

Specifications

General

Power supply : DC 12 V (11 – 16 V), test voltage 14.4 V, negative ground
 Current consumption : Less than 2.2 A (CD mode; 0.5 W 4 channels)
 Maximum power output : 50 W x 4 (at 1 kHz), volume control maximum
 Tone adjustment range : Bass: ±12 dB at 100 Hz, Treble: ±12 dB at 10 kHz
 Speaker impedance : 4 – 8 Ω
 Pre-amp output voltage : 2.5 V (CD mode, 1 kHz, 0 dB)
 Pre-amp output impedance : 200 Ω
 Dimensions (W x H x D) : 178 x 50 x 160 mm
 Weight : 1.3 kg

Disc Player

Sampling frequency : 8 times oversampling
 DA converter : 1 bit DAC System
 Pick-up type : Astigma 3-beam
 Light source : Semiconductor laser
 Wave length : 790 nm
 Frequency response : 20 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

FM Stereo Radio

Frequency range : 87.50 MHz – 108.00 MHz
 Usable sensitivity : 6 dBµV (S/N 30 dB)
 Frequency response : 30 Hz – 15 kHz (±3 dB)
 Alternate channel selectivity : 75 dB
 Stereo separation : 35 dB (1 kHz)
 Image rejection ratio : 70 dB
 IF rejection ratio : 100 dB
 Signal to noise ratio : 62 dB

AM Radio

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

Note:

- 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	Installation kit (YEP0FZ5698)	Mounting Collar (YEFX0217263)
Operating Instructions (English : YEFM285618) (Русский : YEFM285640) (中文 : YEFM285641) (한국어 : YEFM285642) (العربية : YEFM285643) Q'ty: 1 set	Lock Cancel Plate Q'ty: 2 Mounting Bolt Q'ty: 1 Rubber Bushing Q'ty: 1	Trim Plate (YEF0051002) Q'ty: 1 Power Connector (YEAJ02877) Q'ty: 1 Remote Control Unit (Includes a battery) (EUR7641010) Q'ty: 1
Note: <ul style="list-style-type: none"> The number in parentheses underneath each accessory part name is the part number for maintenance and service. Accessories and their part numbers are subject to modification without prior notice due to improvements. Mounting Collar and Trim Plate are mounted on the main unit at shipment. 		



• Please read these instructions carefully before using this product and keep this manual for future reference.

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.

Panasonic

English

WMA MP3 CD Player/Receiver

CQ-C1301W

Operating Instructions

Safety Information

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.
- Keep batteries and insulation film out of reach of infants.**
Batteries and insulation film can be ingested, so keep them out of the reach of infants. If an infant ingests a battery or insulation film, please seek immediate medical attention.
- 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.
- The remote control unit should not lie about in the car.**
If the remote control unit lies about, it could fall on the floor while driving, get wedged under the brake pedal, and lead to a traffic accident.
- 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.**
- 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 have 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-equipping 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.**

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.**
Otherwise these will raise the interior temperature of the unit, and 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 handling the battery for the remote control unit.

- Use only specified battery (CR2025).
 - Match the polarity of the battery with the (+) and (-) marks in the battery case.
 - Replace dead battery as soon as possible.
 - Remove the battery from the remote control unit when not using it for an extended period of time.
 - Insulate the battery (by placing them in a plastic bag or covering them with vinyl tape) before disposal or storage.
 - Dispose of the battery according to the local regulations.
 - Do not disassemble, recharge, heat or short the battery. Do not throw a battery into a fire or water.
- In case of battery leakage**
- Thoroughly wipe the battery liquid off the battery case and insert new battery.
 - If any part of your body or clothing comes into contact with battery liquid, wash it with plenty of water.
 - If battery liquid comes into contact with your eyes, wash them with plenty of water and get immediate medical attention.
- Observe the following cautions when installing.**
- 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 IS A CLASS 1 LASER PRODUCT. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR BY YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Preparation

First Time Power On

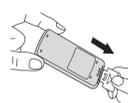
- Set your car's ignition switch to the ACC or ON position. The demonstration screen appears.
- Press [DISP] (Display). The demonstration screen is canceled, and no more appears.
- Press [SRC] (PWR: Power).



Note: If you would like to turn on the power and make the demonstration message appear, hold down [SRC] (PWR) for more than 4 seconds.

Battery Installation

Pull the insulation film out from the backside of the remote control gently.



