Specifications

ieneral

FM Stereo Radio DC 12 V (11 V – 16 V DC), test voltage Power supply Frequency range 14 4 V neg Jsable sensitivit : Less than 2.2 A (CD mode; 0.5 W x 4 Current consumption 50 dB aujeting sensitivity : 15.2 dBf (75 Ω) requency response :50 W x 4 channels (at 1 kHz), volume Maximum power output Alternate channel selectivity :75 dB Stereo separation :35 dB (1 kHz) : Bass: ±12 dB at 100 Hz, Tone adjustment range Image rejection ratio :55 dB reble: ±12 dB at 10 kH IF rejection ratio Speaker impedance $:4 - 8 \Omega$ Signal/noise ratio :62 dB Pre-amp output voltage :2 V (CD mode, 1 kHz, 0 dB) AM Radio Pre-amp output impedance : 200 Ω Dimensions (W x H x D) :178 x 50 x 158 mm " x 1 15/16" x 6 1/4" Frequency range :530 kHz – 1 710 kHz Weight :1.45 kg {3 lbs. 3 oz} :28 dB/µV (S/N 20 dB) Usable sensitivity Above specifications comply with EIA standards. Front ALIX input :10 kΩ Input impedance Power Output Allowable external input :2.0 V 16 W RMS x 4 Channels at 4 Ω and $\leq 1\%$: 3.5 mm ø stereo mini-pin Connector THD+N Audio input sensitivity :200 mVrms Signal to Noise Ratio **Disc Player** 85 dBA (reference: 1 W into 4 Ω) Sampling frequency : 8 times oversampling Notes DA converte 1 bit DAC System • Specifications and design are subject to modification without Pick-up type : Astigma 3-beam notice due to improvement miconductor lase Light source Some figures and illustrations in this manual may be different Wave length 790 nm from your product 20 Hz – 20 kHz (±1 dB) requency response Signal to noise ratio :0.01 % (1 kHz) Fotal harmonic distortion Wow and flutter : Below measurable limits :75 dB Channel separation

Accessories

Instruction kit		Installation kit (ZZBISC1101U-J)			-	Mounting Collar		
- Anno -	Operating Instructions (English: YFM264C195CA)		Lock Cancel Plate	e	and the second	(FX0214C384ZB)	Q'ty: 1	
	(Français: YFM264C196CA) (Español: YFM264C197CA)	<i>\$</i>		Q'ty: 2		Trim Plate (YFC054C079YA)		
	Q'ty: 1 set	5	Mounting Bolt			(110001001011)	Q'ty: 1	
	Installation Instructions (YFM294C165CA)	- SPI		Q'ty: 1		Power Connector		
	Q'ty: 1	()	Rubber Bushing			(YEAJ02874)	Q'ty: 1	
				Q'ty: 1				

Notes

• 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 shipmen

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Systems Company of America. **Division of Panasonic** Corporation of North America 776 Highway 74 South, Peachtree

City, GA 30269

YFM264C195CA PTW0509-0 Printed in China

:87.9 MHz - 107.9 MHz

30 Hz - 15 kHz (±3 dB)

11.0 dBf (75 Ω)

100 dB

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.

Maintenance / Fuse

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.

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.

U.S.A.

8855

Cleaning the Unit

Customer Services Directory (United States and Puerto Rico)

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/suppor 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, For hearing or speech impaired TTY users, TTY : 1-877-833-

Accessory Purchases:

(United States and Puerto Rico) 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



MP3 CD Player/Receiver Model: CQ-CP134AU

Operating Instructions



MP3

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

U.S.A. Limited Warranty (For USA and Puerto Rico Only)

SONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA 776 HIGHWAY 74 SOUTH, PEACHTREE CITY, GA 30269

PANASONIC AUTO PRODUCTS

LIMITED WARRANTY

LIMITED WARRANTY COVERAGE If your product does not work properly because of defects in materials

and workmanship. Panasonic Automotive Systems Company of America (referred to as "the varrantor") 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.

