

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

This manual uses pictographs to show you how to use the product safely and to alert you to potential dangers resulting from improper connections and operations. The meanings of the pictographs are explained below. It is important that you fully understand the meanings of the pictographs in order to use this manual and the system properly.

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

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

Warning Observe the following warnings when using this unit.

- The driver should neither watch the display nor operate the system while driving. Watching the display or operating the system will distract the driver from looking ahead of the vehicle and can cause accidents. Always stop the vehicle in a safe location and use the parking brake before watching the display or operating the system.
- Use the proper power supply. This product is designed for operation with a negative grounded 12 V DC battery system. Never operate this product with other battery systems, especially a 24 V DC battery system.
- Protect the Deck Mechanism. Do not insert any foreign objects into the slot of this unit.
- Do not disassemble or modify the unit. Do not disassemble, modify the unit or attempt to repair the product yourself. If the product needs to be repaired, consult your dealer or an authorized Panasonic Servicenter.
- Do not use the unit when it is out of order. If the unit is out of order (no power, no sound) or in an abnormal state (has foreign objects in it, is exposed to water, is smoking, or smells), turn it off immediately and consult your dealer.
- Refer fuse replacement to qualified service personnel. When the fuse blows out, eliminate the cause and have it replaced with the fuse prescribed for this unit by a qualified service engineer. Incorrect replacement of the fuse may lead to smoke, fire, and damage to the product.

Observe the following warnings when installing.

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



MP3 CD Player/Receiver
Model: **CQ-C1304U**

Operating Instructions



Please read these instructions (including "Limited Warranty" and "Customer Services Directory") carefully before using this product and keep this manual for future reference.

Specifications

General	
Power supply	.DC 12 V (11 V – 16 V DC), test voltage 14.4 V, negative ground
Current consumption	Less than 2.2 A (CD mode, 0.5 W x 4 channels)
Maximum power output	.50 W x 4 channels (at 1 kHz), volume control maximum
Tone adjustment range	.Bass: +12 dB at 100 Hz, -9 dB at 10 kHz Treble: +12 dB at 10 kHz, -9 dB
Speaker impedance	.2.5 V (CD mode, 1 kHz, 0 dB)
Pre-amp output impedance	.200 Ω
Pre-amp output impedance	.178 x 50 x 155 mm (7" x 1 15/16" x 6 2/16")
Weight	.1.3 kg (2 lbs. 14 oz)

FM Stereo Radio	
Frequency range	.87.9 MHz – 107.9 MHz
Usable sensitivity	.11.0 dBμ (75 Ω)
50 dB quieting sensitivity	.15.2 dBμ (75 Ω)
Frequency response	.30 Hz – 15 kHz (+3 dB)
Alternate channel selectivity	.75 dB
Stereo separation	.35 dB (1 kHz)
Image rejection ratio	.55 dB
IF rejection ratio	.100 dB
Signal/noise ratio	.62 dB

AM Radio	
Frequency range	.530 kHz – 1 710 kHz
Usable sensitivity	.28 dBμV (S/N 20 dB)

Above specifications comply with EIA standards.

Power Output:	18 W RMS x 4 Channels at 4 Ω and ≤ 1%
THD+N	
Signal to Noise Ratio:	85 dBa (reference: 1 W into 4 Ω)

Notes:

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

Accessories

Instruction kit

Operating Instructions (English: YFM284C06CA) (French: YFM284C067CA) (Spanish: YFM284C068CA) Qty: 1 set

Installation Instructions (YFM284C071CA) Qty: 1

Owners Information (Card) Qty: 1

Installation kit (ZBISIC1101U-J)

Lock Cancel Plate Qty: 2

Mounting Bolt Qty: 1

Rubber Bushing Qty: 1

Mounting Collar (PX0214C384ZB) Qty: 1

Trim Plate (YF0054C0812A) Qty: 1

Power Connector (YGAJ021012) Qty: 1

Request for use of the Removable Face Plate Case

- To avoid trouble and ensure safety, use the optional Removable Face Plate Case (YF0054C061ZB)

Panasonic Consumer Electronics Company, Division of Panasonic Corporation of North America, One Panasonic Way, Secaucus, New Jersey 07094, http://www.panasonic.com

Panasonic Sales Company, Division of Panasonic Puerto Rico, Inc. ("PSC"), Ave. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985, http://www.panasonic.com

Panasonic Canada Inc., 5770 Ambler Drive, Mississauga, Ontario L4W 2T3, http://www.panasonic.ca

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Caution

- Observe the following cautions when using this unit.
 - Keep the sound volume at an appropriate level. Keep the volume level low enough to be aware of road and traffic conditions while driving.
 - This unit is designed for use exclusively in automobiles.
 - Do not operate the unit for a prolonged period with the engine turned off. Operating the audio system for a long period of time with the engine turned off will drain the battery.
 - Do not expose the unit to direct sunlight or excessive heat. Exposure of the unit to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. It may lead to smoke, fire, or other damage to the unit.
 - Do not use the product where it is exposed to water, moisture, or dust.
 - Exposure of the unit to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. Make especially sure that the unit does not get wet in car washes or on rainy days.

Observe the following cautions when installing.

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

Caution THIS PRODUCT UTILIZES A CLASS 1 LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR BY YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

The following applies only in the U.S.A.

Part 15 of the FCC Rules
FCC Warning: Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

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.

Cleaning the Unit

If the replaced fuse fails, contact your nearest authorized Panasonic Servicenter.

Warning

- Use fuses of the same specified rating (15 A). Using substitutes or fuses with higher ratings, or connecting the unit directly without a fuse could cause fire or damage to the unit. If the replaced fuse fails, contact your nearest authorized Panasonic Servicenter.

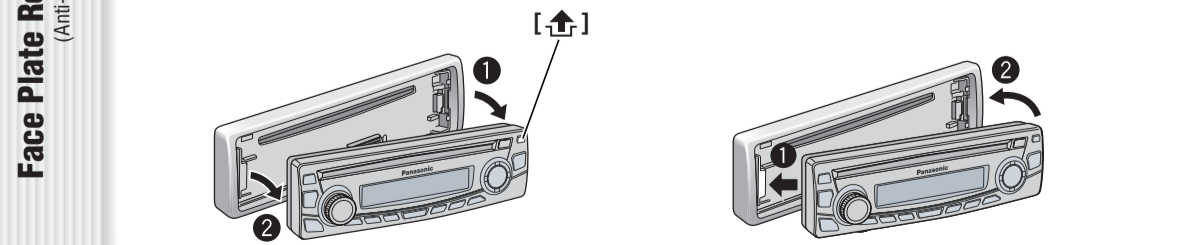
Anti-Theft System

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

Caution

- This face plate is not waterproof. Do not expose it to water or excessive moisture.
- Do not touch the contacts on the face plate and the main unit, since this may result in poor electrical contact.
- If dirt or other foreign substances get on the contacts, wipe them off with a clean and dry cloth.

- | Removing | Mounting |
|--|---|
| 1 Turn off the power. | 1 Slide the left side of the face plate in place. |
| 2 Press [⇩]. The face plate will open. | 2 Press the right end of face plate until a "click" is heard. |
| 3 Pull it out toward you. | |



Before Reading These Instructions

Panasonic welcomes you to our 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.

U.S.A.

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter, purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at: <http://www.panasonic.com/support> or, contact us via the web at: <http://www.panasonic.com/contactinfo>

You may also contact us directly at: 1-800-211-PANA (7262), Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY: 1-877-833-8855.

