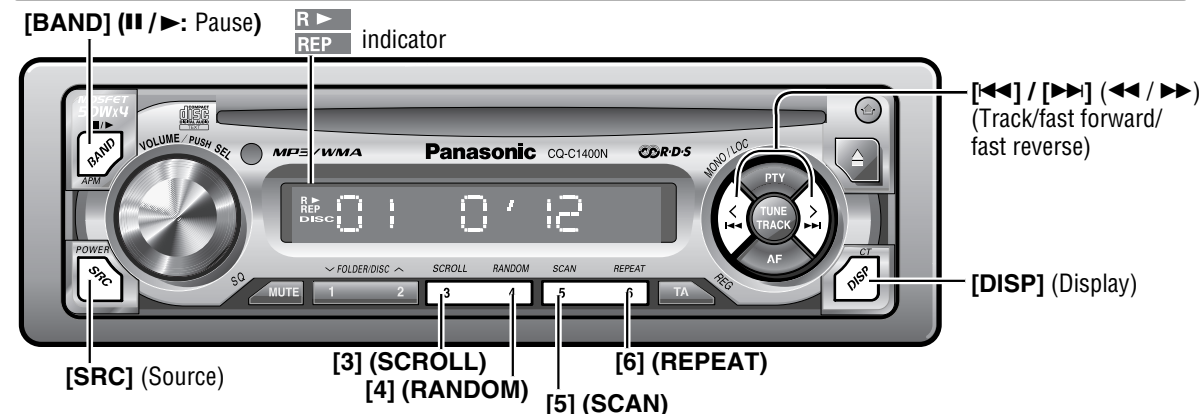
(→ Page 24 about MP3/WMA player)

## Disc Eject

Press **[▲]** to stop CD/MP3/WMA play and eject the disc.

# CD Player

- Do not watch the scroll display while driving.



## When CD is in the player

Press **[SRC]** (Source) to select the CD player mode and playback starts.



Track Play time

## Display Change

Press **[DISP]** (Display).



Disc title  
( **I-TITLE** ) (Data reading)



Track title  
( **T-TITLE** ) (Data reading)



Clock time  
( **CT 9:18** )

### Note:

- “NO TITLE” is displayed when there is no information on the disc.
- Press **[3] (SCROLL)** to have an another circle scroll while a title is displayed.

## Track Selection

- [▶▶]**: Next track
- [◀◀]**: Beginning of the current track  
For the previous track, press twice.

## Fast Forward/Fast Reverse

- Press and hold **[▶▶] (▶▶)**: Fast Forward
- [◀◀] (◀◀)**: Fast Reverse
- Release to resume the playback.

## Pause (II / ►)

Press **[BAND] (II / ►)**.  
Press **[BAND] (II / ►)** again to cancel.

## Random Play **R▶**

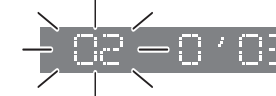
All the available tracks are played in a random sequence.

Press **[4] (RANDOM)**.  
**R▶** lights.  
Press **[4] (RANDOM)** again to cancel.

## Scan Play

The first 10 seconds of each track is played in sequence.

Press **[5] (SCAN)**.



Press **[5] (SCAN)** again to cancel.

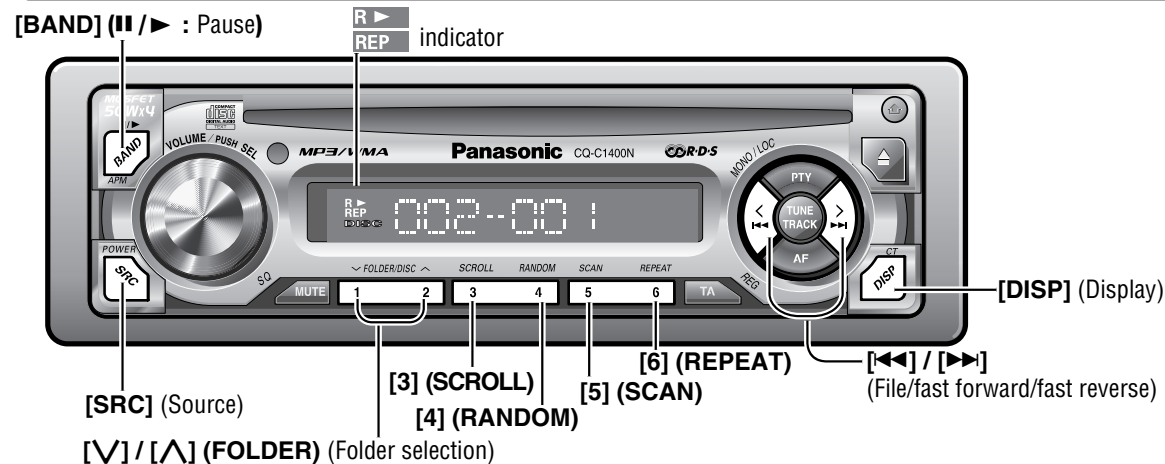
## Repeat Play **REP**

The current track is repeated.

Press **[6] (REPEAT)**.  
**REP** lights.  
Press **[6] (REPEAT)** again to cancel.

# MP3/WMA Player

• Do not watch the scroll display while driving.



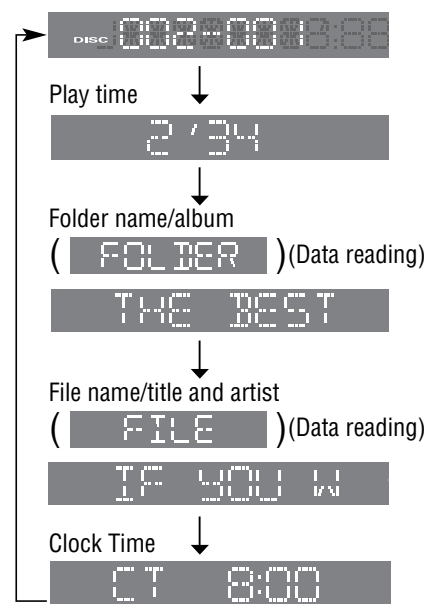
## When CD is in the player

Press [SRC] (Source) to select the MP3/WMA player mode and playback starts.



## Display Change

Press [DISP] (Display).



### Note:

- "NO NAME" is displayed when there is no information on the disc.
- Press [3] (SCROLL) to have another circle scroll while a title is displayed.

## ID3/WMA Tag Setting

Press and hold [3] (SCROLL) for more than 2 seconds.



### When a folder name is displayed:

TAG ON: The album title is displayed.  
TAG OFF: The folder name is displayed.

### When a file name is displayed:

TAG ON: The title/artist name is displayed.  
TAG OFF: The file name is displayed.

## Folder Selection

[^] : Next folder  
[v] : Previous folder

## File Selection

[>>>] : Next file  
[<<<] : Beginning of the current file.  
For the previous file, press twice.

## Fast Forward/Fast Reverse

Press and hold  
[>>>] (>>>) : Fast Forward  
[<<<] (<<<) : Fast Reverse  
Release to resume normal playback.

## Pause (|| / >)

Press [BAND] (|| / >).  
Press [BAND] (|| / >) again to cancel.

## Random Play [R▶]

All the available files are played in a random sequence.

Press [4] (RANDOM).  
[R▶] lights.  
Press [4] (RANDOM) again to cancel.

## Folder Random Play [R▶]

All the files on the current folder are played in a random sequence.

Press and hold [4] (RANDOM) for more than 2 seconds.  
[R▶] blinks.  
Press and hold [4] (RANDOM) again for more than 2 seconds to cancel.

## Scan Play

The first 10 seconds of each file is played in sequence.

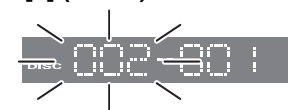


Press [5] (SCAN) again to cancel.

## Folder Scan Play

From the next folder, the first 10 seconds of the first file on each folder is played in sequence.

Press and hold [5] (SCAN) for more than 2 seconds.



Press and hold [5] (SCAN) again for more than 2 seconds to cancel.

## Repeat Play [REP]

The current file is repeated.

Press [6] (REPEAT).  
[REP] lights.  
Press [6] (REPEAT) again to cancel.

## Folder Repeat Play [REP]

The current folder is repeated.

Press and hold [6] (REPEAT) for more than 2 seconds.  
[REP] blinks.  
Press and hold [6] (REPEAT) again for more than 2 seconds to cancel.

# MP3/WMA Player (continued)

## Notes on MP3/WMA

### What is MP3/WMA?

MP3 (MPEG Audio Layer-3) and WMA (Windows Media™ Audio) are the compression formats of digital audio. The former is developed by MPEG (Motion Picture Experts Group), and the latter is developed by Microsoft Corporation. Using these compression formats, you can record the contents of about 10 music CDs on a single CD media (This figures refer to data recorded on a 650 MB CD-R or CD-RW at a fixed bit rate of 128 kbps and a sampling frequency of 44.1 kHz).

**Note:**

- MP3/WMA encoding and writing software is not supplied with this unit.
- CD writing software is not supplied with this unit.

### Points to remember when making MP3/WMA files

**Common**

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

**MP3**

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

**WMA**

- It is recommended to set the bit rate to “64 kbps or more” and “fixed”.
- Do not set the copy protect attribute on the WMA file to enable this unit to play back.
- WMA Version 9 is supported. However, the new functions in Version 9 (WMA pro, Loss-less, and the combination of 64 kbps and 48 kHz) are excluded.