Galegories	Parts	Labor
udio Components (except items listed below)	One (1) Year	One (1) Year
peakers	One (1) Year	Not Applicable

predictive Car Audio Speakers under warrant ust be exchanged at the place of purchase. ontact your Dealer for details. ssories (in exchange for defective items)

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 serviced in the United States or Puerto Rico. This warranty is extended only to the original pur chaser 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 and Puerto Rico, call -800-211-PANA (7262) or visit Panasonic Web Site: http://www.panasonic.com

LIMITED WARRANTY LIMITS AND EXCLUSIONS

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This warranty ONLY COVERS 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 shipment, failures which are caused by products not supplied by the warrantor, failures which result from accident, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty instal-lation, set-up adjustment, maladjustment of consumer control, improper maintenance, improper antenna, inadequate signal reception or pickup, power line surge, improper voltage supply, lightning, modification, com-mercial use (such as use in hotels, offices, restaurants, or other business uses) or rental use of the product, or service by anyone other than the echnician from Factory Servicenter or other authorized service centers, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARBANTY COVERAGE". THE WARBANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT. OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time

cost of having someone remove or re-install an installed unit if applicable, travel to and from the sevicer, and loss of media, data or other mem ory contents. The items listed are not exclusive, but are for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF HE LIMITED WARRANTY

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other
rights which vary from state to state. If a problem with this product
develops during or after the warranty period, you may contact your deal-
er or Servicenter. If the problem is not handled to your satisfaction, then
write to warrantor's Consumer Affairs Department at the addresses of the
warrantor.

PARTS AND SERVICE WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY

Customer's Record

modol			
No.			
Serial			
No.			
Dealer's			
No.			
Code			
No.			
Dealer's			
Address			
Date of			
Dunchase			

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

Warnin result in severe injury or death.

Observe the following warnings when using this

The driver should neither watch the display nor operate

er 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

Do not insert any foreign objects into the slot of this unit.

tery systems, especially a 24 V DC battery system.

 \Box Do not disassemble or modify the unit.

Do not use the unit when it is out of order.

dealer or an authorized Panasonic Serv

Watching the display or operating the system will distract the driv-

This product is designed for operation with a negative grounded

12 V DC battery system. Never operate this product with other bat-

Do not disassemble, modify the unit or attempt to repair the prod-

uct yourself. If the product needs to be repaired, consult your

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

When the fuse blows out, eliminate the cause and have it replaced

Refer fuse replacement to qualified service personnel.

with the fuse prescribed for this unit by a qualified service engi-

neer. Incorrect replacement of the fuse may lead to smoke, fire,

smells), turn it off immediately and consult your dealer.

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

iniury or material damage.

This manual uses pictographs to show you how to use the product

tions. Failure to heed the instructions may result in

Caution

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
- 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 fix-
- ing 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 pos-
- Never install the product in a location where it interferes
- with your field of vision □ Never have the power cord branched to supply other
- equinment with nower After installation and wiring, you should check the nor-
- mal 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 get

ting 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 enaine 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. □ Set the volume level to low enough before the AUX connection is completed.
- Failure to observe this, the loud noise may come out and damage your speakers and your hearing. Direct connection of the speaker/headphone output of an external device without any attenuator may distort sound or damage the connected externa device.
- Observe the following cautions when installing. □ Refer wiring and installation to qualified service per-
- sonnel 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
- □ 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

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.

heat and will result in fire or other damage.

vibrations or is unstable.

Installation Angle

this can lead to an accident or injury.

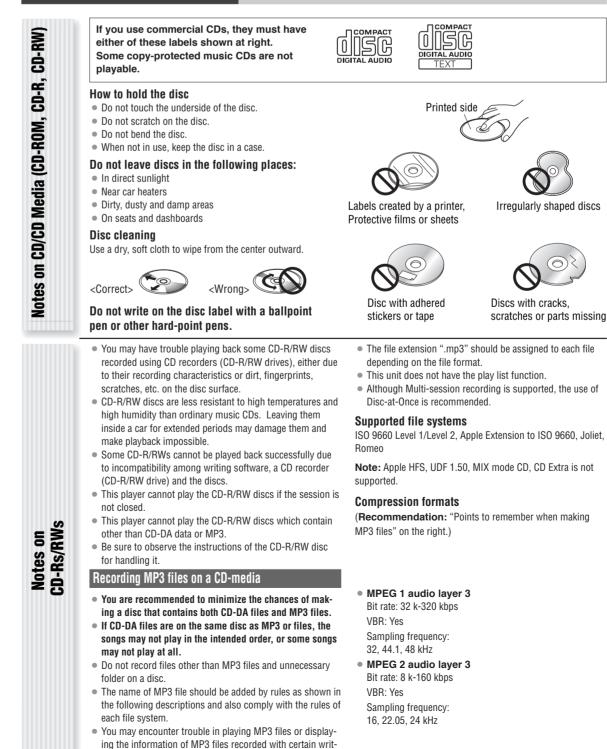
Consult your dealer for further details.

pleted before installation.

