Panasonic®

Operating Instructions

AAC WMA MP3 CD Player/Receive Model: CQ-RX400N/CQ-RX300N

WMA MP3 CD Player/Receive Model: CQ-RX200N/CQ-RX103N/ CQ-RX102N/CQ-RX101N



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

nstruction	struction kit		Installation kit (YEP0FZ5700)	Q'ty
	Operating Instructions (English: YGFM286051) (Deutsch: YGFM286052) (Français: YGFM286053) (Nederlands: YGFM286054) (Svenska: YGFM286055)	1 set	Lock Cancel Plate Mounting Bolt (5 mm φ)	1 se
	(Italiano : YGFM286056) (Español : YGFM286057)			Q'ty
	(Dansk: YGFM286058) (Polski: YGFM286059) (Česky: YGFM286060) (Magyar: YGFM286061)		Mounting Collar (YEFX0217263A)	1
=	CQ-RX400N	1	Trim Plate (YGFC051023)	1
	System Upgrade Guidebook (YGFM262851)		Power Connector (K1HY13YY0002)	1
	Installation Instructions (English, Deutsch, Français, Nederlands: YGFM294417) (Svenska, Italiano, Español, Dansk: YGFM294418) (Polski, Česky, Magyar	1	CO-RX400N CO-RX300N Remote Control Unit (includes a battery) (EUR7641010)	1
	: YGFM294419) PAN EUROPEAN GUARANTEE (Warranty Card)	1	CO-RX400N CO-RX300N Removable Face Plate Case (YGFA134302)	1

- 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

AAC WMA MP3

struction	kit	Q'ty	Installation kit (YEP0FZ	5700) Q'ty
_==	Operating Instructions (English: YGFM286051) (Deutsch: YGFM286052) (Français: YGFM286053) (Nederlands: YGFM286054) (Svenska: YGFM286055)	1 set	Lock Cand	zel Plate Bolt (5 mm φ) 1 se
	(Italiano : YGFM286056) (Español : YGFM286057)			Q't
	(Dansk : YGFM286058) (Polski : YGFM286059) (Česky : YGFM286060)		Mounting (YEFX021726	Collar 1
	(Magyar: YGFM286061) CQ-RX400N	1	Trim Plate (YGFC051023	1
11111111111	System Upgrade Guidebook (YGFM262851)		Power Con (K1HY13YY00	
	Installation Instructions	1	(КІПТІЗТТОС	002)
	(English, Deutsch, Français, Nederlands : YGFM294417) (Svenska, Italiano, Español, Dansk : YGFM294418) (Polski, Česky, Magyar			CQ-RX000N 1 Introl Unit (includes a
	: YGFM294419)			CQ-RX300N 1
	PAN EUROPEAN GUARANTEE (Warranty Card)	1	Removable (YGFA13430)	Face Plate Case

- . To avoid trouble and ensure safety, use the optional Removable Face Plate Case (YGFA134302)

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 instruction given in this manual.

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

Observe the following warnings when using this

The driver should neither watch the display nor operate

Watching the display or operating the system will distract the driver from looking ahead of the vehicle and can cause accidents

Ilways stop the vehicle in a safe location and use the parking

JUse the proper power supply.

This product is designed for operation with a negative grounder 12 V DC battery system. Never operate this product with other

Keep batteries and insulation film out of reach of infants

o not insert any foreign objects into the slot of this unit

f the remote control unit lies about, it could fall on the floor wh

driving, get wedged under the brake pedal, and lead to a traffic

Refer fuse replacement to qualified service personne

A Warning

the system while driving.

please seek immediate medical atter Protect the Deck Mechanism.

□Do not disassemble or modify the unit.

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

This pictograph intenus to are you to the property of important operating instructions and installation instructions. Failure to heed the instructions may result in injury or material damage.

■ This manual uses nictographs to show you how to use the product

safely and to alert you to potential dangers resulting from impro-connections and operations. The meanings of the pictographs are explained below. It is important that you fully understand th

meanings of the pictographs in order to use this manual and the

Observe the following warnings when installing □Disconnect the lead from the negative (-) battery

terminal before installation

specific procedures of battery terminal disconnection.
FAILURE TO FOLLOW THE PROCEDURE MAY LEAD TO THE
UNINTENDED ACTIVATION OF THE ELECTRICAL SAFETY SYSTEN
RESULTING IN DAMAGE TO THE VEHICLE AND PERSONAL INJURY OR DEATH

□Never use safety-related components for installation, grounding, and other such functions. suspension, steering wheel, pedals, airbag, etc.) for wiring or Installing the product on the air bag cover or in a locati

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 wir the product, first check where the wire harness, gasoline tank,

and electric wiring are located. Then open the hole from outside 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.

□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

Label Indications and Their Locations

LASER RADIATION WHEN OPEN. DO NOT STARE INTO

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

and dangerous voltages.

