

Panasonic®

Removable Full Front MP3 WMA CD Player/Receiver with CD Changer Control

Récepteur/lecteur CD MP3 WMA avec panneau avant amovible et contrôle de changeur CD

Reproductor de CD MP3 WMA/Receptor con Controlador de Cambiador de Discos y Frente Completo Desmontable

CQ-HX1083U

Removable Full Front CD Player/Receiver with CD Changer Control

Récepteur/lecteur CD avec panneau avant amovible et contrôle de changeur CD

Reproductor de CD/Receptor con Controlador de Cambiador de Discos y Frente Completo Desmontable

CQ-HR1003U

Operating Instructions

Manuel d'instructions

Manual de instrucciones



(CQ-HX1083U)



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WMA MP3

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

Safety Information

WARNING:
 TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
 TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE INCLUDED COMPONENTS.

CAUTION:
 THIS PRODUCT IS A CLASS I 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 YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

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

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

NOTICE:
 This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance:
 <<http://www.eiae.org>>

Find the model number and serial number on either the back or bottom of the unit. Please record them in the space below and retain this booklet as a permanent record of your purchase to help with identification in case of theft.

MODEL NUMBER	<u> CQ-HX1083U </u>
SERIAL NUMBER	<u> CQ-HR1003U </u>
DATE PURCHASED	_____
FROM	_____

Consignes de sécurité

MISE EN GARDE:
 POUR RÉDUIRE LES RISQUES D'INCENDIE OU D'ÉLECTROCUTION, N'EXPOSEZ PAS CET APPAREIL À LA PLUIE OU À L'HUMIDITÉ.
 AFIN DE PRÉVENIR TOUT RISQUE D'INCENDIE OU D'INTERFÉRENCES, UTILISER UNIQUEMENT LES COMPOSANTS FOURNIS.

ATTENTION:
 CET APPAREIL EST UN PRODUIT LASER DE LA CLASSE I.
 L'UTILISATION DE COMMANDES OU RÉGLAGES OU L'EXÉCUTION D'OPÉRATIONS AUTRES QUE CELLES QUI SONT INDIQUÉES DANS CE DOCUMENT PEUVENT RÉsulTER EN UNE EXPOSITION À UN RAYONNEMENT DANGEREUX.
 N'OUVREZ PAS LES COUVERCLES ET N'ESSAYEZ PAS D'EFFECTUER VOUS-MÊME DES RÉPARATIONS. ADRESSEZ-VOUS À UN PERSONNEL QUALIFIÉ POUR TOUTE RÉPARATION.

Il est recommandé de noter, dans l'espace prévu ci-dessous, les numéros de modèle et de série inscrits soit à l'arrière soit sous le fond de l'appareil, et de conserver ce manuel comme mémorandum de l'achat afin de permettre l'identification de l'appareil en cas de vol.

NUMÉRO DE MODÈLE	<u> CQ-HX1083U </u>
NUMÉRO DE SÉRIE	<u> CQ-HR1003U </u>
DATE DE L'ACHAT	_____
VENDEUR	_____

Información para su seguridad

ADVERTENCIA:
 PARA REDUCIR EL RIESGO DE INCENDIOS O SACUDIDAS ELÉCTRICAS, NO EXPONGA ESTE PRODUCTO A LA LLUVIA NI A LA HUMEDAD.
 PARA REDUCIR EL RIESGO DE INCENDIOS O SACUDIDAS ELÉCTRICAS, Y PARA EVITAR LAS INTERFERENCIAS MOLESTAS, UTILICE SOLAMENTE LOS COMPONENTES INCLUIDOS.

PRECAUCIÓN:
 ÉSTE ES UN PRODUCTO LÁSER DE LA CLASE I. LA UTILIZACIÓN DE CONTROLES, EL HACER AJUSTES O EL SEGUIR PROCEDIMIENTOS DISTINTOS DE LOS ESPECIFICADOS EN ESTE MANUAL PODRÍA CAUSAR UNA EXPOSICIÓN PELIGROSA A LA RADIACIÓN. NO ABRA LAS CUBIERTAS NI HAGA REPARACIONES USTED MISMO. SOLICITE LOS TRABAJOS DE SERVICIO AL PERSONAL CALIFICADO.

Busque el número del modelo y el número de serie ya sea en la parte trasera o en el fondo de la unidad. Sírvase anotar dichos números en el espacio siguiente, y mantenga este librete como una anotación permanente de su compra para ayudar en la identificación en el caso de robo.

NÚMERO DEL MODELO	<u> CQ-HX1083U </u>
NÚMERO DE SERIE	<u> CQ-HR1003U </u>
FECHA DE COMPRA	_____
NOMBRE DE LA TIENDA	_____

Panasonic welcomes you to our ever growing family of electronic product owners. We know that this product will bring you many hours of enjoyment. Our reputation is built on precise electronic and mechanical engineering, manufactured with

carefully selected components and assembled by people who take pride in their work. Once you discover the quality, reliability, and value we have built into this product, you too will be proud to be a member of our family.