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.

Notes on Discs



ing software or CD recorders.

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 soft-
- ware • It is recommended to set the bit rate to "128 kbps or

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
- Disc title
- MP3
- File name
- Displayable length of file name/folder name: within 32
- by half in the number of displayable characters.) • Name files and folders in accordance with the standard of
- ware for details. • ASCII character set and special characters in each lan-
- encoded, the character information may not be displayed
- properly. • Undisplayable characters and symbols will be converted

-2 Folder Selection -4 $- \mathbf{7}^3$ In the order 1 - 8-3 File Selection -**ग** In the order 🎵 🗕 🎵 -5 -6 -8 -7 Tree 1 Tree 2 Tree 3 Maximum number of files/folders

Root Folder (Root Directory

Maximum number of files: 999

- Maximum number of files in one folder: 999 Maximum depth of trees: 8
- Maximum number of folders: 256 (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.

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 2009. It has no warranty for reproducibility and displayability of MP3.

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

more" and "fixed". **A** Caution

- CD-TEXT
- Track title
- Folder name
- Displayable characters
- characters. (Unicoded file and folder names are reduced

MP3 (ID3 tag)

Title name/Artist name

Album name

- each file system. Refer to the instructions of writing soft-
- guage can be displayed.

Notes

- With some software in which MP3 format files have been
- into an asterisk (💥).

- **∕∩** Caution THIS PRODUCT UTILIZES A CLASS I LASER.
- the leads by winding them with vinyl tape or similar protection.

of the unit.

the system while driving.

Use the proper power supply.

Protect the Deck Mechanism

and damage to the product.