Accessory Purchases: Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at: <http://www.pasc.panasonic.com> or, send your request by E-mail to: npcparts@panasonic.com

You may also contact us directly at: 1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday-Friday 9 am to 8 pm, EST.)

Panasonic Services Company
20421 84th Avenue South, Kent, WA 98032
(We accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Service in Puerto Rico
Panasonic Puerto Rico, Inc., Panasonic Sales Company
Factory Servicenter:
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787) 750-4300, Fax (787) 768-2910

CANADA

WARRANTY SERVICE
FOR PRODUCT OPERATION ASSISTANCE, please contact:

Our Customer Care Centre:
Telephone #: (905) 624-5505
1-800 #: 1-800-561-5505
Fax #: (905) 238-2360
Email link: "Contact Us" on www.panasonic.ca

FOR PRODUCT REPAIRS, please locate your nearest Authorized Servicentre at www.panasonic.ca.

Link: "Servicentres" locator" under "Customer support"

IF YOU SHIP THE PRODUCT TO A SERVICENTRE
Carefully pack and send prepaid, adequately insured and preferably in the original carton. Include details of the defect claimed, and proof of date of original purchase.

U.S.A.

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter, purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at: <http://www.panasonic.com/support> or, contact us via the web at: <http://www.panasonic.com/contactinfo>

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Notes on Discs

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

If you use commercial CDs, they must have either of these labels shown at right. Some copy-protected music CDs are not playable.

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 the disc in a case.

Do not leave discs in the following places:

- In direct sunlight
- Near car heaters
- Dusty, dirty and damp areas
- On seats and dashboards

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

Labels created by a printer, Protective films or sheets

Discs with adhered stickers or tape

Discs with cracks, scratches or parts missing

Printed side

Irregularly shaped discs

<Correct> <Wrong>

- Notes on MP3**
- You may have trouble playing back some CD-R/W discs recorded using CD recorders (CD-R/W drives), either due to their recording characteristics or dirt, fingerprints, scratches, etc. on the disc surface.
 - CD-R/W discs are less resistant to high temperatures and high humidity than ordinary music CDs. Leaving them inside a car for extended periods may damage them and make playback impossible.
 - Some CD-R/Ws cannot be played back successfully due to incompatibility among writing software, a CD recorder (CD-R/W drive) and the discs.
 - This player cannot play the CD-R/W discs if the session is not closed.
 - This player cannot play the CD-R/W discs which contain other than CD-DA data or MP3.
 - This player cannot play the CD-R/W discs which contain other than CD-DA data or MP3.
 - Be sure to observe the instructions of the CD-R/W disc for handling it.
 - The file extension ".mp3" 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
- Compression formats (Recommendation: *Points to remember when making MP3 files" on the right.)**
- MPEG 1 audio layer 3**
Bit rate: 32 k-320 kbps
VBR: Yes
Sampling frequency: 32, 44.1, 48 kHz
 - MPEG 2 audio layer 3**
Bit rate: 8 k-160 kbps
VBR: Yes
Sampling frequency: 16, 22.05, 24 kHz
- Recording MP3 files on a CD-media**
- You are recommended to minimize the chances of making a disc that contains both CD-DA files and MP3 files, the songs may not play in the intended order, or some songs may not play at all.
 - Do not record files other than MP3 files and unnecessary folder on a disc.
 - The name of MP3 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 files or displaying the information of MP3 files recorded with certain writing software or CD recorders.

U.S.A.

PANASONIC CONSUMER ELECTRONICS COMPANY, DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA (The Panasonic Way, Secaucus, New Jersey 07094)

PANASONIC SALES COMPANY, DIVISION OF PANASONIC PUERTO RICO, INC. Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

PANASONIC AUTO PRODUCTS LIMITED WARRANTY

LIMITED WARRANTY COVERAGE
If your product does not work properly because of defects in materials and workmanship. Panasonic Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantors") will, for the length of the period indicated in the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or refurbished product. The decision to repair or replace will be made by the warrantor.

Categories	Parts	Labor
Audio Components (except items listed below)	One (1) Year	One (1) Year
MXE Series Audio Components (except items listed below)	Two (2) Years	Two (2) Years
Speakers/ Selective Car Audio Speakers under warranty (must be exchanged at the place of purchase. Contact your Dealer for details)	One (1) Year	Not Applicable
Accessories (in exchange for defective items)	Ninety (90) Days	Not Applicable

During the "Labor" warranty period, there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in or mail-in your product prepaid during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and used in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

CARRY-IN OR MAIL-IN SERVICE
For Carry-in or Mail-in Service in the United States, call 1-800-211-PANA (7262) or visit www.panasonic.com. For assistance in Puerto Rico, call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

LIMITED WARRANTY LIMITS AND EXCLUSIONS
This warranty DOES NOT COVER failures due to defects in materials and workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred during shipping, or which have been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty. This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of the original purchase date is required before warranty service is performed.

THIS EXPRESS LIMITED WARRANTY IS THE LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

CANADA

Panasonic Canada Inc., 5770 Ambler Drive, Mississauga Ontario L4W 2T3

PANASONIC PRODUCT LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in materials and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

CAA AUDIO PRODUCT - ONE (1) YEAR, PARTS AND LABOUR
(The labour to install or remove the product is not warranted).
ACCESSORIES - NINETY (90) DAYS, (IN EXCHANGE FOR DEFECTIVE ITEMS)

LIMITATIONS AND EXCLUSIONS
This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to damage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty. This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of the original purchase date is required before warranty service is performed.

THIS EXPRESS LIMITED WARRANTY IS THE LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

Notes on MP3

Notes on MP3

Note: MP3 encoding and writing software is not supplied with this unit.

Points to remember when making MP3 files

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

Caution

Never assign the ".mp3", file name extension to a file that is not in the MP3 format. This may not only produce noise from the speaker damage, but also damage your hearing.

Display Information

Displayed items

- CD-TEXT
Disc title
Track title
- MP3
Folder name
File name
- MP3 (ID3 tag)
Album name
Title name/Artist name

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 September 2006. It has no warranty for reproducibility and displayability of MP3.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

Folder selection order/file playback order

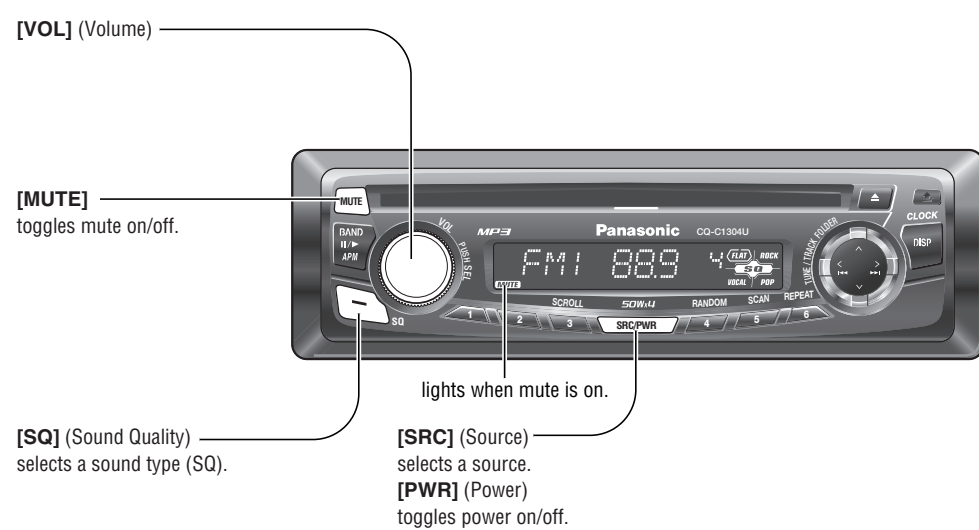
Maximum number of files/folders

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

Notes:

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

General



[VOL] (Volume)
selects a value in the audio menu. (**PUSH SEL**) (Push to Select) selects items in the audio menu.