Use this Product Safely

When Driving

Keep the volume level low enough to be aware of road and traffic conditions.

When Washing Your Car

Do not expose the product, including the speakers and CDs, to water or excessive moisture. This could cause electrical shorts, fire, or other damage.

When Parked

Parking in direct sunlight can produce very high temperatures inside your car. Give the interior a chance to cool down before switching the unit on.

Use the Proper Power Supply

This product is designed to operate with a 12 V DC, negative ground battery system (the normal system in a North American car).

Disc Mechanism

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

Use Authorized Servicenters

Do not attempt to disassemble or adjust this precision product. Please refer to the Servicenter list including with this product for service assistance.

For Installation

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

Note:

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

Before Reading these Instructions


- This operating instruction manual is for 2 models; CQ-HX1083U and CQ-HR1003U. All illustrations throughout this manual represent model CQ-HX1083U


unless otherwise specified. The following table describes the differences between 2 models.

Features	Models	CQ-HX1083U	CQ-HR1003U
MP3/WMA playback		Yes	None

CQ-HX1083U Indicates features applicable to CQ-HX1083U only.

CQ-HR1003U Indicates features applicable to CQ-HR1003U only.

 This can only be controlled through the main unit.

 This can only be controlled through the remote control unit.

Operations with neither mark can be performed either by the main unit or the remote control unit.

Features

Touch sensor control

Instead of turning a knob or pushing a button to activate or change a setting, simply place your finger lightly on the corresponding area of the panel.

Double security

Due to original Shutter LCD technology, the panel turns completely black when you turn off the unit. But for perfect security, you can actually remove the entire front panel and take it with you when you leave your car.

Display color and patterns

You are free to choose whatever color you like to light up the entire display. You can further customize your display with 5 spectrum analyzer patterns.

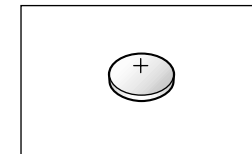
CD player

- CD-R/RW playback
- MP3 and WMA playback **CQ-HX1083U**
- Super One-Chip Digital Circuit

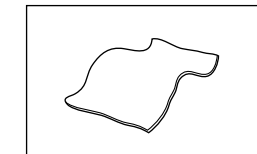
Accessories



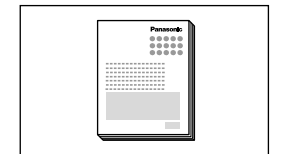
- Remote control unit (1)



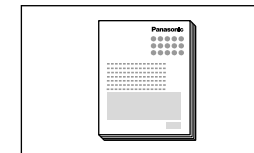
- Lithium battery (CR2025) (1)



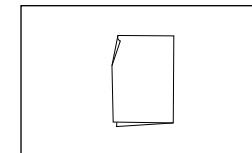
- Wiping cloth for the touch panel (1)



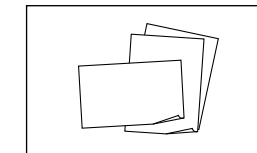
- Operating instructions (1)



- Operating guide for Sirius (1)



- Operation guide (1)



- Warranty card, etc.

Note:

- Be careful not to lose the included operation guide, which you may need when operating the unit. Store it in a location such as one of the door pockets in your car.

To Operate this Unit

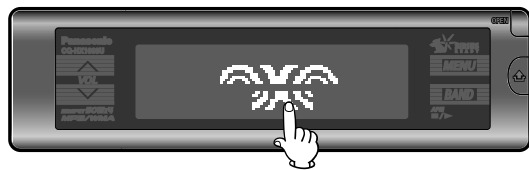
Touch Panel

Power on

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

On the main unit:
Press the center of the touch panel.

Power off (demonstration display*)



Power on (radio mode)



*When you use this unit for the first time or you select "DEMO" of display setting (page 54), the demonstration display appears.

Note:

- The power can be turned on by pressing any part of the touch panel.

On the remote control unit:
Press [PWR] (SOURCE).



Power off

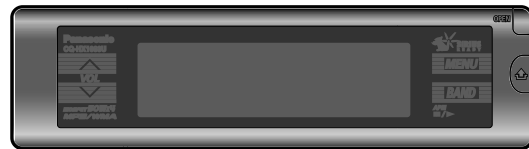
On the main unit:
Press and hold **SOURCE/POWER OFF** (source display) for more than 1 second.

Power on (Example: radio mode)



SOURCE/POWER OFF

Power off (black display*)



*security system based on LCD system (black display)
The display are no longer visible while the power is off.