**Caution:** Never assign the “.mp3”, or “.wma” file name extension to a file that is not in the MP3/WMA format. This may not only produce noise from the speaker damage, but also damage your hearing.

### Display Information

**Displayed items**

CD-TEXT	MP3/WMA	MP3 (ID3 tag)	WMA (WMA tag)
<ul style="list-style-type: none"> <li>• Disc title</li> <li>• Track title</li> </ul>	<ul style="list-style-type: none"> <li>• Folder name</li> <li>• File name</li> </ul>	<ul style="list-style-type: none"> <li>• Album</li> <li>• Title and Artist</li> </ul>	<ul style="list-style-type: none"> <li>• Album</li> <li>• Title and Artist</li> </ul>

**Displayable characters**

- Displayable length of file name/folder name: within 96 characters
- Name files and folders in accordance with the standard of each file system. Refer to the instructions of writing software for details.
- ASCII character set and special characters in each language can be displayed.

**ASCII character set**

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

**Special characters**

À Á Â Ã Ä Å à á â ã ä å
Ä ä
Ò Ó Ô Õ Ö ò ó ô õ ö ö
Ù Ú Û Ü ù ú û ü

**Note:**

- With some software in which MP3/WMA format files have been encoded, the character information may not be displayed properly.
- Undisplayable characters and symbols will be converted into an asterisk(\*).

### Recording MP3/WMA files on a CD-media

- **You are recommended to minimize the chances of making a disc that contains both CD-DA files and MP3/WMA files.**
- **If CD-DA files are on the same disc as MP3 or WMA files, the songs may not play in the intended order, or some songs may not play at all.**
- **When storing MP3 data and WMA data on the same disc, use different folders for each data.**
- Do not record files other than MP3/WMA files and unnecessary folder on a disc.
- The name of MP3/WMA file should be added by rules as shown in the following descriptions and also comply with the rules of each file system.
- You may encounter trouble in playing MP3/WMA files or

- displaying the information of MP3/WMA files recorded with certain writing software or CD recorders.
- The file extension “.mp3” or “.wma” should be assigned to each file depending on the file format.
- This unit does not have the play list function.
- Although Multi-session recording is supported, the use of Disc-at-Once is recommended.

**Supported file systems**

ISO 9660 Level 1/Level 2, Apple Extension to ISO 9660, Joliet, Romeo  
**Note:** Apple HFS, UDF 1.50, Mix CD, CD Extra is not supported.

**Compression formats (Recommendation:** “Points to remember when making MP3/WMA files” on the previous page )

Compression method	Bit rate	VBR	Sampling frequency
MPEG 1 audio layer 3 (MP3)	32 k-320 kbps	Yes	32, 44.1, 48 kHz
MPEG 2 audio layer 3 (MP3)	8 k-160 kbps	Yes	16, 22.05, 24 kHz
Windows Media Audio Ver. 2, 8, 9	64 k-192 kbps	No	32, 44.1, 48 kHz

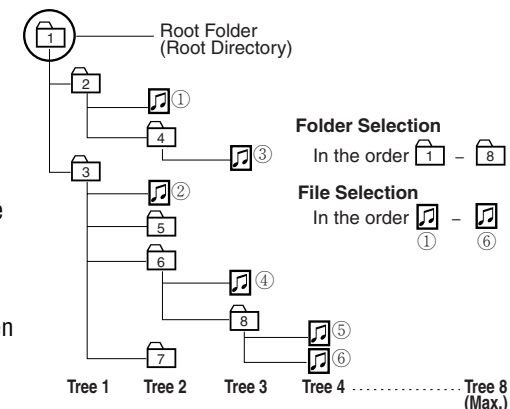
### Folder selection order/file playback order

**Maximum number of files/folders**

- Maximum number of files/folders: 999 (files + folders)
- Maximum number of files in one folder: 255
- Maximum depth of trees: 8
- Maximum number of folders: 255 (Root folder is included.)

**Note:**

- This unit counts the number of folders irrespective of the presence or absence of MP3/WMA file.
- If the selected folder does not contain any MP3/WMA files, the nearest MP3/WMA files in the order of playback will be played.
- Playback order may be different from other MP3/WMA players even if the same disc is used.
- “ROOT” appears when displaying the root folder name.



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**Copyright**

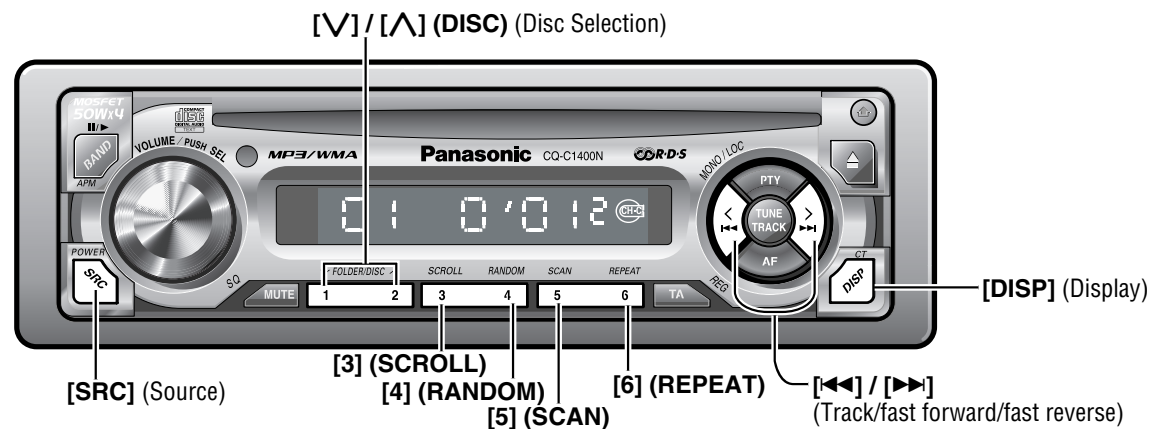
It is prohibited by copyright laws to copy, distribute and deliver copyrighted materials such as music without the approval of copyright holder except enjoying yourself personally.

**No warranty**

Above description complies with our investigations as of December 2003. It has no warranty for reproducibility and displayability of MP3/WMA.

# CD Changer Control (only for CQ-C1400N)

- CD changer functions are designed for optional Panasonic CD changer unit.
- Do not watch the scroll display while driving.

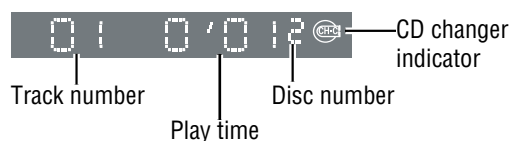


## CD Changer Mode

### Preparation:

- Connect the CD changer, and load a magazine (CDs).

Press **[SRC]** (Source) to select the CD changer mode and playback starts.

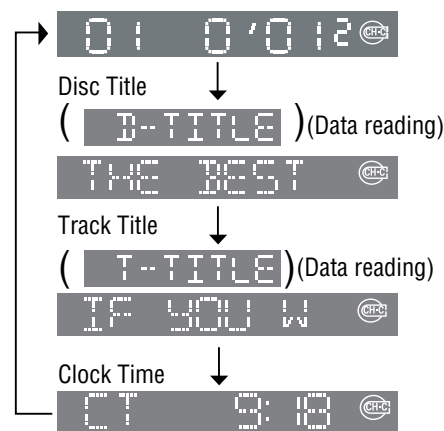


### Note:

- Load a magazine with CDs when "NO DISC" is displayed.

## Display Change

Press **[DISP]** (Display).



### Note:

- "NO TITLE" is displayed when there is no information on the disc.
- Press **[3]** (SCROLL) to have an another circle scroll while a title is displayed.

## Disc Selection

**[^]**: Next disc  
**[V]**: Previous disc

## Track Selection

**[>>]**: Next track  
**[<<]**: Beginning of the current track.  
For the previous track, press twice.

## Fast Forward/Fast Reverse

Press and hold **[>>>]** (>>>): Fast Forward  
**[<<<]** (<<<): Fast Reverse  
Release to resume the playback.

### Note:

- CD text is displayed when the unit is connected to a CD changer capable of recognizing CD text (CX-DP9061EN).
- **Trouble may occur while playing CD-Rs.** Refer to the section on "Notes on CD, CD Media (CD-R, CD-RW, CD-ROM)" (→ Page 33)
- This unit does not support the following through the CD changer.
  - **CD-RW playback.** (except when CX-DP880N is connected)
  - **MP3/WMA playback.**
- Pausing does not function in the CD changer mode.

## Random Play

All the available tracks are played in a random sequence.

Press **[4]** (RANDOM). lights.  
Press **[4]** (RANDOM) again to cancel.

## Disc Random Play

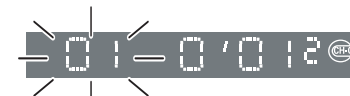
All the available tracks on the current disc are played in a random sequence.

Press and hold **[4]** (RANDOM) for more than 2 seconds. blinks.  
Press and hold **[4]** (RANDOM) again for more than 2 seconds to cancel.

## Scan Play

The first 10 seconds of each track is played in sequence.