Caution Label TION - LASER RA-Do not take apart this unit or attempt to make any changes yourself.
This unit is a very intricate device that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its DVARSEL – LASER DSENDES NÅR DER R ÅBNET. UNDGÅ DSÆTTELSE FOR rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays

CLASS 1 LASER PRODUCT

(Bottom of the unit)

Deck Ass'y (in the unit, upper side)

Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)

accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product. posing of this product correctly will help to save valuable resources and prevent any potential negative effects on human Ith and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority

for further details of your nearest designated collection point ties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

or business users in the European Union For ausiness users in the European Union if you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information. Information on Disposal in other Countries outside the European Union

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Features

CQ-RX400N CQ-RX300N CQ-RX200N You have 6 preset modes (FLAT, ROCK, POP, VOCAL, JAZZ, CLUB). You

mize your settings for these and save them for instant recal SO3 (3-Band Sound Quality) and level are adjustable in each of 3 hands. This let

you fine-tune sound quality for each genre to suit car-interior act and your personal preferences. (→ "Sound Control")

CQ-RX400N CQ-RX300N

USB extension cable (USB 2.0, not included), you can enjoy MP3/ MA/AAC files stored on the USB memory (not included) in your car. CQ-RX400N

ng iPod series to USB connector via a USB extension cable for iPod (USB 2.0, not included), you can enjoy music files stored on the iPod series in your car.

AUX (AUX1) Input Terminal

users to connect up to 4 optional devices shown below.

Wide Array of Components for System Upgrade CQ-RX400N CQ-RX300N CQ-RX200N

tain availability of wide range of

The optional adaptor (Direct Cable for iPod: CA-DC300N) allows you to connect the optional iPod series. iPod is a trademark of Apple Inc., registered in the U.S. and other

 CD Changer The optional adaptor (Conversion Cable for DVD/CD Changer

CA-CC30N) allows you to connect the optional Panasonic CD hanger unit (CX-DP880N).

Ising the optional Bluetooth Unit (CY-BT200N) and a Bluetooth device enables hands-free telephony and Bluetooth Audio listening

• If CD-DA files are on the same disc as MP3, WMA or AAC

files or the songs may not play in the intended order, or

rules as shown in the following descriptions and also comply

· Although Multi-session recording is supported, the use of

with the rules of each file system.

Disc-at-Once is recommended

USB-device cq-RX400N CQ-RX300N

Supported file systems

Note: This unit does not support CY-RT100N Bluetooth®
The Bluetooth word mark and logo are owned by the Bluetooth SIG,

Inc. and any use of such marks by Matsushita Electric Industrial Co Ltd. is under license. Other trademarks and trade name are those of

Before Reading These Instructions

Panasonic welcomes you to our constantly growing family of electronic products owners

CQ-RX400N CQ-RX300N CQ-RX200N

of 2 books. One is "Operating Instructions" describing the operations of the main unit. The other is "System Upgrade Guidebook" describing the optional devices such as CD change

this manual represent model CC						istrations tirroughout
Models Features		CQ-RX300N	CQ-RX200N	CQ-RX103N	CQ-RX102N	CQ-RX101N
Removable Face Plate Case	Included	Included	Not included	Not included	Not included	Not included
Remote Control Unit	Included	Included	Not included	Not included	Not included	Not included
System Upgrade Guidebook	Included	Included	Included	Not included	Not included	Not included
System-up Connector	Supported	Supported	Supported	Not Supported	Not Supported	Not Supported
Preamp Out Connector	2 (Front/Rear)	2 (Front/Rear)	1 (Rear)	1 (Rear)	1 (Rear)	1 (Rear)
USB Connector	Supported (USB iPod)	Supported	Not Supported	Not Supported	Not Supported	Not Supported
AAC playback	Supported	Supported	Not Supported	Not Supported	Not Supported	Not Supported

Maintenance/Fuse

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

If the fuse blows out, consult your dealer, or your nearest authorized Panasonic Service Century

▲ Warning

• Use fuses of the same specified rating (15 A). Using substitutes or fuses with higher ratings, or connecting the unit direct transfer of the same specified rating (15 A). Using substitutes or fuses with higher ratings, or connecting the unit direct transfer of the same specified rating (15 A).

Anti-Theft System

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

Do not touch the contacts on the face plate and the main

unit, since this may result in poor electrical contact.

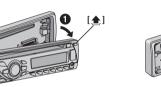
• If dirt or other foreign substances get on the contacts, wipe them off with a clean and dry cloth.

Turn off the power. Press [♠]. The face plate will open.

3 Pull it out toward you.

CQ-RX400N CQ-RX300N

⚠ Put the face plate in the case.



below. Using these discs may damage the discs or cause the unit to malfunction.

Notes on Discs

How to hold the disc

· Do not bend the disc

Do not scratch on the disc.
 Do not scratch on the disc.

. When not in use, keep disc in the case.