Note: Battery Information:
 Battery Type: Panasonic lithium battery (CR2025) (Included in the remote control)
 Battery Life: Approximately 6 months under normal use (at room temperature)

The 24-hour system is used for the clock.

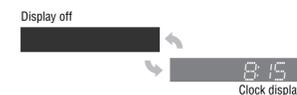
- Press [DISP] (CLOCK).
 (clock display)
- Hold down [DISP] (CLOCK) for more than 2 seconds.
 Hours blinks
- Adjust the hour.
 Hours set
 [>]: sets the hour ahead.
 [<]: sets the hour back.
- Press [DISP] (CLOCK).
 Minutes blinks
- Adjust the minute.
 Minutes set
 [>]: sets the minute ahead.
 [<]: sets the minute back.
- Press [DISP] (CLOCK).
 Complete

Note:

- "ADJUST" is displayed before adjusting the clock.
- Hold down [<] or [>] to change numbers rapidly.

Clock Display at Power Off

Press [DISP] to change the display.



Maintenance

Cleaning the Unit

This unit 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.

Fuse

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

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 Service Center.**

Anti-Theft System

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

Face Plate Removing/Mounting (Anti-Theft System)

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 high.
- 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.

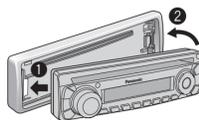
Removing

- Turn off the power.
- Press [↑]. The face plate will open.
- Pull it out toward you.



Mounting

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



Notes on Discs

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

If you use commercial CDs, they must have the label shown at right. Some copy-protected music CDs are not playable.



How to hold a disc

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

Disc cleaning

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

Do not attach any seals or labels to your discs.

Do not write on the disc label with a ballpoint pen or other hard-point pens.



Do not use irregularly shaped discs.



Notes on CD-Rs/RWs

- You may have trouble playing back some CD-RW discs recorded using CD recorders (CD-RW drives), either due to their recording characteristics or dirt, fingerprints, scratches, etc. on the disc surface.
- CD-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/Ws cannot be played back successfully due to incompatibility among writing software, a CD recorder (CD-RW drive) and the discs.
- This player cannot play the CD-RW discs if the session is not closed.
- This player cannot play the CD-RW discs which contain other than CD-DA or MP3/WMA data (Video CD, etc.).
- Be sure to observe the instructions of the CD-RW disc for handling it.

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 mode CD, CD Extra is not supported.

Compression formats

(Recommendation: *Points to remember when making MP3/WMA 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
- Windows Media Audio Ver. 2, 8**
 Bit rate: 64 k – 192 kbps
 VBR: No
 Sampling frequency: 32, 44.1, 48 kHz

Notes on MP3/WMA

Notes on MP3/WMA

Note: MP3/WMA encoding and 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 protection on the WMA file to enable this unit to play back.

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

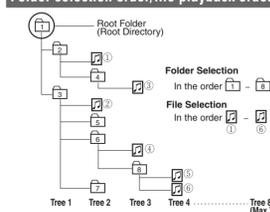
Displayable characters

- 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.

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 (*).

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.)

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.

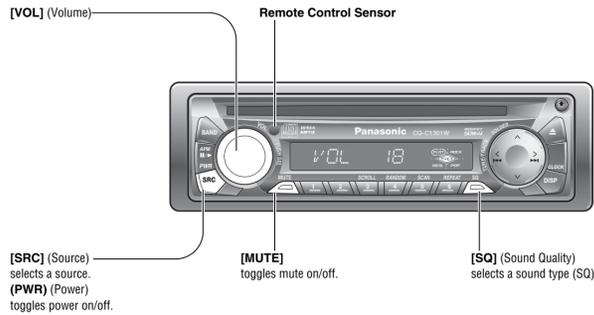
No warranty

Above description complies with our investigations as of December 2004. It has no warranty for reproducibility and displayability of MP3/WMA.

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

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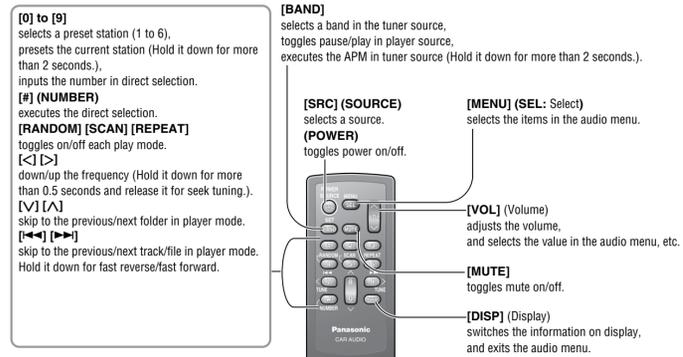
Main Unit



- 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.