Press **[5]** (SCAN).



Press **[5]** (SCAN) again to cancel.

## Disc Scan Play

From the next disc, the first 10 seconds of the first track of all the discs is played in sequence.

Press and hold **[5]** (SCAN) for more than 2 seconds.



Press and hold **[5]** (SCAN) again for more than 2 seconds to cancel.

## Repeat Play

The current track is repeated.

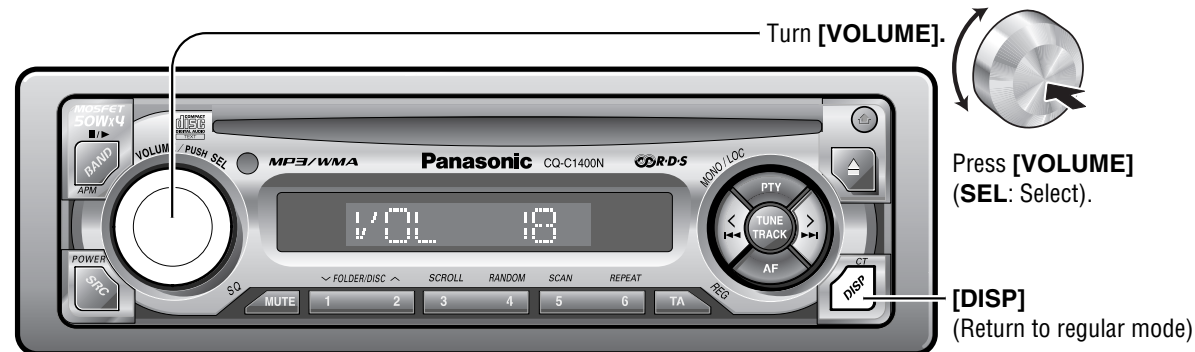
Press **[6]** (REPEAT). lights.  
Press **[6]** (REPEAT) again to cancel.

## Disc Repeat Play

The current disc is repeated.

Press and hold **[6]** (REPEAT) for more than 2 seconds. blinks.  
Press and hold **[6]** (REPEAT) again for more than 2 seconds to cancel.

# Audio Setting



Turn [VOLUME].

Press [VOLUME] (SEL: Select).

[DISP] (Return to regular mode)

## Volume

Default : 18  
Setting range : 0 to 40

## Bass/Treble

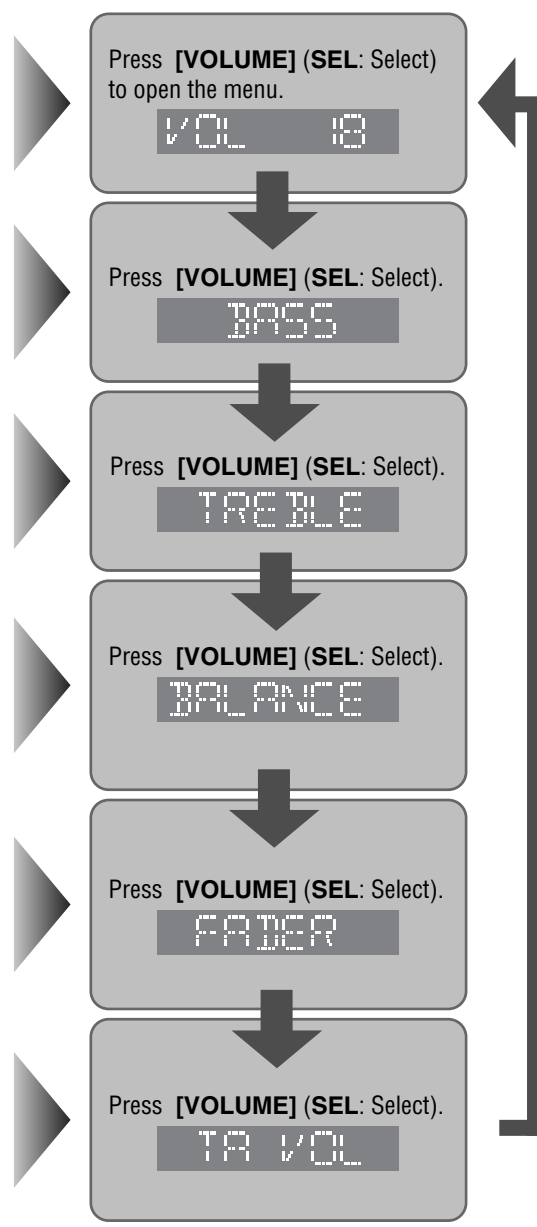
You can adjust the bass and treble sound.  
Default: BAS (bass) 0 dB  
TRE (treble) 0 dB  
Setting range: -12 dB to +12 dB (by 2 dB)

## Balance/Fader

You can adjust the sound level among the right, left, front and rear speakers.  
Default: BAL (balance) CNT (centre)  
FAD (fader) CNT (centre)  
Setting range: 15 levels each

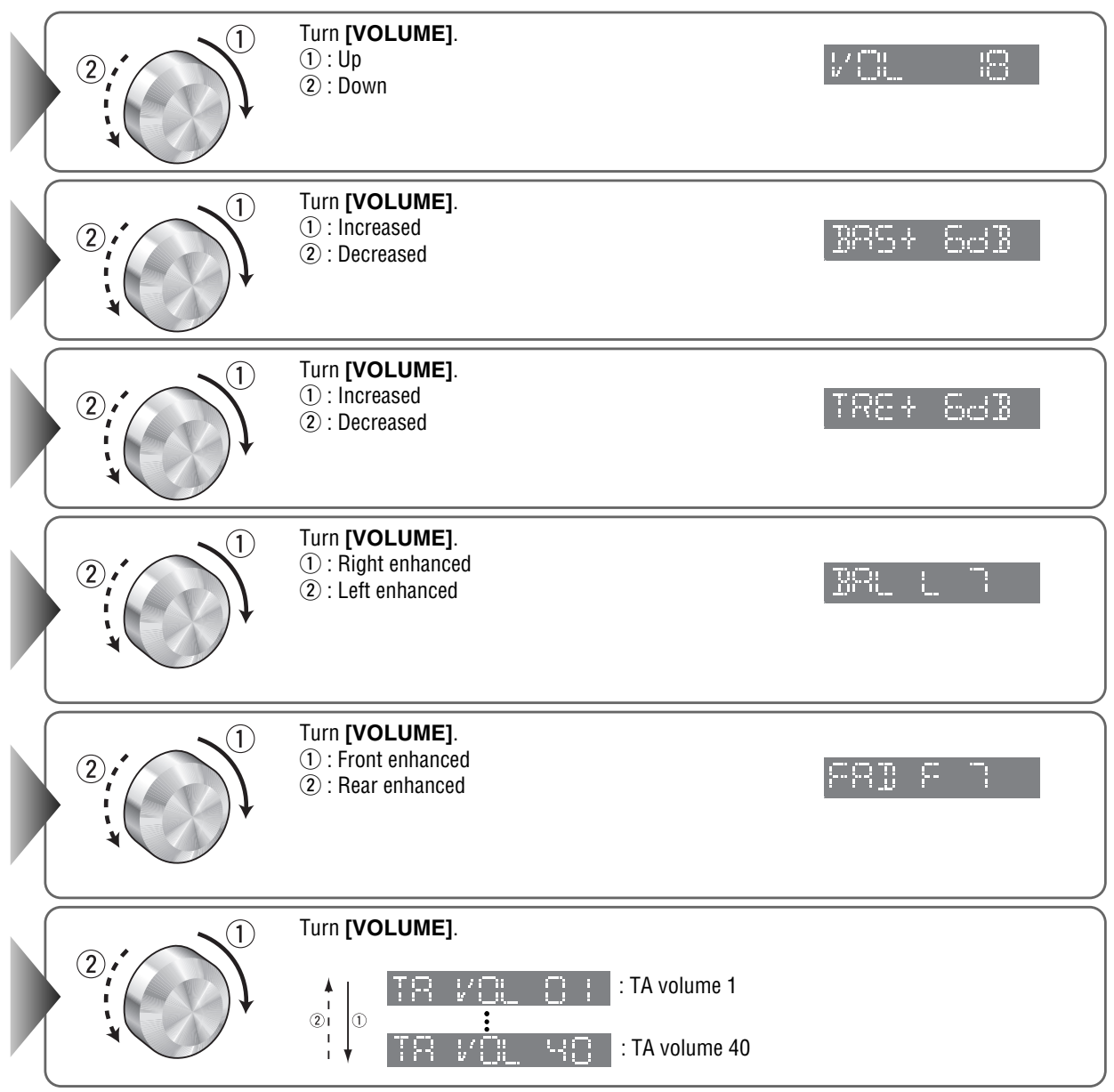
## TA Volume Set

Traffic announcement are broadcast at the TA volume level.  
Default : 18  
Setting range : 1 to 40



### Note:


- Press [DISP] to return to the regular mode.
- If no operation takes place for more than 7 seconds in audio mode (2 seconds in the volume mode) setting, the display returns to regular mode.