Do not use discs that fit any of the descriptions given

Printed side

Failure to observe this may cause the discs to be **Q Q** Do not leave discs in the following places Partly or wholly transparent disc

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

Some copy-protected music CDs are not playable

 Near car heaters . Dirty, dusty and damp areas

Disc Insert

The surfaces of new discs tend to be slippery. Therefore

when using such a disc for the first time, it may not load

a time like this, insert the disc into the unit as far as it will o

When inserting a disc into or ejecting and removing it from the unit, insert it straight in or eject and remove it straight out in parallel with the unit.

Observe, the disc may be scratched or marked in the

When inserting a disc. do not put one disc on anothe

Wholly transparent disc Partly transparent disc Wholly semi-transparent disc may not be played back. · Discs with adhered labels, etc. on them





Protective films or sheets Discs ac

Shoddily made discs

0

Troubleshooting

below because those are too dangerous for users to

Verify the wiring, (battery lead, power)

Fuse blown (Contact the nearest Panasonic

Be sure to use the same rated fuse.

Wait until the dew disappears before

Make sure that grounding is estal

lead, ground lead, etc.)

Disable the mute function

Verify the wiring.

No sound

No sound from

or rear speaker

Left and right

Disc Player

sound quality

No sound, or disc • Load the disc correct

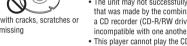
Disc not ejectable contact the nearest Panasonic Service

Sound skip, poor • Clean the disc

sounds are

If You Suspect Something Wrong





Be sure to observe the handling instructions of CD-R/RW

This player cannot play CD-B/BW discs which contain

Specifications

Power output

Tone/SQ adjustment range :SQ Low/Bass: ±12 dB (at 60 Hz, 80 Hz, 100 Hz, 200 Hz) SQ Mid: ±12 dB (at 500 Hz, 1 kHz, 2 kHz, 3 kHz) SQ High/Treble: ±12 dB (at 10 kHz, 12 kHz, 15 kHz, 18 kHz) :4 + 8 Q :2.0 V (CD mode, 1 kHz, 0 dB) :200 Q

USB Connector CQ-RX400N CQ-RX300N aximum Supply Current :500 mA

nector :3.5 mm φ Stereo mini-pir ions (W x H x D) :178 x 50 x 160 mm :1.2 kg

20 Hz – 20 kHz (±1 dB) 96 dB Signal to noise ratio 0.01 % (1 kHz)

The optional remote control is available from your local dealer. (CA-RC80N)

Direct Sales at Panasonic UK Order accessories and consumable items for your product with ease and **Sales and Support Information** fidence by phoning our Customer Care Centre Monday - Thursday For UK and Ireland customers only. 9:00am - 5:30pm, Friday 9:30am - 5:30pm. (Excluding public holidays) Or go on line through our Internet Accessory ordering application at

Customer Care Centre Most major credit and debit cards accepted. For customers within the UK: 0844 844 3852
 For customers within the Republic of Ireland: 01 289 8333
 Visit our website for product information

Matsushita Electric Industrial Co., Ltd.

• E-mail: customer.care@panasonic.co.uk

YGFM286051A FT1007-1117

Authorized Representative [Requirements of the EMC directive]: Panasonic Testing Centre Winsbergring 15, 22525 Hamburg, F.R. Germany

AM (MW) Radio

:531 kHz – 1 602 kHz :28 dB/µV (S/N 20 dB)

Remote Control Unit for CQ-RX200N/CQ-RX103N/CQ-RX102N/

Also available through our Internet is direct shopping for a wide range of

finished products, so take a browse on our website for further details.

:32 dB/uV (S/N 20 dB)

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.

-Tune Track selection

product could cause an accident or fire.

parts such as seat rails. Do not scratch, pull, bend or twist the eads by winding them with vinyl tane or similar protection.

lation may lead to an accident, a malfunction or fire. □Do not block the air vent or the cooling plate of the unit.

⚠ Caution Observe the following cautions when using this

ditions while driving. This unit is designed for use exclusively in automobiles

engine turned off. engine turned off will drain the battery.

Do not use the product where it is exposed to water,

smoke, fire, or other damage to the unit. Make especially sure t he unit does not get wet in car washes or on rainy days

your speakers and your hearing. Direct connection of the speake neadphone output of an external device without any attenuator may distort sound or damage the connected external device.

■Refer wiring and installation to qualified service stallation of this unit requires special skills and experience. For

leads. Do not run them near heat sources or place heavy objects

Use the designated parts and tools for installation. Jse the supplied or designated parts and appropriate tools to nstall the product. The use of parts other than those supplied

The sound volume at an appropriate level.

Do not operate the unit for a prolonged period with the

Do not expose the unit to direct sunlight or excessive Otherwise these will raise the interior temperature of the unit, and it may lead to smoke, fire, or other damage to the unit.

moisture, or dust.
Exposure of the unit to water, moisture, or dust may lead to

connection is completed.

Failure to observe this, the loud noise may come out and damage

□Follow the instructions to install and wire the product.

or designated may result in internal damage to the unit. Faulty

Keep the volume level low enough to be aware of road and traffi

rating the audio system for a long period of time with the

□Set the volume level to low enough before the AUX

Blocking these parts will cause the inte and will result in fire or other damage.