[MUTE]
toggles mute on/off.

[SRC] (Sound Quality)
selects a sound type (SQ).

[SRC] (Source)
selects a source. (**PWR**) (Power) toggles power on/off.

lights when mute is on.

Power On/Off
Set your car's ignition switch to the ACC or ON position.
Power on: Press **[SRC] (PWR)**.
Power off: Hold down **[SRC] (PWR)** for more than 1 second.

Source Selection
Press **[SRC]** to change the source.
Radio → Disc Player

Volume Adjustment
(Setting Range: 0 to 40, Default: 18)
Turn **[VOL]**.

Mute
ON: Press **[MUTE]**. (**[MUTE]** lights.)
OFF: Press **[MUTE]** again.

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 **[SQ]** to select the sound type as follows:

[FLAT] flat frequency response: does not emphasize any part. (Default)

[ROCK] speedy and heavy sound: exaggerates bass and treble.

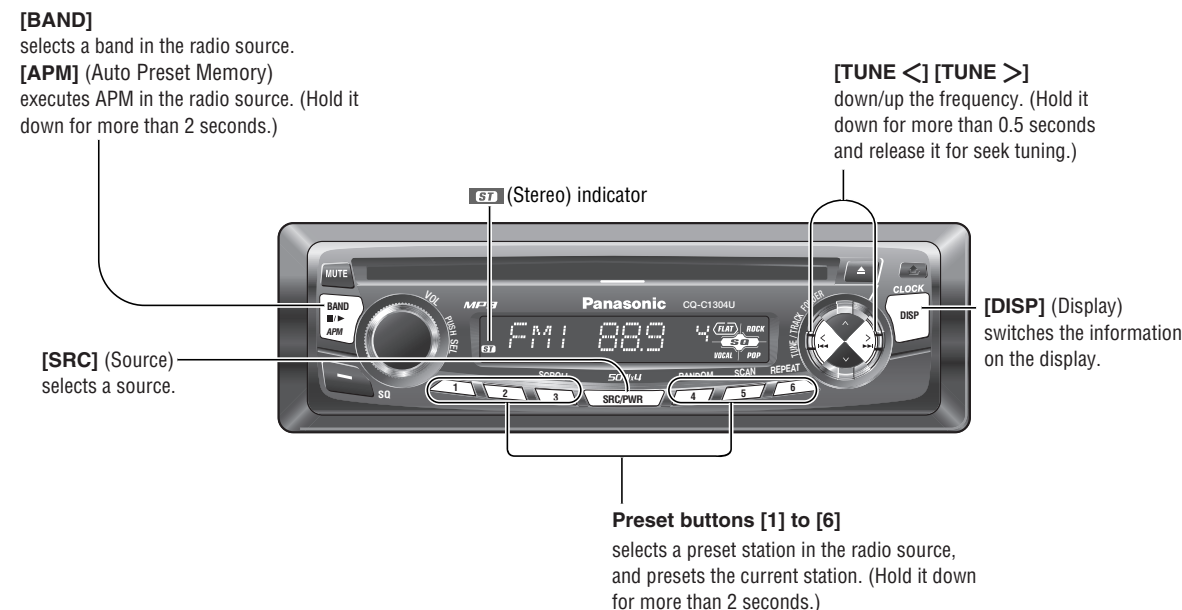
[POP] wide-ranged and deep sound: slightly emphasizes bass and treble.

[VOCAL] clear sound: emphasizes middle tone and slightly emphasizes treble.

Note: Settings of SQ, bass and treble are influenced one another. If such an influence causes distortion to the audio signal, readjust bass/treble or volume.

General Operations

Radio (AM/FM)



[BAND]
selects a band in the radio source.
[APM] (Auto Preset Memory) executes APM in the radio source. (Hold it down for more than 2 seconds.)

[SRC] (Source)
selects a source.

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

[TUNE <] [TUNE >]
down/up the frequency. (Hold it down for more than 0.5 seconds and release it for seek tuning.)

[Stereo] indicator

Preset buttons [1] to [6]
selects a preset station in the radio source, and presets the current station. (Hold it down for more than 2 seconds.)

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

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

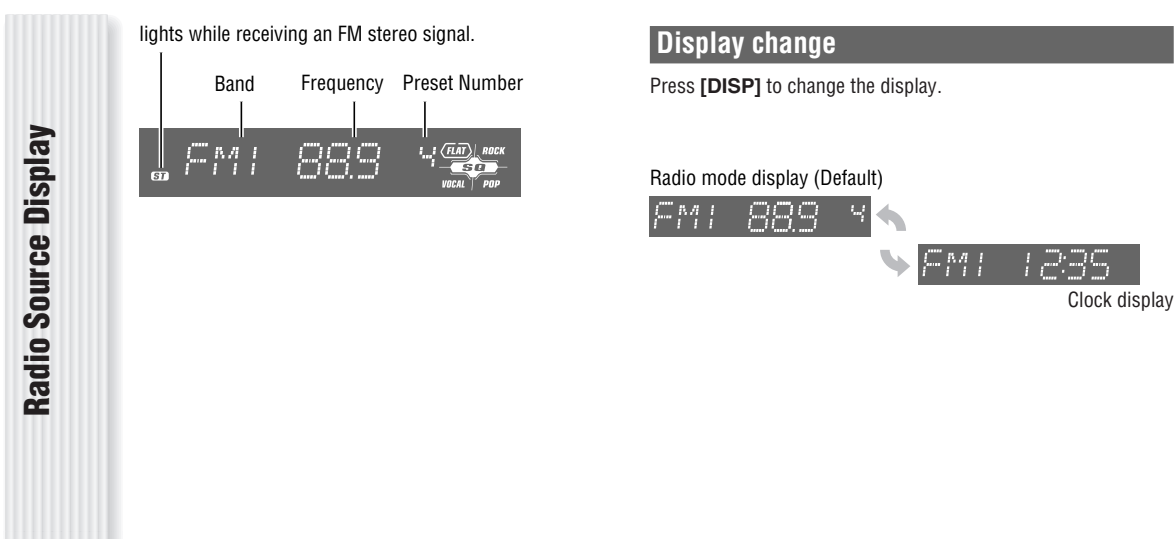
3 Select a station.

Frequency adjustment
[TUNE <]: Lower
[TUNE >]: Higher

Note: Hold down either of them for more than 0.5 seconds and release it for seek tuning.

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

Operation Flow



Radio Source Display

lights while receiving an FM stereo signal.

Up to 6 stations can be preset in AM, FM1, FM2, and FM3 respectively. Preset stations can be simply called up by pressing **[1]** to **[6]**.

Auto Preset Memory (APM)
With this operation, stations with good receiving conditions can be automatically stored in the preset memory.

1 Select a band.

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

Note: New stations overwrite existing saved stations.

Manual station preset

1 Tune into a station.

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

Note: New stations overwrite existing saved stations.

Station Preset

Up to 6 stations can be preset in AM, FM1, FM2, and FM3 respectively. Preset stations can be simply called up by pressing **[1]** to **[6]**.

Auto Preset Memory (APM)
With this operation, stations with good receiving conditions can be automatically stored in the preset memory.

1 Select a band.

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

Note: New stations overwrite existing saved stations.

Station Preset

Audio Settings



[VOL]
selects a value in the audio menu. (**PUSH SEL**) (Push to Select) selects items in the audio menu.