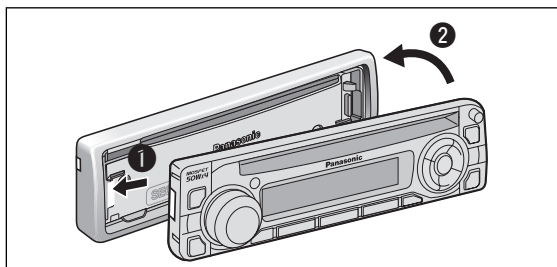
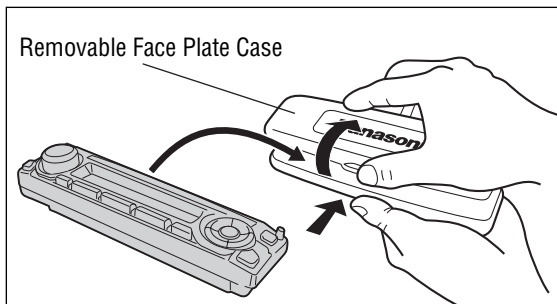
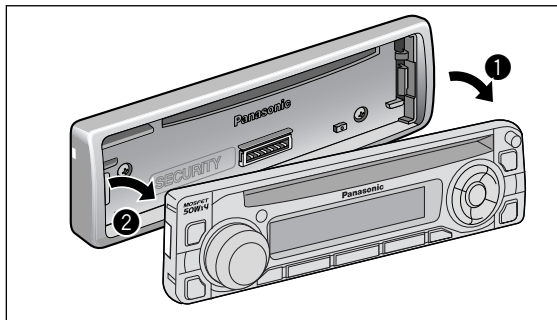


# Anti-Theft System

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

## Remove the Removable Face Plate

- 1 Switch off the power of the unit.
- 2 Press the release button [  ].
- 3 Pull on the right side of the unit.
- 4 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 Removable Face Plate

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

## Panel Removal Alarm

This alarm sounds to warn you not to forget to remove the panel before leaving your car.

**PANEL** 

"PANEL !" is displayed and an alarm sounds when turning off the power of this unit or turning the ignition switch of your car to OFF.

### 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 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 a clean and dry cloth.
- To avoid damaging the front panel, do not push it down or place objects on it while it is open.

# 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 replacement fuse fails, contact your nearest authorized Panasonic Service Centre.

# Maintenance

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

# Notes on Discs

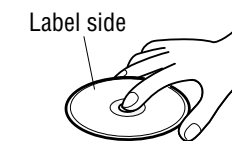
## Notes on CD/CD Media (CD-R, CD-RW, CD-ROM)

If you use commercial CDs, they must have either of these labels shown at right.



### How to hold the disc

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



### Do not use irregularly shaped discs.

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

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

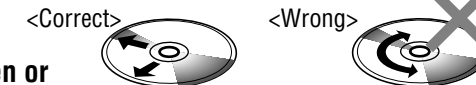


Do not use irregularly shaped discs.

### 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 anything on the disc label with a pointed pen or hard-point pen.

## 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 and make playback impossible.
- Some CD-R/RWs can not be played back successfully thanks to incompatibility among writing software, a CD recorder (CD-R/RW drive) and the discs.
- 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 or MP3/WMA data.
- Be sure to observe the instructions of CD-R/RW disc for handling it.

# Troubleshooting

## If You Suspect Something Wrong

Check and take steps as described below.

If the described suggestions do not solve the problem, it is recommended to take the unit to your nearest authorized Panasonic Service Centre. The product should be serviced only by qualified personnel.

**Caution:**

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

### 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>There is contact between the external mute lead and the chassis. → <b>Connect the external mute lead correctly. If the lead is unused, insulate it.</b></p> <p>The wiring of the speaker line are not correct, or a break or poor contact arises. → <b>Check the wiring in accordance with the wiring diagram. (Installation Instructions)</b></p>
The demonstration screen displayed and no operable	<p>You cannot operate the unit while the demonstration screen appears. → <b>Press [DISP] to end the demonstration screen.</b></p> <p>If the demonstration screen appears frequently, there is a possibility that poor contact or wrong wiring arises between the battery lead of the unit and the battery cable of the car. (The battery lead should be always powered.) → <b>Check the battery 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 the dealer.</b></p>

### Common (continued)

Problem	Possible cause → Possible solution
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>
Stereo broadcast is received only in mono.	<p>The MONO mode is active. → <b>Cancel the MONO mode.</b></p>
Only nearby stations can be received.	<p>The LOCAL mode is active. → <b>Cancel the LOCAL mode.</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> <p>The LOCAL mode is active. → <b>Cancel the LOCAL mode.</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>

# Troubleshooting (continued)

## RDS

Problem	Possible cause → Possible solution
PS does not appear even if an RDS station is tuned into. ("NONE" appears.)	A PS code cannot be received for the reason of bad receiving conditions, etc. → <b>A PS code appears if it is received. Wait for a while until conditions change.</b>
Receiving programs differs from PTY that was already set up.	When the station changed between programs, the unit could not receive the PTY code. → <b>An appropriate program is searched for and tuned into after receiving a corresponding PTY code. Therefore, wait for a while.</b>
"NO PTY" appears when selecting PTY.	Any specified PTY programs cannot be received. There is no desired program being broadcast in your area. → <b>Select another PTY, or wait until a desired program starts.</b>
The clock (CT) does not indicate accurate time.	The unit received a station that broadcasting time that is not appropriate for you, or the unit is receiving a station that does not broadcast time. → <b>Receive a station that broadcasting time that is appropriate for your area, or adjust CT manually.</b>
An AF station cannot be received even if EON is set to ON.	There is little difference in receiving conditions between the current station and AF stations. Update of AF list ended in failure. → <b>Wait until AF list is successfully updated. For unstable reception, tune into a stable station by hand.</b>

## CD

Problem	Possible cause → Possible solution
No playback or disc ejected	The disc is inserted upside down. → <b>Insert a disc correctly.</b> There is a flaw or foreign material on the disc. → <b>Remove the foreign material, or use a flawless disc.</b>
Sound skipping or noise	There is a flaw or foreign material on the disc. → <b>Remove the foreign material, or use a flawless disc.</b>
Sound skipping due to vibration	The unit is not sufficiently secured. → <b>Secure the unit to the console box with the rear support strap, etc.</b> The unit is tilted at over 30° in the front-to-end direction. → <b>Make the angle 30° or less.</b>
Disc unejectable	A label is peeled off from the CD in the unit. → <b>Refer repair to the dealer where you purchased the unit.</b> 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>

## MP3/WMA

Problem	Possible cause → Possible solution
No playback or disc ejected	The disc has unplayable formatted data. → <b>Refer to the description about MP3/WMA for playable sound data except CD-DA (i.e. music CD).</b> The unit plays back the first track of a MIX mode CD. → <b>Skip the first track.</b>
The CD-R/RWs that are playable on other devices are not playable on this unit.	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 different combination of media, recording software and recorder after referring to the description about MP3/WMA.</b>
Sound skipping or noise	There is a flaw or foreign material on the disc. → <b>Remove the foreign material, or use a flawless disc. For MP3/WMA, refer to the description about MP3/WMA.</b>

### Note:







- Refer to "Notes on MP3/WMA". (⇒ Page 26)



# Troubleshooting (continued)





## Error Display Messages

### CD/MP3/WMA



Display	Possible cause → Possible solution
   ↓ After 5 seconds 	Disc is dirty, or is upside down. Disc has scratches. No operation by some cause. → Press [▲]. <ul style="list-style-type: none"> <li>• Check the disc.</li> <li>• Load the disc again.</li> </ul>
* 	The player for some reason cannot read the file you are trying to play. (File recorded in an unsupported file system, compression scheme, data format, file name extension, damaged data, etc.) → <b>Select a file that the player can read. Confirm the type of data recorded on the disc. Create a new disc if necessary.</b>
* 	A WMA file can be copyrighted. → <b>The file protected by copyright is not playable.</b>

\* If all the files cannot be played, E4 or E5 remains on the display.

### CD Changer

Display	Possible cause → Possible solution
  ↓ After 5 seconds To next disc automatically	Disc is dirty, or is upside down. Disc has scratches. → <b>Eject the magazine.</b> <ul style="list-style-type: none"> <li>• Check the disc.</li> <li>• Load the disc again.</li> </ul>
	No operation by some cause. → <b>Eject the magazine. If failure persists, press the reset switch on the CD changer. If normal operation is not restored, call the store where you purchased the unit or the nearest Panasonic Service Centre to ask for repairs.</b>
	No disc is in the CD Changer (magazine). → <b>Insert discs into the changer (magazine).</b>

### CD Changer (continued)

Display	Possible cause → Possible solution
	Disconnected → <b>Verify the wiring.</b>
	Reading → <b>Wait for a while.</b>

**Note:** Messages in the action and display sections of the error chart vary with changers. Refer to the operating instructions for the CD changer for details.