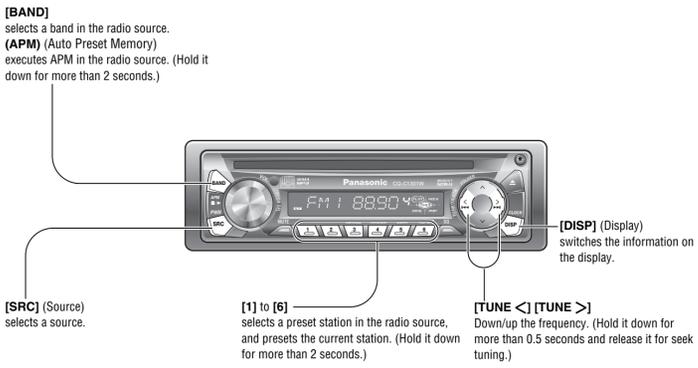
Remote Control Unit

Note: This instruction manual explains operations for use with the buttons on the main unit. (Different operations excluded)



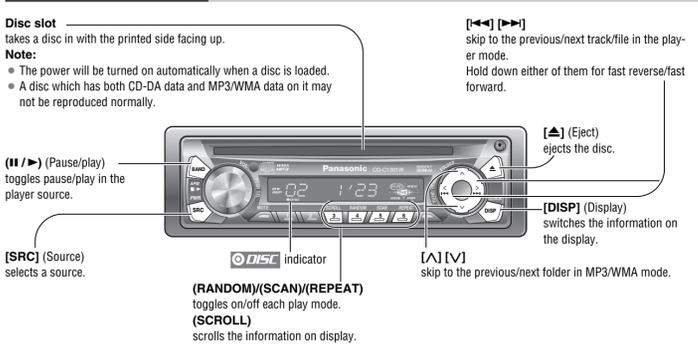
- Direct Access**
A track (CD mode) and file/folder (MP3/WMA mode) can be directly selected.
Example: Track number 5
 - Press [#] (NUMBER).
 - Press [5].
 - Press [BAND] (SET).**Notes:**
 - To suspend direct selection, press [DISP].
 - For folder selection, enter a number after pressing [#] (NUMBER) twice.
 - If there is no playable file in the selected folder, the first file or folder on the disc is selected.
- Functions Only on Main Unit**
The following functions are not available on remote control unit.
 - Demonstration
 - SQ selection
 - Scroll
 - Disc eject
- Battery Replacement**
 - Remove the battery holder with the remote control unit placed on a flat surface.
 - Stick your thumbnail into the groove, and push the holder in the direction of the arrow at the same time.
 - Pull it out in the direction of the arrow using a tough pointed object.
 - Put a battery in the case with (+) side facing up.
 - Put the case back.**Warning**
 - Keep batteries away from children to avoid the risk of accidents. If an infant ingests a battery, please seek immediate medical attention.

Radio (FM/AM)



- [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.
- [1] to [6]** selects a preset station in the radio source, and presets the current station. (Hold it down for more than 2 seconds.)
- [TUNE <] [TUNE >]** Down/up the frequency. (Hold it down for more than 0.5 seconds and release it for seek tuning.)
- [DISP] (Display)** switches the information on the display.

Disc Player



- Disc slot** takes a disc in with the printed side facing up.
Note:
 - The power will be turned on automatically when a disc is loaded.
 - A disc which has both CD-DA data and MP3/WMA data on it may not be reproduced normally.
- [BAND]** selects a band in the tuner source, toggles pause/play in player source, executes the APM in tuner source (Hold it down for more than 2 seconds.)
- [SRC] (Source)** selects a source.
- [MENU] (SEL)** selects the items in the audio menu.
- [VOL] (Volume)** adjusts the volume, and selects the value in the audio menu, etc.
- [MUTE]** toggles mute on/off.
- [DISP] (Display)** switches the information on display, and exits the audio menu.
- [▲] (Eject)** ejects the disc.
- [DISP] (Display)** switches the information on the display.
- [▲] [V]** skip to the previous/next folder in MP3/WMA mode.
- (RANDOM)/(SCAN)/(REPEAT)** toggles on/off each play mode. (SCROLL) scrolls the information on display.