Observe the following cautions when installing.

CQ-RX400N CQ-RX300N

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 on them. If leads must be run over sharp metal edges, protect the

Do not connect a USB device directly to this unit. If the USB devic is connected directly to this unit and an accident occurs, or if the brakes are applied suddenly, the driver or passenger may bump into the USB device and may get injured. Position the USB device and USB extension cable so that they do not obstruct your driving. Do not connect any USB device other than USB memory, a USB audio player or iPod series (CQ-RX400N). Do not connect mu

vibrations or is unstable.

□Installation Angle

completed before installation. ☐ To prevent damage to the unit, do not connect the nowe

Observe the following cautions when handling th hattery for the remote control unit

• Match the polarity of the battery with the (+) and (-) marks in the e a dead hattery as soon as nossible 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.

• If any part of your body or clothing comes into contact with battery

device. CO-RX400N CO-RX300N

CO-RX500N to this unit. If the USB device directly to this unit. If the USB device directly to this unit.

Audio) are the compression formats of digital audio. The forme is developed by MPEG (Motion Picture Experts Group), and the latter is developed by Microsoft Corporation. Using thes ssion formats, you can record the contents of abou ecorded on a 650 MB CD-R or CD-RW at a fixed bit rate of *MPEG Layer-3 audio coding technology licensed from

Note: MP3/WMA/AAC encoding and writing software is not

□Insulate all exposed wires to prevent short circuiting.

not end up at a convenient angle, but not more than 30" ne user should bear in mind that in some areas there may be strictions on how and where this unit must be installed. Con-□Wear gloves for safety. Make sure that wiring is

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

In case of battery leakage

liquid, wash it with plenty of water. If hattery liquid comes into contact with your eyes, wash them with plenty of water and get immediate medical attention Observe the following cautions when using USB

supplied with this unit. Points to Remember When Making MP3/ WMA/AAC Files

What is MP3/WMA/AAC? P3* (MPEG Audio Layer-3) and WMA (Windows Media

High bit rate and high sampling frequency are recommended

for high quality sounds. Selecting VBR (Variable Bit Rate) is not recommended

The playback sound quality differs depending on the

of your own encoding software and writing software.

may be skipped.

enable this unit to play back.

ecause playing time is not displayed properly and sound

encoding circumstances. For details, refer to the instructions

• It is recommended to set the bit rate to "128 kbps or more"

s recommended to set the bit rate to "64 kbps or more

and "fixed".

• Do not set the copy protect attribute on the WMA file to

It is recommended to set the bit rate to "128 kbps or more"

The formats and extensions for AAC data vary according to the encoder software used.

Notes on MP3/WMA/AAC

AAC files which can be played on this unit have the ".m4a ension and were encoded with Apple iTunes® version The file extension for files encoded with the iTunes Apple Files under copyright protection cannot be played.

Notes for AAC playback is only for the model CQ-RX400N/ Never assign the ".mp3", ".wma" or ".m4a" file name extension to a file that is not in the MP3

> nes is a trademark of Apple Inc., registered in the U.S. and other countries/regions

dows logo are trademarks, o gistered trademarks of Microsoft orporation in the United States or other countries/region AAC is an abbreviation for "Advanced Audio Coding" It has been defined as a standard for audio compression technology using MPEG 2 and MPEG 4.

less Encoder is ".m4a", but such files cannot be player riangle Caution

WMA/AAC format. This may not only produce noise from the speaker damage, but also damage



Displayed items • MP3 (ID3 tag) CD-TEXT

 AAC (Song information) Album name Title name/artist name

Displayable characters Displayable length of file name/folder name: within 32 characters. (Unicoded file and folder names are reduced by half in the number of displayable characters. Name files and folders in accordance with the standard of

ich file system. Refer to the instructions of writing softwar

for details.

• ASCII character set and special characters in each language can be displayed. Some Cyrillic characters in the Unicode can be displayed. ASCII character set A to Z, a to z, digits 0 to 9, and the following symbols: (space)!"#\$%&'() *+,-./:;<=>?@[\]^_`{|

With some software in which MP3/WMA/AAC format files

Special Characters À Á Â Ã Å à à â â ã å) 0 0 0 0 0 0 0 0 0 0 0

Compression formats

have been encoded, the character information may not be displayed properly. Undisplayable characters and symbols will be converted into an asterisk (💥). ed that the length of the file name is less

to Remember When Making MP3/WMA/AAC Files" →Left) CQ-RX400N CQ-RX300N Compression method VBR Sampling frequency MPEG 1 Audio Laver-3 (MP3 32 k - 320 kbps Yes 32, 44.1, 48 kHz MPEG 2 Audio Laver-3 (MP3) 8 k - 160 kbps Yes 16, 22.05, 24 kHz MPEG 2.5 Audio Laver-3 (MP3) 8 k – 160 kbps Yes 8, 11.025, 12 kHz Windows Media Audio Ver. 2-9* 64 k – 160 kbps Yes 32, 44.1, 48 kHz 16 k – 320 kbps Yes 8, 11.025, 12, 16, 22.05, 24, 32

* WMA 9 Professional/LossLess/Voice are not supported

VBR Sampling frequency 32 k – 320 kbps Yes 32, 44.1, 48 kHz

some songs may not play at all.