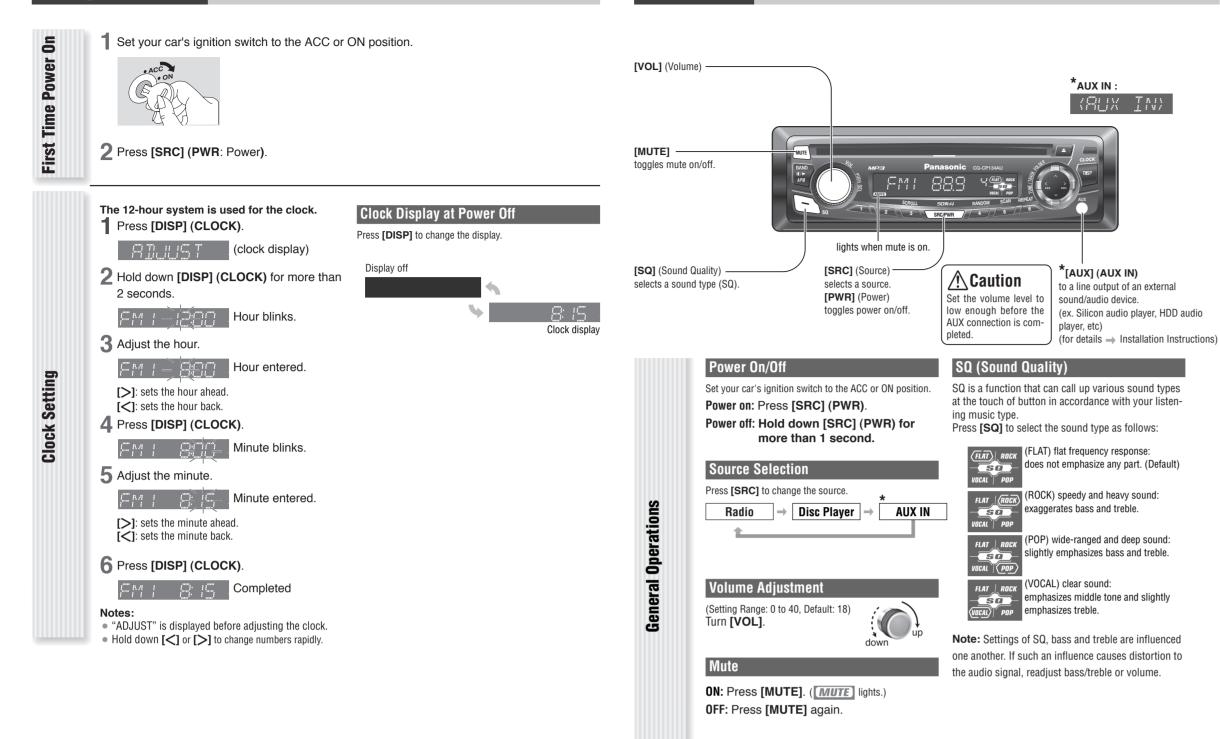
Warning

unit.

This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may

This pictograph intends to alert you to the presence of important operating instructions and installation instrucUse 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-Do not install the product where it is exposed to strong Avoid slanted or strongly curved surfaces for installation. If the installation is not stable, the unit may fall down while driving and The product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°. The user should bear in mind that in some areas there may be restrictions on how and where this unit must be installed. UWear gloves for safety. Make sure that wiring is com- \Box To prevent damage to the unit, do not connect the power connector until the whole wiring is completed Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter) Folder selection order/file playback order Tree 8 (Max.)

Preparation

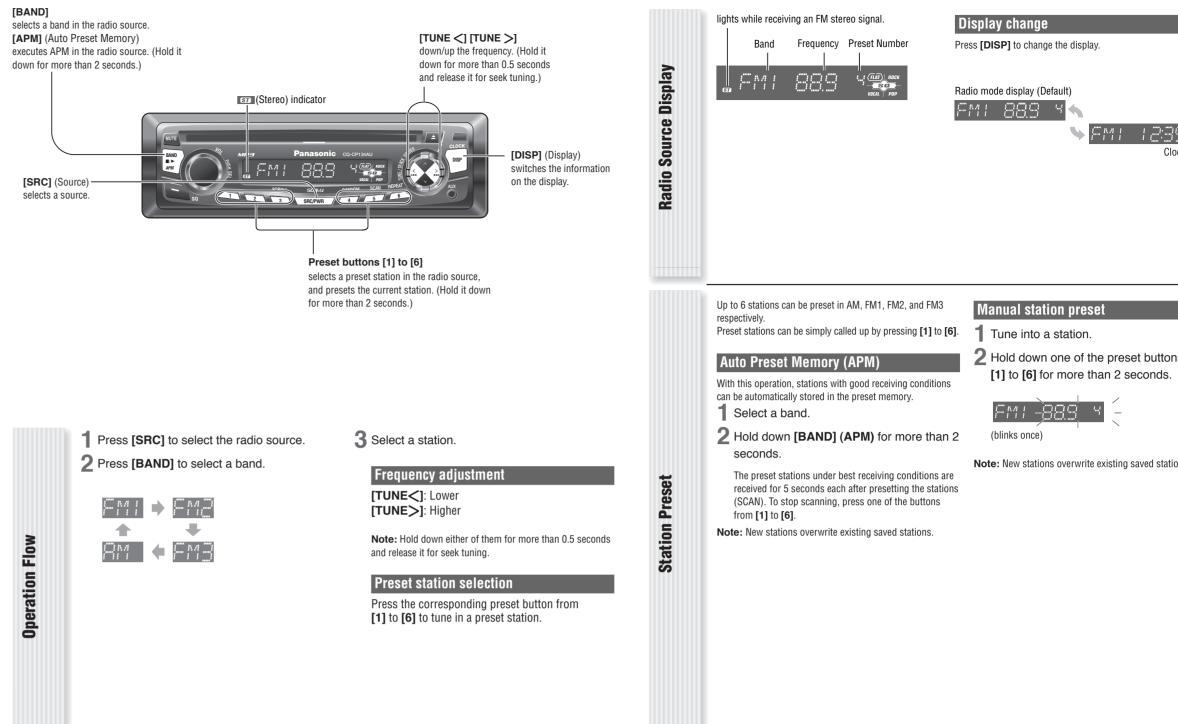


General

Player (Disc Player)