## Specifications

General		FM Stereo Radio	
Power Supply	: DC 12 V (11 V - 16 V), Test Voltage 14.4 V, Negative Ground	Frequency Range	: 87.5 - 108 MHz
Tone Controls (Bass)	: ±12 dB at 100 Hz	Usable Sensitivity	: 6 dB/μV (S/N 30 dB)
Tone Controls (Treble)	: ±12 dB at 10 kHz	Stereo Separation	: 35 dB (at 1 kHz)
Current Consumption	: Less than 2.5 A (CD mode, 0.5 W 4-Speaker)	MW Radio	
Maximum Power Output	: 50 W x 4 (at 4 Ω)(C1400N) : 45 W x 4 (at 4 Ω) (C1300AN/C1300GN)	Frequency Range	: 531 - 1 602 kHz
Power Output	: 22 W x 4 (DIN45 324, at 4 Ω)	Usable Sensitivity	: 28 dB/μV (S/N 20 dB)
Speaker Impedance	: 4 - 8 Ω	LW Radio	
Pre-Amp Output Voltage	: 2.5 V (CD mode)	Frequency Range	: 153 - 279 kHz
Pre-Amp Output Impedance	: 200 Ω	Usable Sensitivity	: 32 dB/μV (S/N 20 dB)
Dimensions (W x H x D)	: 178 x 50 x 155 mm	CD Player	
Weight	: 1.4 kg	Sampling Frequency	: 8 times oversampling
		DA Converter	: 4 DAC System
		Pick-Up Type	: Astigma 3-beam
		Light Source	: Semiconductor laser
		Wavelength	: 780 nm
		Frequency Response	: 5 Hz - 20 kHz (±1 dB)
		Signal to Noise Ratio	: 96 dB
		Total Harmonic Distortion	: 0.01 % (1 kHz)
		Wow and Flutter	: Below measurable limits
		Channel Separation	: 75 dB

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

## Sales and Support Information

### Customer Care Centre

- For UK customers: 08705 357357
- For Republic of Ireland customers: 01 289 8333
- Visit our website for product information
- E-mail: customer.care@panasonic.co.uk

### Direct Sales at Panasonic UK

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday - Friday 9:00am - 5:30pm. (Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at [www.panasonic.co.uk](http://www.panasonic.co.uk).
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.



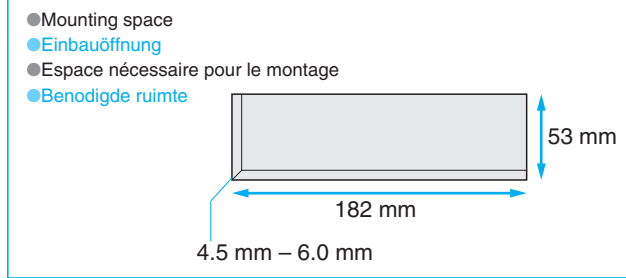
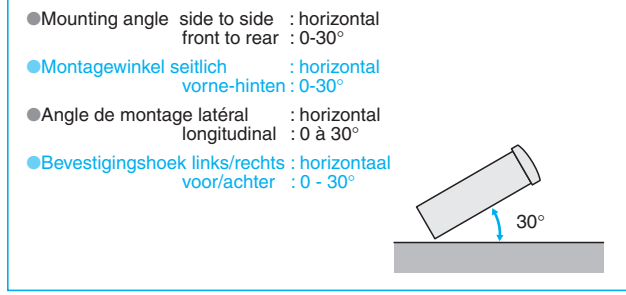
(CQ-C1400N)

Installation Instructions  
Einbauanleitung  
Instructions d'installation  
Installatiehandleiding



Before Installation/Vor dem Einbau  
Avant l'installation/Voor de installatie

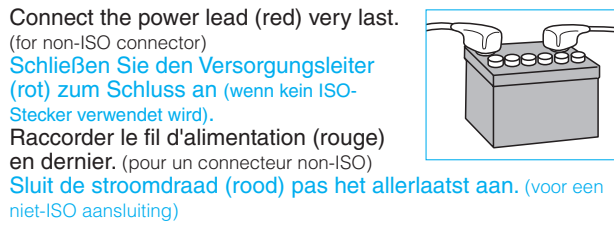
Consult a professional for installation.  
●Verify the radio using the antenna and speakers before installation.  
Wenden Sie sich zum Einbau an einen Fachmann.  
●Probieren Sie den Radiobetrieb vor dem Einbau mit Antenne und Lautsprechern aus.  
Prenez contact avec un spécialiste pour le montage.  
●Vérifiez l'autoradio avant de procéder au montage.  
Vraag een vakman voor de installatie.  
●Controleer voor de installatie of de radio werkt met de antenne en de luidsprekers.



Remove Mounting Collar ① and Trim Plate ④ from the main unit temporarily, which are already mounted at shipment.  
Die bei der Lieferung montierte Einbauhalterung ① und Abdeckplatte ④ vorübergehend vom Gerät abmontieren.  
Démontez provisoirement le cadre de montage ① et la plaque de garniture ④ de l'appareil principal, qui sont déjà mis en place lors de l'expédition.  
Verwijder de Bevestigingskraag ① en de Afwerkingsrand ④, die bij het verlaten van de fabriek gemonteerd zijn, tijdelijk van het hoofdtoestel.

Before Wiring/Vor der Verdrahtung  
Avant le câblage/Voor het aansluiten van de bedrading

Exclusively operated with 12-volt battery with negative (-) ground.  
Dieses Gerät ist ausschließlich für den Anschluss an Bordnetze mit 12 V Batterie und negativer Klemme an Masse bestimmt.  
Alimentez l'appareil absolument par la batterie de 12 volts avec sa polarité négative (-) mise à la masse.  
Uitsluitend voor gebruik met een 12 Volt accu systeem met negatieve (-) aarding.



Connect the battery lead (yellow) to the positive (+) terminal of the battery or fuse block terminal (BAT). (for non-ISO connector)  
Schließen Sie das Batteriekabel (gelb) an die positive (+) Klemme der Batterie oder an die (BAT) Klemme des Sicherungsblocks an (wenn kein ISO-Stecker verwendet wird).  
Connectez le fil (jaune) à la borne positive (+) de la batterie ou à la borne (BAT) de la boîte à fusibles (pour un connecteur non-ISO).  
Sluit de accudraad (geel) aan op de positieve (+) aansluiting van de accu of van het zekeringenblok (BAT) (voor een niet-ISO aansluiting).

Strip about 5 mm of the lead ends for connection (for non-ISO connector).  
Entfernen Sie etwa 5 mm der Isolierung von den Kabelenden für den Anschluss (wenn kein ISO-Stecker verwendet wird).  
Dénudez les extrémités de fil de 5 mm environ pour la connexion (pour un connecteur non-ISO).  
Strip ongeveer 5 mm van de uiteinden van de draden om de verbinding tot stand te kunnen brengen (voor een niet-ISO aansluiting).



Secure loosened leads.  
Sichern Sie alle losen Leiter.  
Resserrez les connexions de fils.  
Zet loshangende draden vast.

Supplied Hardware/Mitgelieferte Hardware/Matériel d'installation/Meegeleverde onderdelen

No.	Item	Diagram	Q'ty	No.	Item	Diagram	Q'ty
①	Mounting collar Einbauhalterung Cadre de montage Bevestigingskraag		1	④	Trim plate Abdeckplatte Plaque de garniture Afwerkingsrand		1
②	Mounting bolt (5 mm) Befestigungsschraube (5 mm) Boulon (5 mm) Bout (5 mm)		1	⑤	ISO antenna adapter ISO-Antennenadapter Adaptateur d'antenne ISO ISO antenne-adapter		1
③	Power connector Versorgungsstecker Connecteur d'alimentation Stroomstekker		1	⑥	Lock cancel plate Verriegelungsfreigabeplatte Plaque anti-blocage Ontgrendelingsplaat		2

\* ②, ⑤ and ⑥ consist of a set. (YEP0FZ3264) \* ②, ⑤ und ⑥ bestehen als Satz. (YEP0FZ3264)  
\* ②, ⑤ et ⑥ constituent un jeu. (YEP0FZ3264) \* ②, ⑤ en ⑥ bestaan uit een set. (YEP0FZ3264)



●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.