[DISP] (Display)
exits from the audio menu.

1 Press **[VOL] (PUSH SEL)** to display the audio menu display.
Note: If no operation takes place for more than 5 seconds in the audio menu (2 seconds in Main volume adjustment), the display returns to the regular mode.

2 Press **[VOL] (PUSH SEL)** to select a mode to be adjusted.

3 Turn **[VOL]** clockwise or counterclockwise to adjust.

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

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

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

Balance
(Setting Range: 15 levels each, Default CNT (center))

Fader
(Setting Range: 15 levels each, Default CNT (center))

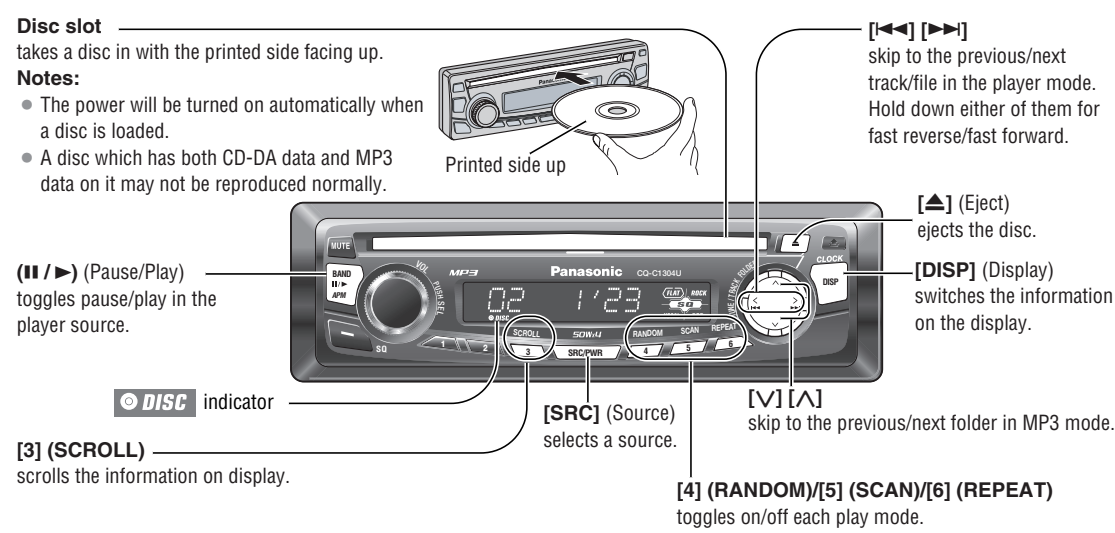
Note: If the fader is set to front, the pre-amp. output (rear) is decreased.

Audio menu

Memorandum



Player (Disc Player)



Disc slot
takes a disc in with the printed side facing up.

Notes:

- The power will be turned on automatically when a disc is loaded.
- A disc which has both CD-DA data and MP3 data on it may not be reproduced normally.

[Eject] (Eject) ejects the disc.

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

[SRC] (Source)
selects a source.

[V] [A]
skip to the previous/next folder in MP3 mode.

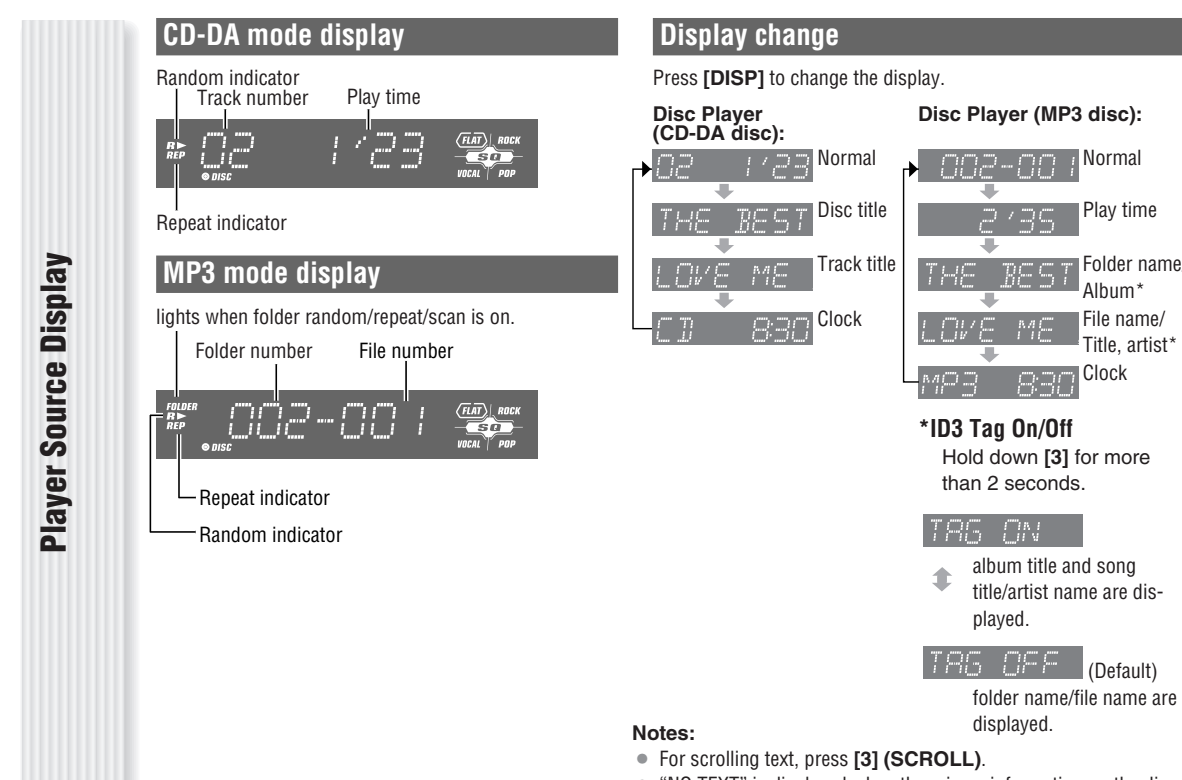
[3] (SCROLL)
scrolls the information on display.

[4] (RANDOM)/[5] (SCAN)/[6] (REPEAT)
toggles on/off each play mode.

Caution

- Do not insert a disc when the **[DISC]** indicator lights.
- Refer to the section of "Notes on Discs" and "Notes on MP3."
- This unit does not support 8 cm (3") discs.
- If you insert an 8 cm (3") disc and cannot eject it, turn the ignition key to the ACC OFF position once and turn the key to the ACC ON position again, then press **[Eject]**.
- Do not insert foreign objects into the disc slot.

Operation Flow



CD-DA mode display

Random indicator
Track number
Play time

MP3 mode display

lights when folder random/repeat/scan is on.

Folder name
File number

Repeat indicator
Random indicator

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

Disc Player (CD-DA disc):

Normal
Disc title
Track title
Clock

Disc Player (MP3 disc):

Normal
Play time
Folder name/Album*
File name/Title, artist*
Clock

***ID3 Tag On/Off**
Hold down **[3]** for more than 2 seconds.

TAG ON
album title and song title/artist name are displayed.

TAG OFF (Default)
folder name/file name are displayed.

Notes:

- For scrolling text, press **[3] (SCROLL)**.
- "NO TEXT" is displayed when there is no information on the disc.

Random play
All the available tracks/files are played in a random sequence.
Press **[4] (RANDOM)**.
Press again to cancel.

Folder repeat play (MP3)
The current folder is repeated.
Hold down **[6] (REPEAT)** for more than 2 seconds.
Press again to cancel.