• When storing MP3 data, WMA data or AAC data on the * WMA 9 Professional/LossLess/Voice are not supported unnecessary folder on a disc.
• The name of an MP3/WMA/AAC file should be added by

 The file extension ".mp3", ".wma" or ".m4a" should be ssigned to each file depending on the file forma CD-media: 999 USB device: 65 535 may encounter trouble in playing MP3/WMA/AAC files of Maximum number of files in one folder

■CD-media
ISO 9660 Level 1/Level 2, Apple Extension to ISO 9660, Joliet, • Maximum number of files: 999 • Maximum number of files in one folder: 999 . Maximum number of folders: 256 (Root folder is included. Note: Apple HFS, UDF 1.50, Mix CD and CD Extra are not

Inis unit counts the number of folders irrespective of the presence or absence of an MP3/WMA/AAC file.
 If the selected folder does not contain any MP3/WMA/AAC files, the nearest MP3/WMA/AAC files in the order of playback will be played.
 Playback order may be different from other MP3/WMA/AAC

n the connected IISB memory the order in which the files are played back may differ to the order in which the files were stored.

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

■CD-media

Root folder

(Root Directory)

Tree 1 Tree 2 Tree 3 Tree 4

1 Slide the left side of the face plate in place.

Press the right end of face plate until a

64 k - 160 kbps Yes 32, 44.1, 48 kHz Windows Media Audio Ver. 2-9

Folder Selection Order/File Playback Order Maximum number of files/folders

CQ-RX400N CQ-RX300N

USB device: 999 CD-media: 256 (Boot folder is included.

USB-device cq-rx400N cq-rx300N You can shorten the duration between data read and playback by decreasing the quantity of files or folders, or the depth of the hierarchy. This unit counts the number of folders irrespective of the

players even if the same disc is used. OOT" appears when displaying the root folder name. CQ-RX400N CQ-RX300N

File Selection Tree 8 (Max.)

Folder Selection

In the order 🕤 – 🕞

Folder Selection In the order 1 - 8

Tree 8 (Max.

File Selection

No warranty Above description complies with our investigations as of September 2007. It has no warranty for reproducibility and displayability of MP3/WMA/AAC

You may have trouble playing back some CD-R/RW or recorded using CD recorders (CD-R/RW drives), either due to their recording characteristics or dirt, fingerprints scratches, etc. on the disc surface. · CD-R/RW discs are less resistant to high temperatures

playback impossible.

The unit may not successfully playback a CD-R/RW, that was made by the combination of writing software, a CD recorder (CD-R/RW drive) and a disc if they are incomposition with our people. incompatible with one another.

• This player cannot play the CD-R/RW discs if the session is

▲ Warning

If You Suspect Something Wrong
Check and take steps as described below.
If the described suggestions do not solve the problem, it is
recommended to take the unit to your nearest authorized Panasonic
Service Centre. The product should be serviced only by qualified
personnel. 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 those other than
Indicated by italic letters in "Possible Solution" described
below because those are too dangerous for users to consult your dealer.

Trouble Possible Solution Trouble Possible Solution Radio requent noise Make sure that the antenna mounted point is grounded properly. The preset memory is cleared to return to the original factory setting when

Check the disc. operation by some cause -- 5 3 -ervice Centre to ask for repai -- F-------

A WMA/AAC file can be convrighted playable.

• Press [▲]. If the disc is still not ejected,

Oo not use the unit in an irregular condition, for example, without sound, or with smoke or a foul smell, which can cau ignition or electric shock. Immediately stop using the unit and

Error Display Messages (Disc Player)

If normal operation is not restored onsult your dealer or the neares

CQ-RX400N CQ-RX300N CQ-RX200N

Never try to repair the unit by yourself because it is dangerous to do so.

Preparation 1 Set your car's ignition switch to the ACC or ON position. 2 Press [SRC] (PWR: Power). CQ-RX400N CQ-RX300N

GRIX200N age appears for initial 4 Press [VOL] (PUSH SEL: Select) to select DEMO. use.

1 Set your car's ignition switch to the ACC or 5 Turn [VOL] counterclockwise.

1 For using the remote control, press [0] (>).

Press [SRC] (PWR: Power).

TO return to the regular mode, press [DISP]

 When "NO USB" (CQ-RX400N CQ-RX300N) or "NO 3 Hold down [VOL] (PUSH SEL: Select) for

the backside of the remote control ently.

The 24-hour system is used for the clock. Select the radio AM mode. (→ "Radio (AM [LW/MW]/FM)").