Caution

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

- Operation Flow**
 - Press [SRC] to select the Disc Player source.
 - Select a desired portion.
- Track/file selection**
Press [◀] / [▶].
Note: To perform fast forward/reverse, hold down either of them.
Disc Player (CD-DA disc): Previous/next track
Disc Player (MP3/WMA disc): Previous/next file
- Folder selection (MP3/WMA)**
Press [V] / [Λ].
- Pause**
Press [BAND] (II / ▶).
Press again to cancel.

- Radio Source Display**
lights while receiving an FM stereo signal
Band Frequency Preset Number
FM 1 88.90 4
[DISP] (Display) switches the information on the display.
- Display change**
Press [DISP] to change the display.
Radio mode display (Default) FM 1 88.90 4
Clock display FM 1 12:35 4

- Manual station preset**
 - Tune into a station.
 - Hold down one of the preset buttons from [1] to [6] for more than 2 seconds.
- Auto Preset Memory (APM)**
With this operation, stations with good receiving conditions can be automatically stored in the preset memory.
 - Select a band.
 - Hold down [BAND] (APM) for more than 2 seconds.
- 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.

- CD-DA mode display**
Track number Play time
02 1:23
Play Mode indicators
MP3/WMA mode display
lights when folder random/repeat/scan is on.
Folder number File number
002-001
Play Mode indicators
- Display change**
Press [DISP] to change.
Disc Player (CD-DA disc) Disc Player (MP3/WMA disc):
Normal Normal
Disc title Track title Folder name/Album *
THE BEST LOVE ME THE BEST
Clock File name/Title, artist *
CJ 8:30 MP3 8:30
*ID3/WMA Tag On/Off
Hold down [3] for more than 2 seconds.
album title and song title/artist name are displayed.
TAG ON (Default)
TAG OFF (Default)
folder name/file name are displayed.
- Note:**
 - 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 random play (MP3/WMA)**
All the available files in current folder are played in a random sequence.
Hold down [4] (RANDOM) for more than 2 seconds.
Hold down again to cancel.
- Repeat play**
The current track/file is repeated.
Press [6] (REPEAT).
Press again to cancel.
- Folder repeat play (MP3/WMA)**
The current folder is repeated.
Hold down [6] (REPEAT) for more than 2 seconds.
Hold down again to cancel.
- Scan play**
The first 10 seconds of each track/file is played in sequence.
Press [5] (SCAN).
Press again to cancel.
- Folder scan play (MP3/WMA)**
From the next folder, the first 10 seconds of the first file in each folder is played in sequence.
Hold down [5] (SCAN) for more than 2 seconds.
Hold down again to cancel.

Audio Settings



- [VOL] (Volume)** 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 7 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.
 - Volume (Setting Range: 0 to 18, 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))
- 3** Turn [VOL] clockwise or counterclockwise to adjust.
 - Volume: ①: Up, ②: Down
 - Bass: ①: Increased, ②: Decreased
 - TREBLE: ①: Increased, ②: Decreased
 - BALANCE: ①: Right enhanced, ②: Left enhanced
 - FADER: ①: Front enhanced, ②: Rear enhanced
- Note:** If the fader is set to front, the pre-amp. output (rear) is decreased.

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.

Trouble	Check point	Trouble	Check point
Common		Radio	
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 Service Center.) Ask a professional for fuse replacement. Be sure to use the same rated fuse. 	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.
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. 	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.
No sound from left, right, front, or rear speaker	<ul style="list-style-type: none"> Make sure that grounding is established properly. Adjust the balance and fader. Verify the wiring. 	Error Display Messages	
Left and right sounds are reversed	<ul style="list-style-type: none"> Connect the speaker lead correctly. 	-E1-	(The disc is ejected automatically.) The disc is dirty, or is upside down. Check the disc.
Disc Player		-E2-	(The disc is ejected automatically.) The disc has scratches. Check the disc.
No sound, or disc is automatically ejected	<ul style="list-style-type: none"> Load the disc correctly. Clean the disc. 	-E3-	No operation by some cause. If normal operation is not restored, consult your dealer or the nearest Service Center to ask for repairs.
Sound skip, poor sound quality	<ul style="list-style-type: none"> Clean the disc. 	-E4-	Cannot read the file. Check the file.
Sound skip due to vibration	<ul style="list-style-type: none"> The maximum permissible tilt angle is 30°. Secure the unit. 	-E5-	A WMA file can be copyrighted. The file protected by copyright is not playable.
Disc unejectable	<ul style="list-style-type: none"> Press [▲]. If the disc is still not ejected, contact the nearest Panasonic Service Center. 		