Folder random play (MP3)
All the available files in current folder are played in a random sequence.
Hold down **[4] (RANDOM)** for more than 2 seconds.
Press again to cancel.

Repeat play
The current track/file is repeated.
Press **[6] (REPEAT)**.
Press again to cancel.

Folder scan play (MP3)
From the next folder, the first 10 seconds of the first file in each album is played in sequence.
Hold down **[5] (SCAN)** for more than 2 seconds.
Press again to cancel.

Player Source Display

Random, Repeat, Scan

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 Servicenter. The product should be serviced only by qualified personnel. Please refer the checking and the repair to professionals. Panasonic shall not be liable for any accidents arising out of neglect of checking the unit or your own repair after your checking.

Never take measures especially for those other than indicated by *italic* letters in "Check point" described below because those are too dangerous for users to handle themselves.

Trouble	Check point
Common	
No power	<ul style="list-style-type: none"> Start the engine. (Or turn the ignition switch to the ACC position.) Verify the wiring, (battery lead, power lead, ground lead, etc.) Fuse blown (Contact the nearest Panasonic Servicenter.) Ask a professional for fuse replacement. Be sure to use the same rated fuse.
No sound	<ul style="list-style-type: none"> Disable the mute function. Verify the wiring. Wait until the dew disappears before turning on the unit.
Noise	<ul style="list-style-type: none"> Make sure that grounding is established properly.
No sound from left, right, front, or rear speaker	<ul style="list-style-type: none"> Adjust the balance and fader. Verify the wiring.
Left and right sounds are reversed	<ul style="list-style-type: none"> Connect the speaker lead correctly.
Radio	
Frequent noise	<ul style="list-style-type: none"> Tune in to another station of high-intensity waves. Make sure that the antenna mounted point is grounded properly.
Preset data deleted	<ul style="list-style-type: none"> The preset memory is cleared to return to the original factory setting when the power connector or battery is disconnected.
Warning	
<ul style="list-style-type: none"> Do not use the unit in an irregular condition, for example, without sound, or with smoke or a foul smell, which can cause ignition or electric shock. Immediately stop using the unit and consult your dealer. Never try to repair the unit by yourself because it is dangerous to do so. 	
Disc Player	
No sound, or disc is automatically ejected	<ul style="list-style-type: none"> Load the disc correctly. Clean the disc.
Sound skip, poor sound quality	<ul style="list-style-type: none"> Clean the disc.
Sound skip due to vibration	<ul style="list-style-type: none"> The maximum permissible tilt angle is 30°. Secure the unit.
Disc unejectable	<ul style="list-style-type: none"> Press [Eject]. If the disc is still not ejected, contact the nearest Panasonic Servicenter.
Error Display Messages	
-E1-	(The disc is ejected automatically.) The disc is dirty, or is upside down. The disc has scratches. Check the disc.
-E2-	No operation by some cause. If normal operation is not restored, consult your dealer or the nearest Servicenter to ask for repairs.
-E3-	Cannot read the file Check the file.
-E4-	Cannot read the file Check the file.

Memorandum



Memorandum



⚠ WARNING/AVERTISSEMENT/ADVERTENCIA

⚠ This installation information is designed for professional installers with knowledge of automobile electrical safety systems and is not intended for non-technical, do-it-yourself individuals. It does not contain instructions on the electrical installation and avoidance of potential harm to air bag, anti-theft and ABS braking or other systems necessary to install this product. Any attempt to install this product in a motor vehicle by anyone other than a professional installer could cause damage to the electrical safety system and could result in serious personal injury or death.

⚠ If your car is equipped with air bag and/or anti-theft systems, specific procedures may be required for connection and disconnection of the battery to install this product. Before attempting installation of this electronic component against the manufacturer's recommendation, you must contact your car dealer or manufacturer to determine the required procedure and strictly follow their instructions.

FAILURE TO FOLLOW THE PROCEDURE MAY RESULT IN THE UNINTENDED DEPLOYMENT OF AIR BAGS OR ACTIVATION OF THE ANTI-THEFT SYSTEM RESULTING IN DAMAGE TO THE VEHICLE AND PERSONAL INJURY OR DEATH.

⚠ Les informations concernant cette installation sont destinées aux techniciens professionnels, compétents dans le domaine des systèmes de sécurité électrique pour automobiles et ne sont pas destinées aux bricoleurs ou aux personnes non professionnelles. Elles ne contiennent pas d'instructions sur les installations électriques ni d'avertissements sur les dangers potentiels des coussins gonflables et des systèmes antivol, de freinage ABS ou autres, avertissements qui sont indispensables pour installer cet appareil. Toute tentative d'installer cet appareil dans un véhicule par une personne autre qu'un installateur professionnel pourrait endommager le système de sécurité électrique, et pourrait provoquer des blessures physiques graves, voire la mort.

⚠ Si votre voiture est équipée de coussins gonflables et/ou d'un système antivol, des procédures spécifiques sont parfois requises pour la connexion et la déconnexion de la batterie pour installer cet appareil. Avant de tenter malgré tout l'installation de ce composant électronique contrairement aux recommandations du fabricant, vous devez entrer en contact avec votre concessionnaire ou votre fabricant automobile pour déterminer la procédure requise et vous conformer strictement à leurs instructions. **LE FAIT DE NE PAS SUIVRE CETTE PROCÉDURE PEUT PROVOQUER UN DÉPLOIEMENT DES COUSSINS GONFLABLES OU L'ACTIVATION DU SYSTÈME ANTIVOL POUVANT ENDOMMAGER LE VÉHICULE OU PROVOQUER DES BLESSURES PHYSIQUES, VOIRE LA MORT.**

⚠ La información de instalación va dirigida a instaladores profesionales con conocimientos de los sistemas de seguridad eléctricos de los automóviles y no se ha preparado para individuos sin conocimientos técnicos. No contiene instrucciones sobre la instalación eléctrica ni advertencias relacionadas con los posibles daños en los airbag, sistema antirrobo y de frenos ABS, ni otros sistemas, que pueden causarse al intentar instalar este producto. Cualquier intento de instalar este producto en un vehículo motorizado por parte de una persona que no sea un instalador cualificado podrá causar daños en los sistemas eléctricos de seguridad, pudiendo causar heridas graves o incluso la muerte.

⚠ Si su automóvil está provisto de sistemas de airbags y/o antirrobo, pueden resultar necesarios unos procedimientos específicos para conectar y desconectar la batería a fin de instalar este producto. Antes de intentar instalar este componente electrónico en contra a las recomendaciones del fabricante, deberá ponerse en contacto con el concesionario o fabricante de su automóvil para determinar el procedimiento requerido y deberá seguir estrictamente sus instrucciones. **SI NO SIGUE EL PROCEDIMIENTO INDICADO PUEDE RESULTAR EN QUE SE INFLAN ACCIDENTALMENTE LOS AIRBAG O SE ACTIVE EL SISTEMA ANTIRROBO, RESULTANDO EN DAÑOS EN EL VEHÍCULO Y HACIÉNDOLE CORRER EL PELIGRO DE HERIDAS PERSONALES O DE MUERTE.**

Before Installation/Avant l'installation/ Antes de la instalación

Consult a professional for installation.

● Verify the radio using the antenna and speakers before installation.

Entrez en contact avec un spécialiste pour le montage.

● Vérifiez l'autoradio avant de procéder au montage.

Para realizar la instalación consulte a un profesional.

● Verifique el funcionamiento de la radio empleando la antena y los altavoces antes de realizar la instalación.

Before Wiring/Avant le câblage/ Antes de realizar las conexiones

Please refer to the "WARNING" statement above.