AM 540 Press [DISP].

(clock display) 3 Hold down [DISP] for more than

Hour blinks Adjust the hour.

Hour entered [►►I]: sets the hour ahead. [I◄◄]: sets the hour back.

. Aim the remote control at the remote sensor and operate it.

wn/up the frequency (Hold it down for more than

Direct Access

Example: Track number 5

Press [5].

Press [#] (NUMBER).

3 Press [BAND] (SET).

s/next track/file in player mode. Hold

A track (CD mode), file, folder (MP3/WMA/AAC mode) can

For folder selection, enter a number after pressing [#]
 (NUMBER) twice.

wing functions are not available on remote

Functions only on Main unit

vour thumhnail into Stick your thumbnail into the groove, and push the holder in the direction of the arrow, and at the same

Pull it out in the direction

o the previous/next folder in player mode.

[0] to [9]
colorts a preset station (1 to 6),

presets the current station (Hold it do'
2 seconds.),
inputs the number in direct selection.
[#] (NUMBER)
executes the direct selection.
[RANDOM] [SCAN] [REPEAT]

ggles on/off each play mode.

it down for fast reverse/fast forward.

[[44][[44]]

0.5 seconds and release it for seek tuning.

Refer to the sectio

5 Press [DISP].

[►►I]: sets the minute ahead. [I◄■]: sets the minute back. **7** Press [DISP].

Completed

Remote Control Unit CQ-RX400N CQ-RX300N

[BAND] (SET)

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

Minute blinks

Adjust the minute. ET BIS Minute entered

Note: Battery Information: Battery Type: Panasonic lithium battery (CR2025) (Included

Battery Life: Approximately 6 months under normal use (at

in the remote control)

room temperature)

 "NO CT" is displayed before adjusting the cloc When a broadcast of FM Radio Data System is received the clock is adjusted automatically by the Clock Time

Hold down [I◄◄1 or [►►I] to change numbers rapidly

lects a band in the tuner source, toggles pause/play in player source kecutes the APM (Auto Preset Memory) in tuner source Hold it down for more than 2 seconds).

▲ Warning

⚠ Caution

Notes: Battery Information:

-[VOL] (volume) adjusts the volume, and selects the value in the audio menu, etc.

(Only for remote control unit)
Note: You can select mute or attenuation. (→ "Function Settings"

switches the information on display, and exits the audio menu.

ogales mute on/off.

Keep batteries and insulation film out of reach of infants

atteries and insulation film can be ingested, so kee em out of the reach of infants. If an infant ingests

ove and dispose of an old battery immediately.

not disassemble, heat or short a battery. Do not ow a battery into a fire or water. low local regulations when disposing of a battery.

nproper use of batteries may cause overheating, an

Battery Type: Panasonic lithium battery (CR2025) (Included

Battery Life: Approximately 6 months under normal use (at

explosion or ignition, resulting in injury or a fire.

in the remote control)

General

CQ-RX400N CQ-RX300N CQ-RX200N AUX1 Connector (3.5 mm & stereo) the System Upgrade Guidebook or the instruction manua audio player, HDD player, etc.) Note: The connector is labeled "AUX1", but it appears on the lisplay as "<ALIX IN>" (→ Below

"Radio Data System (RDS) in FM Broadcast

∧ Caution Set the volume level to low enough before the AUX

(AUX TN) Power on: Press [SRC1 (PWR) Turn [VOL]. Power off: Hold down [SRC] (PWR) for more than 1 second.

Press [SRC] to change the source. Disc Player System-up

← AUX 1* ← USB Connector Connector Note: Select USB Connector mode to operate the iPod eries connected with USB connector. (-> System Ungrade

→ Disc Player System-up Connector ← AUX 1* IPO3 BLUETOOTH CQ-RX103N CQ-RX102N CQ-RX101N

Radio → Disc Player → AUX*

Radio (AM [LW/MW]/FM)

Radio Source Display Preset Number FM: 9250' [BAND] --a hand in the radio source Frequency Adjustment ■ Press [SRC] to select the radio source. Press [BAND] to select a band. ITUNE ▶▶|1: Highe FM: → FM2 → FM3 → AM Note: Hold down for 0.5 sec. or more and release for station

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

Press [DISP] to change the display. **▶** FM : 9250 4 Ban NO PS P CT (Clock

PS (Programme FM: 92514 Band/frequency F: 15

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]. Manual Station Preset

Auto Preset Memory (APM) Select a band.

Hold down [BAND] (APM) for more than The preset stations under best receiving conditions are received for 5 seconds each after presetting the stations (SCAN). To stop scanning, press one of the buttons from [1] to [6].

Note: New stations overwrite existing saved stations

Hold down one of the preset buttons from [1] to [6] for more than 2 seconds (blinks once)

Tune into a station

Audio Settinas



CQ-RX400N CQ-RX300N CQ-RX200N If the fader is set to front, the pre-amp. output (rear) is

Press [VOL] (PUSH SEL) to open the audio menu.