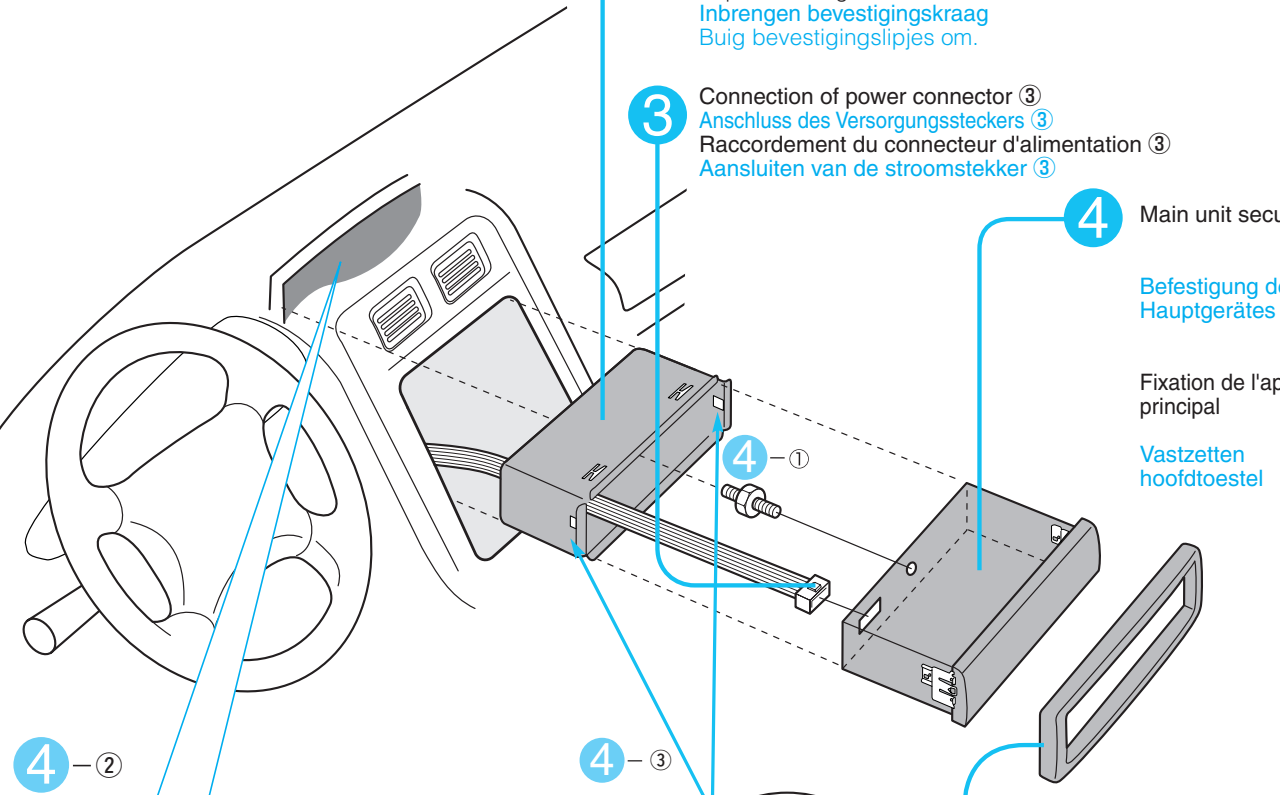
Matsushita Electric Industrial Co., Ltd.  
Web Site : <http://www.panasonic.co.jp/global/>

YEFM293250 ND1203-0 Printed in China

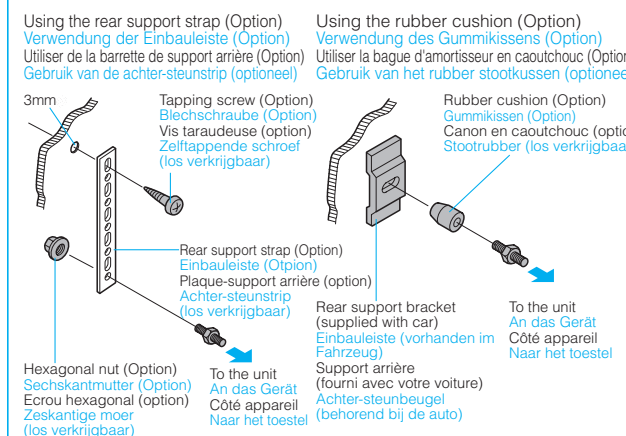
Installation/Einbau/Montage/Installatie

How to install the unit/Einbau des Gerätes/Mode de montage de l'appareil/Installeren van het toestel

**Cautions:** ●Wear gloves for safety.  
●Make sure that wiring is completed before installation.  
**Vorsicht:** ●Tragen Sie Handschuhe, um sich vor Verletzungen zu schützen.  
●Achten Sie vor dem Einbau darauf, dass die Verdrahtung fertiggestellt ist.  
**Précautions:** ●Porter des gants à des fins de sécurité.  
●S'assurer que le câblage est terminé avant l'installation.  
**Let op:** ●Draag handschoenen voor uw veiligheid.  
●Controleer of de bedrading correct is aangelegd voor u gaat installeren.



Securing to fire wall  
Befestigung an Brandschutzwand  
Obtenir un pare-feu  
Vastzetten aan het brandschot



① Remove the cable from the battery negative terminal.  
Trennen Sie das Kabel von der negativen Batterieklemme ab.  
Retirer le câble de la borne négative de la batterie.  
Koppel de kabel van de negatieve aansluiting van de accu los.

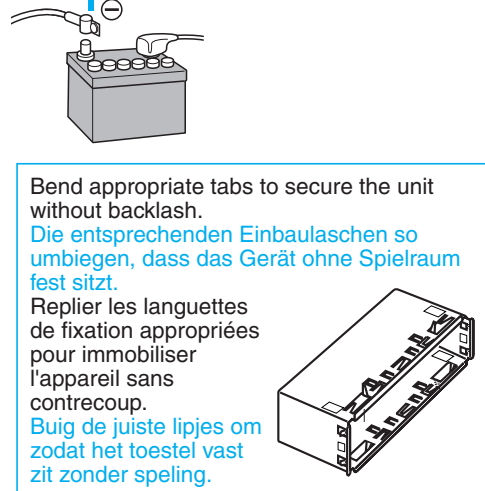
② Mounting collar insertion  
Bend mounting tabs.  
Einsetzen der Einbauhülse  
Biegen Sie die Einbaulaschen um.  
Insertion du collier de fixation  
Replier les languettes de fixation  
Inbrengen bevestigingskraag  
Buig bevestigingslipjes om.

③ Connection of power connector ③  
Anschluss des Versorgungssteckers ③  
Raccordement du connecteur d'alimentation ③  
Aansluiten van de stroomstekker ③

④ Main unit securing  
Befestigung des Hauptgerätes  
Fixation de l'appareil principal  
Vastzetten hoofdtoestel

⑤ Trim plate ④ mounting  
Anbringen der Abdeckplatte ④  
Installation de la plaque de garniture ④  
Bevestigen van de afwerkingsrand ④

⑥ Battery Cable reconnection  
Wiederanschießen des Kabels  
Rebranchement du câble  
Opnieuw aansluiten kabel



Bend appropriate tabs to secure the unit without backlash.  
Die entsprechenden Einbaulaschen so umbiegen, dass das Gerät ohne Spielraum fest sitzt.  
Replier les languettes de fixation appropriées pour immobiliser l'appareil sans contrecoup.  
Buig de juiste lipjes om zodat het toestel vast zit zonder speling.

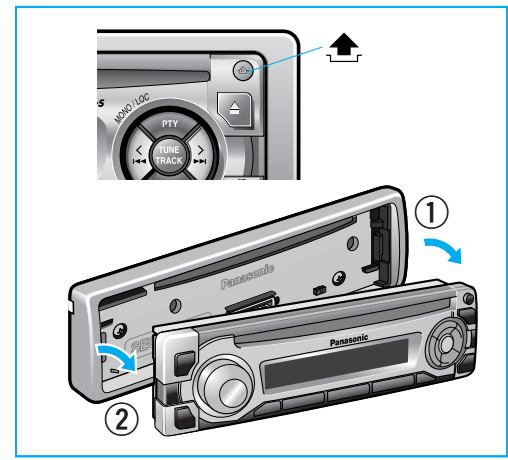
① Screw the bolt into the main unit.  
② Secure the rear of the main unit.  
③ Snap the right and left springs into each hole.  
① Schrauben Sie die Schraube in das Hauptgerät.  
② Sichern Sie die Rückseite des Hauptgerätes.  
③ Lassen Sie die rechten und linken Federn in den Löchern einschnappen.  
① Visser le boulon dans l'appareil principal.  
② Fixer l'arrière de l'appareil principal.  
③ Boutonner les ressorts droit et gauche dans chaque trou.  
① Schroef de bout in het hoofdtoestel.  
② Zet de achterkant van het hoofdtoestel vast.  
③ Pas de rechter en linker veren in de bijbehorende gaten.

**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.

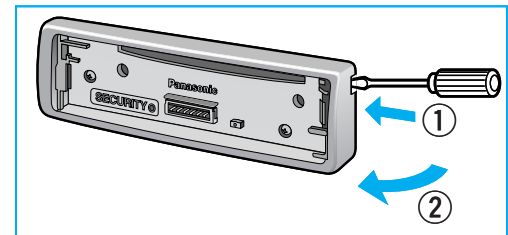
**WICHTIG**  
Bei Einbau des Geräts im Armaturenbrett sollte darauf geachtet werden, dass der Luftstrom um das Gerät nicht behindert ist, um Beschädigung durch Überhitzen zu verhindern, und die Belüftungsöffnungen des Geräts nicht blockiert sind.  
**IMPORTANT**  
Lorsque cet appareil est installé dans le tableau de bord, assurez-vous qu'il y a une circulation d'air suffisante autour de l'appareil afin d'éviter tout endommagement provoqué par une surchauffe et qu'aucun trou d'aération de l'appareil n'est obturé.

**BELANGRIJK**  
Wanneer dit toestel in het dashboard wordt geïnstalleerd, moet u ervoor zorgen dat er voldoende ventilatie is rond het toestel. Om oververhitting te voorkomen mogen de ventilatie-Openingen in het toestel niet afgedekt worden.