Exclusively operated with 12 V battery with negative (-) ground.

Connect the power lead (red) last.

Connect the battery lead (yellow) to the positive (+) terminal of the battery or fuse block terminal (BAT).

Strip about 5 mm {1/4"} of the lead ends for connection.

Apply insulating tape to bare leads.

Reportez-vous à l' "AVERTISSEMENT" ci-dessus.

Alimentez l'appareil exclusivement avec une batterie de 12 volts avec sa polarité négative (-) mise à la masse.

Raccordez le fil d'alimentation (rouge) en dernier.

Connectez le fil (jaune) à la borne positive (+) de la batterie ou à la borne (BAT) de la boîte à fusibles.

Dénudez les extrémités de fil de 5 mm {1/4 po} environ pour la connexion.

Recouvrez les fils nus d'un ruban isolant.

Consulte el apartado "ADVERTENCIA" arriba mencionado.

Conecte exclusivamente una alimentación de batería de 12 voltios con el negativo (-) a tierra.

Conecte el cable de la alimentación (rojo) en último lugar.

Conecte el cable de la batería (amarillo) al terminal positivo (+) de la batería o al terminal (BAT) del bloque de fusibles.

Pele unos 5 mm {1/4"} de los extremos del cable para efectuar la conexión.

Ponga cinta aislante en los cables desnudos.



**Installation Instructions
Instructions d'installation
Instrucciones de instalación**



- Please read these instructions carefully before using this product and keep this manual for future reference.
- Prière de lire ces instructions attentivement avant d'utiliser le produit et garder ce manuel pour l'utilisation ultérieure.
- Lea con atención estas instrucciones antes de utilizar el producto y guarde este manual para poderlo consultar en el futuro.

Supplied Hardware/Matériel d'installation/Accesorios suministrados

No.	Item	Diagram	Q'ty	No.	Item	Diagram	Q'ty
①	Mounting Collar Cadre de montage Collar de montaje FX0214C384ZB		1	④	Lock Cancel Plate Plaque anti-blocage Placa de cancelación de bloqueo *		2
②	Mounting Bolt (5 mm ø) Boulon de fixation (5 mm ø) Perno de montaje (5 mm ø) *		1	⑤	Power Connector Connecteur d'alimentation Conector de alimentación YGAJ021012		1
③	Rubber Bushing Bague en caoutchouc Buje de goma *		1	⑥	Trim Plate Plaque de garniture Placa de guarnición YFC054C081ZA		1

* ②, ③ and ④ consist of a set. (ZZBISC1101U-J)

* ②, ③ et ④ constituent un jeu. (ZZBISC1101U-J)

* ②, ③ y ④ forman un juego. (ZZBISC1101U-J)

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One Panasonic Way, Secaucus, New Jersey 07094
http://www.panasonic.com

Panasonic Sales Company, Division of Panasonic Puerto Rico, Inc. ("PSC")
Ave. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985
http://www.panasonic.com

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3
http://www.panasonic.ca

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Installation/Montage/Instalación

How to install the unit/Mode de montage de l'appareil/Instalación de la unidad

⚠ Caution

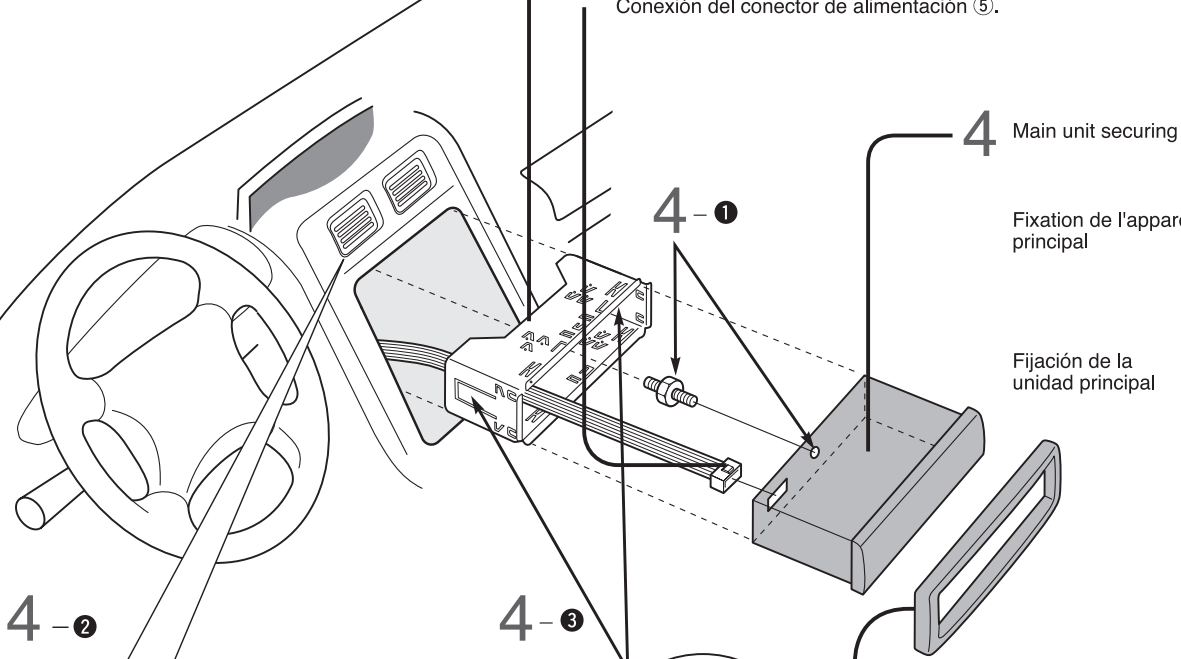
- Wear gloves for safety.
- Make sure that wiring is completed before installation.

⚠ Précaution

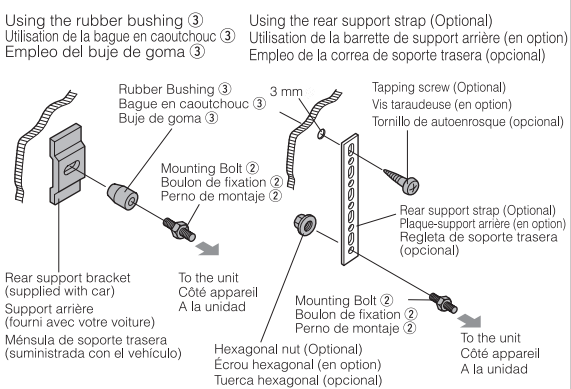
- Portez des gants à des fins de sécurité.
- Assurez-vous que le câblage est terminé avant l'installation.

⚠ Precaución

- Póngase guantes para mayor seguridad.
- Asegúrese de haber completado todas las conexiones eléctricas antes de realizar la instalación.



**Securing to fire wall
Fixation au tablier
Fijación a la pared cortafuegos**



1 Remove the cable from the battery negative terminal.
Retirez le câble de la borne négative de la batterie.
Extraiga el cable del terminal negativo de la batería.

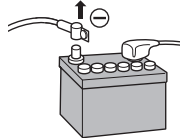
2 Mounting collar ① insertion. Bend mounting tabs.
Insertion du cadre de montage ①. Pliez les languettes de fixation.
Inserción del collar de montaje ①. Doble las lengüetas de montaje.

3 Connection of power connector ⑤.
Raccordement du connecteur d'alimentation ⑤.
Conexión del conector de alimentación ⑤.

4 Main unit securing
Fixation de l'appareil principal
Fijación de la unidad principal

5 Trim plate ⑥ mounting
Installation de la plaque de garniture ⑥
Montaje de la placa de guarnición ⑥

6 Battery Cable reconnection
Rebranchement du câble
Reconexión de cables



Bend appropriate tabs to secure the unit without backlash.
Repliez les languettes de fixation appropriées pour immobiliser l'appareil sans contrecoup.
Doble las lengüetas apropiadas para fijar la unidad sin contragolpe.