Note: If no operation takes place for more than 5 seconds in audio setting (2 seconds in the volume adjustment, 10 seconds in the SQ 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. V□L I∃ Volume VOL 18 (Setting Range: 0 to 40, Default: 18) Bass Bass 385+ 5d3 Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB) TREBLE Treble TRE+ 5d3 Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)

<u>50</u>-FLAT 1

- 60HZ ÷6

SQ (Sound Quality) SQ Adjustment ge: -12 dB to +12 dB (by 2 dB)) etting range: Q Low/Bass: ±12 dB (at 60 Hz, 80 Hz, 100 Hz, 200 Hz) SQ Mid: ±12 dB (at 500 Hz, 1 kHz, 2 kHz, 3 kHz) SQ High/Treble: ±12 dB (at 10 kHz, 12 kHz, 15 kHz, 18 kHz)

Balance Balance 38L L 15 Setting Range: 15 levels each, Default: CNT (centre))

FRIER Fader FR3 F 15 s each, Default: CNT (centre))

• The volume can also be adjusted directly using **[VOL]** on the main unit. () "General")

Sound Control

You have 6 preset modes (FLAT, ROCK, POP, VOCAL, JAZZ CLUB). You can customize your settings for these and say

1 Press [VOL] (PUSH SEL: Press [VOL] (PUSH SEL: Select) to open the audio menu. 2 Press [VOL] (PUSH SEL: Select) to select

3 Turn [VOL] to select the sound type as follows.

Press [DISP] to return to the regular mode.

Note: Please refer to "Audio Settings" for the adjustment to

50-FL AT 1

50-P0P 3

JAZZ) jazz-specific deep sound: ound with emphasis on sharpness of high-hat and 50-CLU3 6

You can adjust the characteristics of the currently selected sound type (SQ). (Above)
It is also possible to preset up to 5 different adjusted SQs.

SQ3 (3-Band Sound Quality)

This lets you fine-tune sound quality for each genre to suit car-interior acoustics and your personal proone/SQ adjustable range: -12 dB to +12 dB (by 2 dB)SO Low/Bass: ±12 dB (at 60 Hz, 80 Hz, 100 Hz, 200 Hz)
SO Mid: ±12 dB (at 500 Hz, 1 kHz, 2 kHz, 3 kHz)
SO High/Treble: ±12 dB (at 10 kHz, 12 kHz, 15 kHz, 18 kHz) The bass/treble control level of each frequency is fixed to the frequency that has been selected for SQ.

To return an adjusted SQ to the default setting ①Select the SQ which is to be returned to the default setting (Follow steps 1 to 3 in "SQ Changeover". → Above)
②Hold down [BAND] for 2 sec. or more.

You cannot save any SQ presetting value in [1] button.

 Any SQ adjustments will not change the call up screen names such as ROCK and JAZZ. Do not activate SQ and Bass/Treble at the same time to avoid

1723

Play Mode indicat

MP3/WMA/AAC Mode Display

1002-00 i

SO-ROCK 2

SO-VOERLY

50-JAZZ 5

1 Press [VOL] (PUSH SEL: Select) to open the audio menu.

Press [VOL] (PUSH SEL: Select) to select

center frequency un/down [| 4 1 [| > | 1: Band selection

Display Change

□□ 1/□□ Normal

THE BEST

LOVE ME

(CD-DA disc)

Press [DISP] to change the display.

4 Hold down the numeric button [2] to [6] for

button, and return to the regular mode resumes.

SQ Adjustment will not be saved unless it is preset. Always preset after making adjustments.

50HZ +5 Level

The adjusted SQ is preset in the number of the selected.

Disc Player (MP3/WMA/AAC

Normal

Play time

THE BEST Folder name/

LOVE ME File name,

☐☐☐ Clock

*ID3/WMA/AAC Tag On/Of

Hold down [3] for more

folder name/file name are

no information on the disc

TAG ON

TRG OFF

Radio Data System (RDS) in FM Broadcasting

Useful functions such as AF, TA, PTY are available in the RDS (Radio Data System)-ready areas. Some FM stations are broadcasting added data compatible with RDS. This radio set offers convenient functions using such data. RDS service availability varies with areas. Please understand if RDS service is not available in your area, the following service is

not available, either. The following functions are available when receiving RDS stations. AF (Alternative Frequency) PTY (Programme Type) ctive (AF lights)

 The AF sensitivity can be adjusted. The AF available range can be adjusted. (→ "Function

When executing APM, only RDS stations are selected.

receiving conditions is automatically tuned in to.

the instant of toggling the TA mode on if you are receiving a non-TP station or TP station with poor reception. When executing station search or APM, only TP stations are
 can be received.