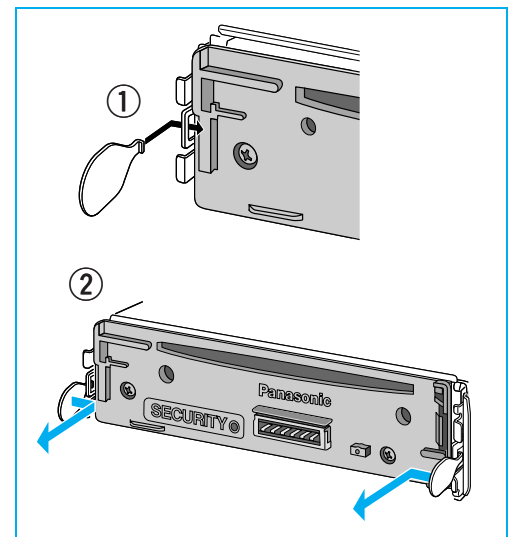
How to remove the unit/Ausbau des Gerätes  
Dépose de l'appareil/Verwijderen van het toestel



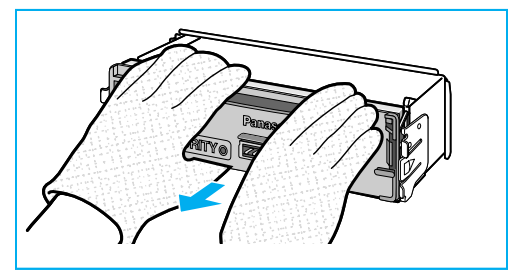
① Remove the front panel.  
Nehmen Sie das Bedienteil ab.  
Retirez le panneau de façade.  
Verwijder het voorpaneel.



② Remove the trim plate ④.  
Entfernen Sie die Abdeckplatte ④.  
Enlevez la plaque de garniture ④.  
Verwijder de afwerkingsrand ④.



③ Lock release  
① Insert the lock cancel plate ⑥ until you hear a click.  
② Pull the main unit while pushing the plate inward.  
Freigabe der Verriegelung  
① Führen Sie die Verriegelungsfreigabeplatte ⑥, bis Sie ein Klickgeräusch vernehmen können.  
② Ziehen Sie an dem Hauptgerät, während Sie die Platte hineindrücken.  
Libération du verrouillage  
① Introduisez la plaque anti-blocage ⑥ jusqu'à entendre un clic.  
② Dégager l'appareil principal tout en repoussant la plaque vers l'intérieur.  
Ontgrendeling  
① Steek de ontgrendelingsplaat ⑥ naar binnen tot u een klik hoort.  
② Trek het hoofdtoestel naar buiten terwijl u de plaat naar binnen drukt.



④ Pull out the unit with both hands.  
Ziehen Sie das Gerät mit beiden Händen heraus.  
Retirez l'appareil à deux mains.  
Trek het toestel met beide handen naar buiten.

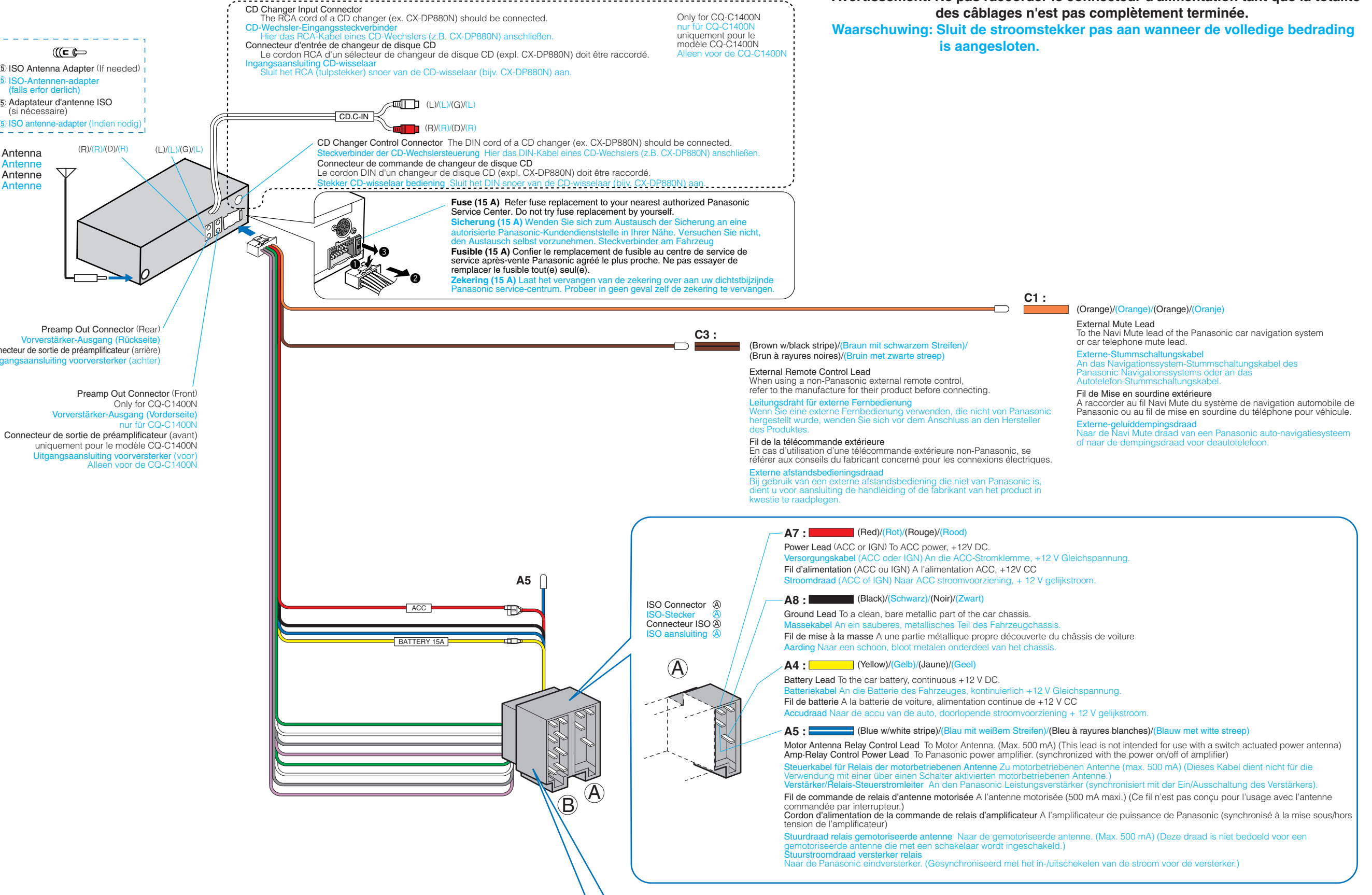
# Wiring/Verdrahtung/Câblage/Bedrading

**Warning: Do not connect the power connector until the whole wiring is completed.**

**Warnung: Schließen Sie den Versorgungsstecker erst an, nachdem die gesamte Verdrahtung beendet wurde.**

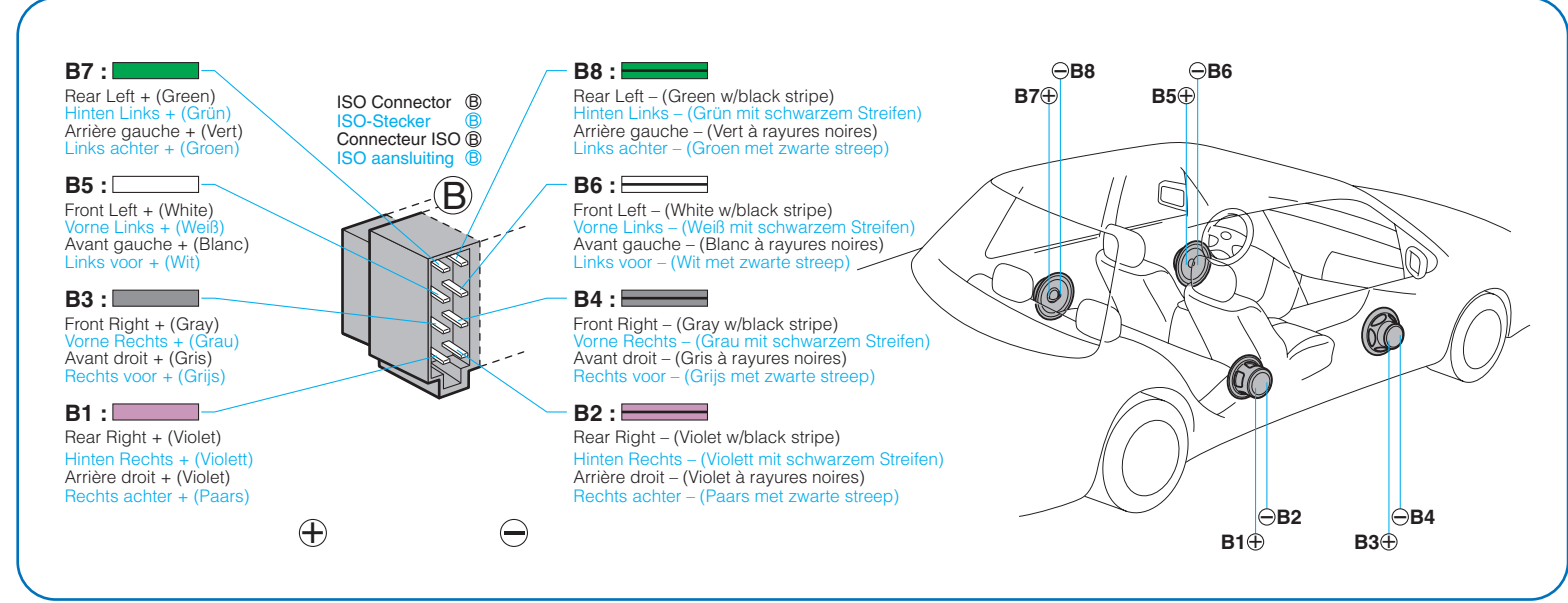
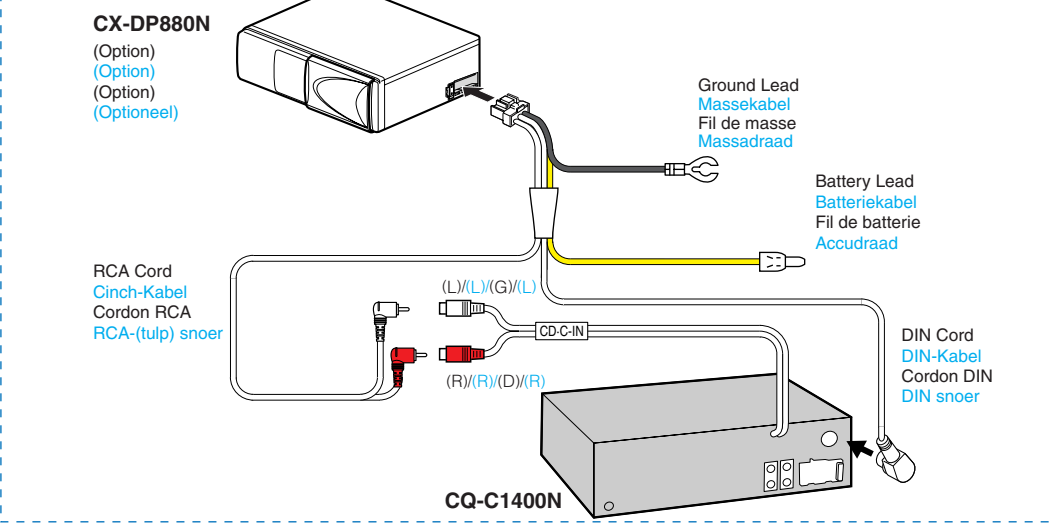
**Avertissement: Ne pas raccorder le connecteur d'alimentation tant que la totalité des câblages n'est pas complètement terminée.**