1 Screw the mounting bolt ② into the main unit.
2 Secure to the fire wall.
3 Slide the unit into the mounting collar until a click is heard. Securing the unit.

1 Vissez le boulon de fixation ② dans l'appareil principal.
2 Fixez l'arrière au tablier.
3 Faites coulisser l'appareil dans le cadre de montage jusqu'à ce qu'un déclic soit entendu pour fixer l'appareil.

1 Enrosque el perno de montaje ② en la unidad principal.
2 Fijelo a la pantalla cortafuegos.
3 Deslice la unidad al collar de montaje hasta oír un sonido seco de confirmación. Fijación de la unidad.

⚠ Caution

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.

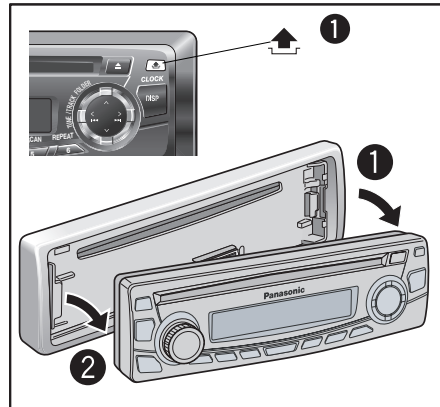
⚠ Précaution

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.

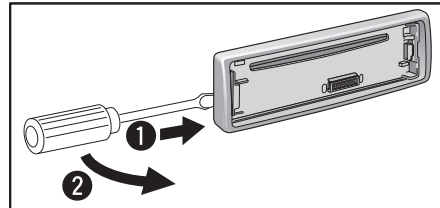
⚠ Precaución

Cuando instale esta unidad en el tablero de instrumentos, asegúrese de que haya suficiente ventilación de aire en torno a la unidad para evitar daños debidos al sobrecalentamiento, y no obstruya ningún orificio de ventilación de la unidad.

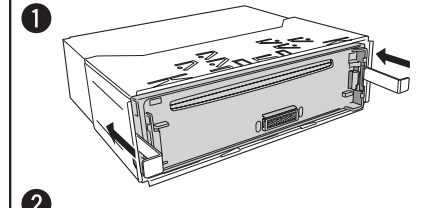
How to remove the unit/Retrait de l'appareil/ Extracción de la unidad



1 Remove the face plate.
Retirez le panneau avant.
Extraiga la placa del panel.

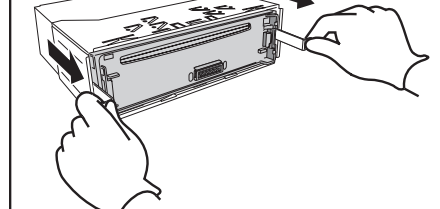


2 Remove the trim plate ⑥.
Enlevez la plaque de garniture ⑥.
Extraiga la placa de guarnición ⑥.

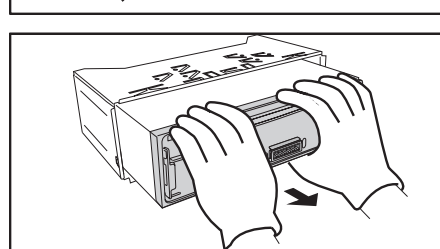


3 Lock release
1 Insert the lock cancel plate ④ until you hear a click.
2 Pull the main unit.

Libération du verrouillage
1 Introduisez la plaque anti-blocage ④ jusqu'à entendre un clic.
2 Dégagez l'appareil principal.

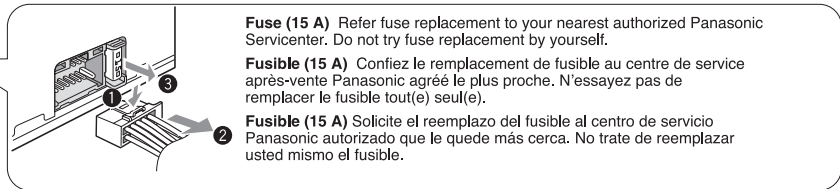
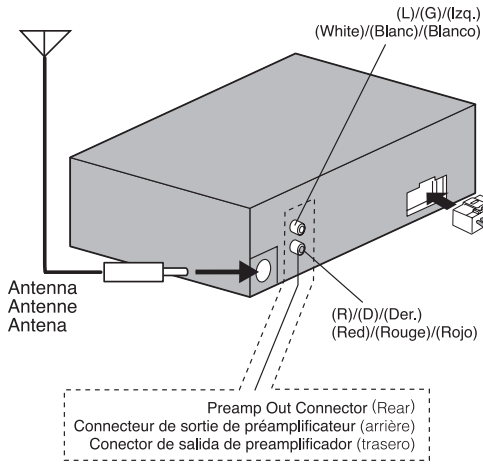


Desbloqueo
1 Inserte la placa de cancelación de bloqueo ④ hasta oír un sonido seco de confirmación.
2 Tire de la unidad principal.