Setting to TA on with the unit in another mode, it will

ld down [TA] (AF) for more than 2 seconds to select A

Low level AF operating sensitivity. (Default)

When the AF network of an RDS station is not

AF Level

RF LON

PF2 DN

PE DEE

CQ-RX400N CQ-RX300N CQ-RX200N

CQ-RX103N CQ-RX102N CQ-RX101N

USB Connector CQ-RX400N CQ-RX300N

(AUX IN) (

. US3

NO USB

CQ-RX400N CQ-RX300N CQ-RX200N

When an optional device is connected

 When receiving conditions become bad, a station with better
 The PTY of receiving station appears Programs can be searched for by PTY Note: PTY language can be selected. (→ "Function Settings") Other functions of RDS

CT (Clock Time) PS (Programme Service Name)

EON (Enhanced Other Network)

Emergency Announcement Reception

PI Seek (Programme Identification Seek)

press the same preset number button. The same station wi

Note: For PI Seek, cancel the TA mode first, then execute P

same preset number button again to cancel.

ter reception will be searched for

PI SEEK

automatically switch to radio mode and output the traffic announcement when the traffic announcement begins. The traffic announcement having finished, the unit will return to the previous mode. (TA Standby Mode)

This operation is not adjustable by the remote control.

Programme Type

SPEECH

SPORT

POP M

CLASSICS

MUSIC

"NONE" is displayed.

. A desired PTY appears for 5 seconds.

nce traffic information starts, the volume changes to the

Traffic Information Only (TA Mute)

PTY On/Off Detailed PTY Selection ding down [DISP] (PTY) for more than 2 seconds

SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, DOCUMENT

ROCK M, EASY M, LIGHT M

When there is no corresponding programme type station.

OTHER M, JAZZ, COUNTRY, NATION M, OLDIES, FOLK M

Press [I◄◄] or [►►I] to select PTY. → CLASSICS ·
→ CHILDREN ·
→ TRAVEL ·
→ NATION M · Press [1] to [6] to select PTY in the PTY

OTHER M SOCIAL LEISURE OLDIES JAZZ -Folkm -2 Press [BAND]. Search starts. AFFAIRS, INFO, EDUCATE, DRA

To stop searching, press [BAND] (SET). When there is no corresponding programme type statio "NONE" is displayed.

PTY Preset Change Select a PTY that you would like to preset

Follow the procedure of ordinary presetting. (→ "Station Preset" in "Radio (AM [LW/MW]/FM)") Another station in the same PTY is searched for by pressing

Player (Disc Player)

Note: A disc which has both CD-DA data and MP3/WMA/AAC data on it may not be reproduced normally



witches the information on the display [4] (RANDOM)/[5] (SCAN)/[6] (REPEAT)

Hold down either of them for fast

reverse/fast forward

• Do not insert a disc when the **ODISC** indicator lights. Refer to the section of "Notes on Discs" and "Notes on MP3/WMA/ This unit does not support 8 cm discs

1 Press [SRC] to select the Disc Player

Select a desired portion.

Press [BAND] (►II) Press again to cance

Track/File Selection Press [| ◀] / [▶ ▶]. Note: To perform fast forward/reverse, hold down either of Disc Player (CD-DA disc): Disc Player (MP3/WMA/AAC disc):

Folder Selection (MP3/WMA/AAC)

once and turn it on again, then press [] (Eject Do not insert foreign matter into the disc slot.

[3] (SCROLL)

Pause

Random Play Press [4] (RANDOM) Press again to cancel.

Hold down [4] (RANDOM) for more than 2 seconds. Hold down again to cance

Repeat Play Press [6] (REPEAT). Press again to cancel Folder Repeat Play (MP3/WMA/AAC)

Hold down [6] (REPEAT) for more than 2 seconds. Hold down again to cancel.

For scrolling text, press [3] (SCROLL)

Press [5] (SCAN)

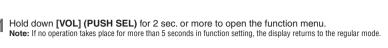
Folder Scan Play (MP3/WMA/AAC)

Hold down [5] (SCAN) for more than

Hold down again to cancel

Function Settings

elects a value in the function menu (PUSH SEL) (Push to select) selects items in the function menu



2 Press [VOL] (PUSH SEL) to select a 3 Turn [VOL] clockwise or counterclockwise to FM Minaural FM MONO lights.

1 MUNU =UEE FM | FM Local FM

1 LOC -OFF AM Local AM LUC = IN = (LOC lights.

Only stations with good reception are detected in seek **1** LOCAL OFF LOC -OFF; REG - ON-

\$ REG =OFF

PTY LANG PTY Language ENGLISH

Φ 2): Swedish -SVENSKŘ

Region RDS

Demonstration JEMO -ON -CQ-RX400N CQ-RX300N CQ-RX200N **①** JEMO -OFF

MUTE KEY Mute/Attenuation

400N CQ-RX300N AUX1 Skip AUX I IN

03N CQ-RX102N AUX Skip

selecting the source.

AUX IN

②: Off (Skip enabled.)

①: Volume dow by 10 steps **①** KEH MUTE

> FILIX I = DIN= 1 2): Off (Skip FLIX I = II F

> > (1): Un (on disabled.)