**Waarschuwing: Sluit de stroomstecker pas aan wanneer de volledige bedrading is aangesloten.**



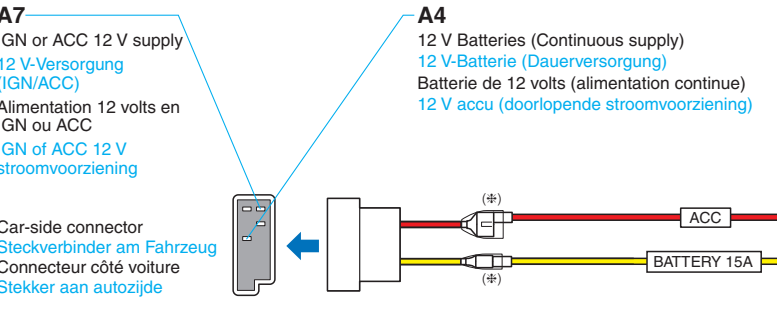
Only for CQ-C1400N/nur für CQ-C1400N/uniquement pour le modèle CQ-C1400N/Alleen voor de CQ-C1400N

System Upgrade Example: Connecting with a CD changer/Beispiel für die Systemerweiterung: Anschluss an einen CD-Wechsler/Exemple de mise à niveau de système: Raccordement à un changeur de disque CD/Voorbeeld uitbreiding systeem: aansluiten van een CD-wisselaar



## Power connector/Versorgungsstecker/Connecteur d'alimentation/Stroomstecker

### Standard ISO/ISO-Standard/Normes ISO/Standaard ISO



### Precautions (ISO Connector)

- The pin arrangement of the power connector conforms to 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 below.
- After connection, insulate the portions marked (#) with insulating tape.

### Vorsichtsmaßnahmen (ISO-Stecker)

- Die Stiftbelegung des Versorgungssteckers entspricht dem ISO-Standard.
- Bitte stellen Sie sicher, dass die Stiftbelegung des Steckers in Ihrem Fahrzeug dem ISO-Standard entspricht.
- Für Fahrzeuge der Typen A und B, ändern Sie die Verdrahtung der roten und gelben Leiter gemäß Abbildung.
- Nach dem Anschluss isolieren Sie die mit (#) markierten Abschnitte mit Isolierband.

### Hinweis: Für andere Fahrzeuge als Typ A und B, wenden Sie sich bitte an eine örtliche Pkw-Werkstatt.

### Précautions (Connecteur ISO)

- La disposition des broches du connecteur d'alimentation est conforme à la norme ISO.
- Veillez vérifier si que la disposition des broches du connecteur d'alimentation dans votre voiture est conforme à la norme ISO.
- Pour les types de voiture A et B, changer le câblage des fils rouge et jaune comme indiqué ci-dessous.
- Après avoir fait les connexions, isoler les sections marquées (#) avec de la bande isolante.

### Remarque: Pour les voitures autres que des types A et B, veuillez consulter votre magasin de matériel automobile local.

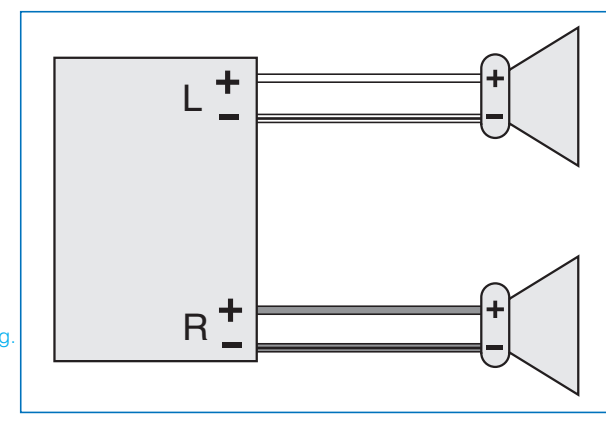
### Voorzorgen (ISO stekker)

- De pen-configuratie van de stroomstecker voldoet aan de ISO standaard.
- Controleer of de pen-configuratie van de stekker in uw auto eveneens voldoet aan de ISO standaard.
- Voor auto's van type A en B, dient u de bedrading voor de rode en gele draden te wijzigen zoals hieronder staat aangegeven.
- Na het aansluiten dient u de gedeelten die met (#) gemarkeerd zijn met isolatieband af te plakken.

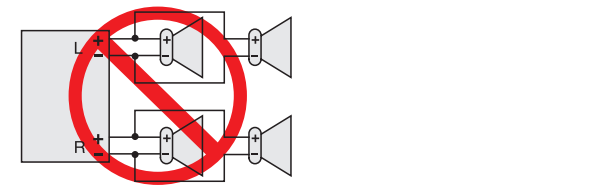
### Opmerking: Voor andere auto's dan die van type A en B dient u uw garage te raadplegen.

## Speaker Connection/Anschluss der Lautsprecher/Branchement avec les haut-parleurs/Aansluiten van de luidsprekers

Connect as follows.  
 Nehmen Sie den Anschluss wie folgt vor.  
 Branchez les haut-parleurs comme suit.  
 Sluit de luidsprekers als volgt aan.



- Use ungrounded speakers only.  
 Allowable input : 45 W or more (CQ-C1300AN/C1300GN)  
 : 50 W or more (CQ-C1400N)  
 Impedance : 4 - 8 Ω
- Distance between speaker and amplifier: 30 cm or more
- Verwenden Sie nur nicht geerdete Lautsprecher.  
 Zulässige Belastbarkeit : 45 W oder mehr (CQ-C1300AN/C1300GN)  
 : 50 W oder mehr (CQ-C1400N)  
 Impedanz : 4 - 8 Ω
- Entfernung zwischen Lautsprecher und Verstärker: 30 cm oder mehr
- Utilisez uniquement des haut-parleurs non reliés à la masse.  
 Puissance d'entrée admissible : 45 W ou davantage (CQ-C1300AN/C1300GN)  
 : 50 W ou davantage (CQ-C1400N)  
 Impédance : 4 - 8 Ω
- Distance entre le haut-parleur et l'amplificateur: 30 cm ou davantage
- Gebruik uitsluitend ongeaarde luidsprekers.  
 Toegestaan ingangsvermogen : 45 W of hoger (CQ-C1300AN/C1300GN)  
 : 50 W of hoger (CQ-C1400N)  
 Impedantie : 4 - 8 Ω
- Afstand tussen luidspreker en versterker: 30 cm of meer



- Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter)
- Schließen Sie niemals mehr als einen Lautsprecher an einen Satz Lautsprecherleiter an. (außer bei Anschluss eines Hochtonlautsprechers)
- Ne raccorder pas plus d'un haut-parleur à un ensemble de fils de haut-parleur. (Sauf lors du raccordement à un tweeter)
- Sluit niet meer dan één luidspreker aan op één paar luidsprekerdraden. (Behalve bij aansluiting op een tweeter.)
- Do not use a 3-wire type speaker system having a common earth lead.
- Verwenden Sie niemals Lautsprechersysteme mit Dreierverkabelung, die einen gemeinsamen Erdungsleiter aufweist.
- Ne pas utiliser pas de système de haut-parleur de type à 3 fils ayant un fil de mise à la masse commun.
- Gebruik geen luidsprekersysteem met drie draden en een gedeelde aarddraad.