4 Pull out the unit with both hands.
Retirez l'appareil à deux mains.
Extraiga la unidad con ambas manos.

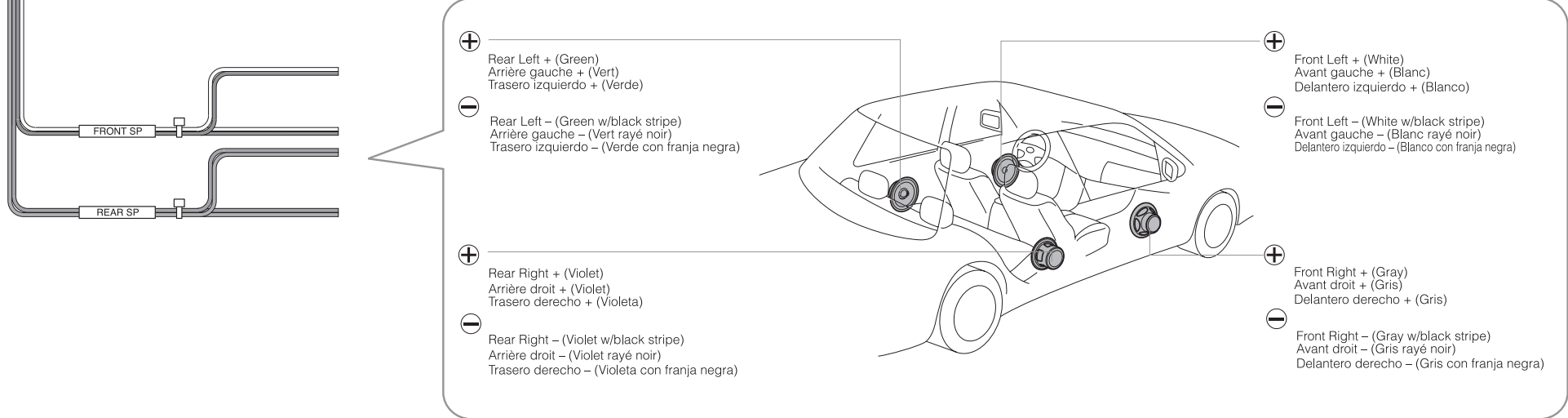
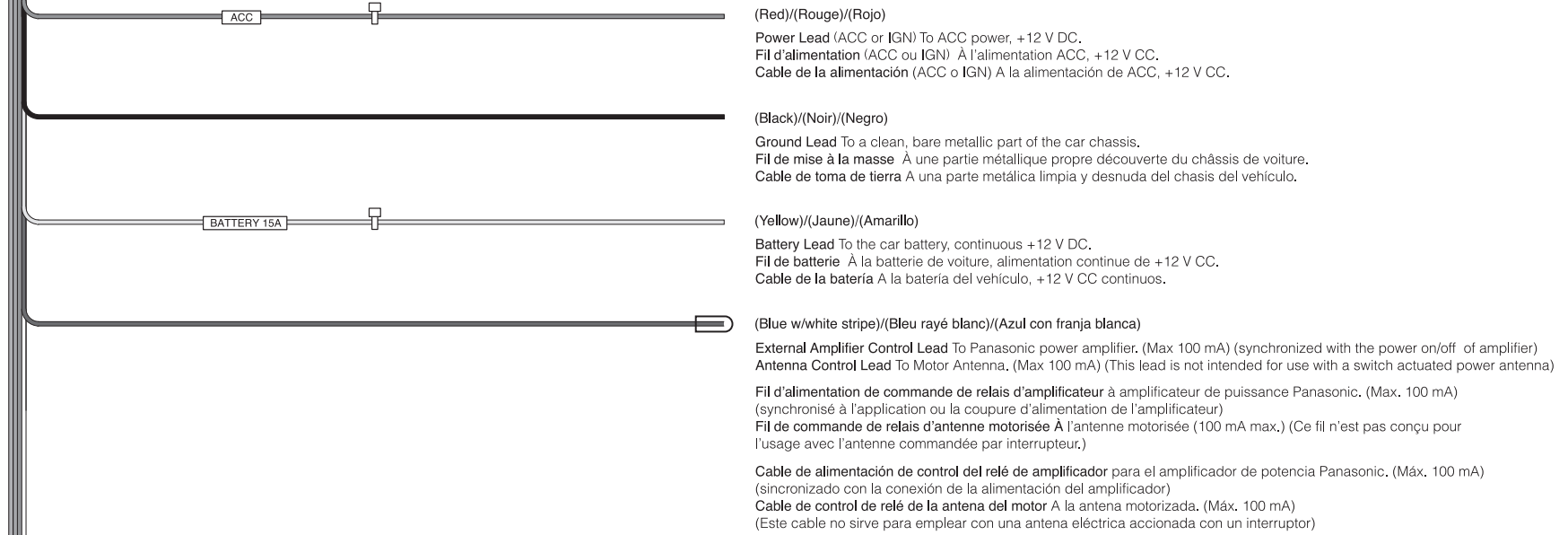
Wiring/Câblage/Conexiones eléctricas



⚠ Caution
To prevent damage to the unit, do not connect the power connector until the whole wiring is completed.

⚠ Précaution
Pour éviter d'endommager l'appareil, ne branchez pas le connecteur d'alimentation sur l'appareil avant d'avoir effectué tous les raccordements.

⚠ Precaución
Para evitar daños en la unidad, no conecte el conector de alimentación hasta haber completado todas las conexiones.



Final Installation/Installation finale/Instalación final

Lead Connections
Connect all wires, making sure that each connection is insulated and secure. Bundle all loose wires and fasten them with tape so they will not fall down later. Now insert the unit into the mounting collar. Congratulations! After making a few final checks, you're ready to enjoy your new auto stereo system.

Câblage
Raccordez tous les fils en prenant soin qu'ils soient tous bien isolés et solidement connectés. Enroulez toute longueur excessive de fil et fixez-la en place avec une bande adhésive. Installez l'appareil dans son cadre de montage. Félicitations! Après avoir effectué quelques vérifications finales, vous êtes prêt à profiter pleinement de votre nouveau système autoradio.

Conexiones de cables
Conecte todos los cables, asegurándose de que cada conexión queda aislada y segura. Agrupe todos los cables sueltos y fíjelos con cinta para que no queden colgando. Inserte entonces la unidad en el collar de montaje. ¡Enhorabuena! Después de realizar algunas comprobaciones finales, estará preparado para disfrutar de su nuevo sistema estéreo para automóvil.

Final Check/Vérifications finales/Comprobación final

1. Make sure that all wires are properly connected and insulated.
2. Make sure that the main unit is securely held in the mounting collar.
3. Turn on the ignition to check the unit for proper operation.

If you have difficulties, consult your nearest authorized professional installer for assistance.

1. Assurez-vous que tous les fils sont bien raccordés et isolés.
2. Assurez-vous que l'appareil est solidement en place dans son cadre de montage.
3. Faites démarrer la voiture et vérifiez le fonctionnement de l'appareil.

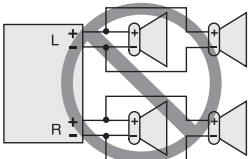
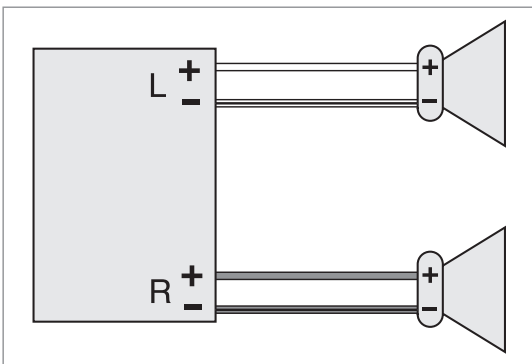
En cas de difficulté, consultez un installateur professionnel.

1. Asegúrese de que todos los cables estén correctamente conectados y aislados.
2. Asegúrese de que la unidad principal quede fijada con seguridad en el collar de montaje.
3. Conecte el encendido para comprobar el correcto funcionamiento de la unidad.

Si tiene alguna dificultad, consulte al instalador profesional que le quede más cerca para que le ayude.

Speaker Connection/Branchement avec les haut-parleurs/Conexión de los altavoces

Connect as follows.
Branchez les haut-parleurs comme suit.
Conecte de la forma siguiente.



- Use ungrounded speakers only. Allowable input: 50 W or more. Impedance: 4 – 8 Ω
- Use of speakers which do not match the specifications can cause burning, smoking or damage of the speakers.
- Distance between speaker and amplifier: 30 cm {12"} or more
- Utilisez uniquement des haut-parleurs non reliés à la masse. Puissance d'entrée admissible: 50 W ou davantage. Impédance: 4 – 8 Ω
- L'utilisation de haut-parleurs qui ne correspondent pas aux caractéristiques techniques adéquates peut provoquer un dégagement de fumée, l'inflammation ou l'endommagement des haut-parleurs.
- Distance entre le haut-parleur et l'amplificateur: 30 cm {12 po} ou
- Emplee solamente altavoces sin toma de tierra. Entrada permisible: 50 W o más. Impedancia: 4 - 8 Ω
- La utilización de altavoces que no cumplan con las especificaciones indicadas puede hacer que los altavoces se quemen, echen humo o sufran daños.
- Distancia entre el altavoz y el amplificador: 30 cm {12"} o más

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

⚠ Précaution
● Ne raccordez pas plus d'un haut-parleur à un ensemble de fils de haut-parleur. (Sauf lors du raccordement à un haut-parleur des aigus)

⚠ Precaución
● No conecte más de un altavoz a un juego de cables de altavoz. (excepto para la conexión a un altavoz de agudos)

- Do not use a 3-wire type speaker system having a common earth lead.
- N'utilisez pas de système de haut-parleur de type à 3 fils ayant un fil de mise à la masse commun.
- No emplee sistemas de altavoz del tipo de 3 cables con cable de masa común.