Notes: ● The power a disc is lo ● A disc whi data on it is (II /►) (Paus toggles pause player source	ch has both CD-DA data and MP3 may not be reproduced normally. Se/Play)	switches the information on the display.	ce Display	Random indicator Track number Play time	Display change Press [DISP] to change the display. Disc Player (CD-DA disc): Disc Player (MP3 disc): Disc Player (MP
• Do not • Refer to on MP3	Ition Insert a disc when the OUSC indicator lights. • Do The section of "Notes on Discs" and "Notes		Player Source	•	 *ID3 Tag On/Off Hold down [3] for more than 2 seconds. TRG ON album title and song title/artist name are displayed. TRG OFF (Default) folder name/file name are displayed. For scrolling text, press [3] (SCROLL). "NO TEXT" is displayed when there is no information on the disc.
Operation Flow	 Press [SRC] to select the Disc Player source. Belect 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 disc): Previous/next file	Folder selection (MP3)Disc Player (MP3 disc):Press [\/] / [\].Skip to the previous/next folder.PausePress [BAND] (II / ►).Press again to cancel.	Random, Repeat, Scan	 Random play All the available tracks/files are played in a random sequence. Press [4] (RANDOM). Press again to cancel. Dolder 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. Hold down again to cancel. Decent play The current track/file is repeated. Press [6] (REPEAT). Press again to cancel. 	 Folder repeat play (MP3) 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 tracks/files is played in sequence. Press [5] (SCAN). Press again to cancel. Fond 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. Hold down again to cancel.

Radio (AM/FM)



Audio Settings

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

Ē

Audio



- 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.
- (Setting Range: 0 to 40, Default: 18)
- (Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)

TREBLE 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.

3 Turn [VOL] clockwise or counterclockwise to adjust. VOL 20 1): Up 2): Down BRS+ SdB 1 : Increased 2 : Decreased TRE+ SdB (1) : Increased (2) : Decreased BRL L IS 1 : Right enhanced (2) : Left enhanced FR] F IS 1) : Front enhanced 2 : Rear enhanced

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

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.

Warning

- Do not use the unit in an irregular condition, for example out sound, or with smoke or a foul smell, which can catignition or electric shock. Immediately stop using the use consult your dealer.
- Never try to repair the unit by yourself because it is dated to do so.

Trouble		Check point	Trouble		Check point
Common			Disc Player		
		 Start the engine. (Or turn the ignition switch to the ACC position.) Verify the wiring. (battery lead, power lead, ground lead, etc.) 	No sound, or disc is automatically ejected		 Load the disc correctly. Clean the disc.
No power		 Fuse blown (Contact the nearest Panasonic Servicenter.) Ask a professional for fuse replacement. Be sure to use the same rated fuse. 	Sound skip, poor sound quality		• Clean the disc.
No sound		 Disable the mute function. Verify the wiring. Wait until the dew disappears before 	Sound skip due to vibration		 The maximum permissible tilt an 30°. Secure the unit.
Noise		Make sure that grounding is established properly.	Disc unejectable		 Press [▲]. If the disc is still no contact the nearest Panasonic Servicenter.
No cound from	1		Error Display N	Ne	ssages
No sound from left, right, front, or rear speaker		 Adjust the balance and fader. Verify the wiring. 			(The disc is ejected automatically.)
Left and right sounds are reversed		Connect the speaker lead correctly.	-62-		The disc is dirty, or is upside dow The disc has scratches. • Check the disc.
Radio					No operation by some cause.
Frequent noise		 Tune in to another station of high-intensity waves. Make sure that the antenna mounted 			 If normal operation is not restor sult your dealer or the nearest Servicenter to ask for repairs.
		point is grounded properly.			Cannot read the file Check the file.
Preset data deleted		 The preset memory is cleared to return to the original factory setting when the power connector or battery is discon- nected. 			CHECK LIE IIIE.

) ock display
ns from
ions.
ple, with- ause unit and angerous
angle is
not ejected, C
y.) wn.
tored, con- t