Note:

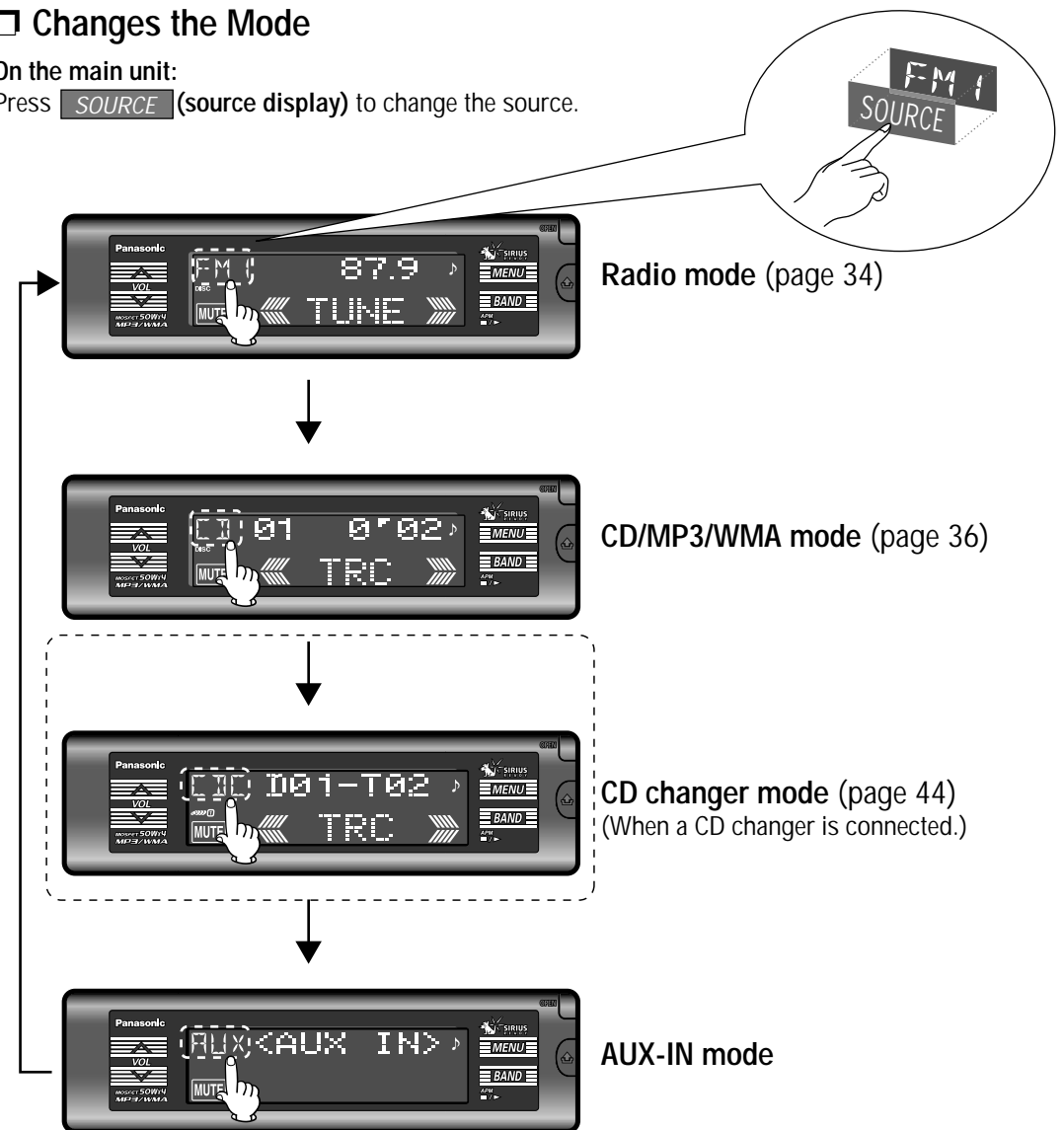
- After turning the power on for the first time after purchasing this unit, the display when the power is off will always be a black display, unless the display setting (page 54) is changed.
- The clock display or the demonstration display can be shown on the screen when the power is off. (page 54)

On the remote control unit:
Press and hold [SOURCE] again for more than 1 second.



Changes the Mode

On the main unit:
Press **SOURCE** (source display) to change the source.



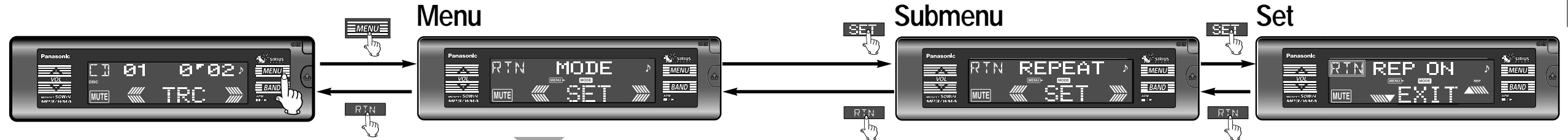
On the remote control unit:
Press [SOURCE] to change the source.

To Operate this Unit (Continued)

SET :Determines an operation or item.

RTN :Returns to the previous display.

Menu settings

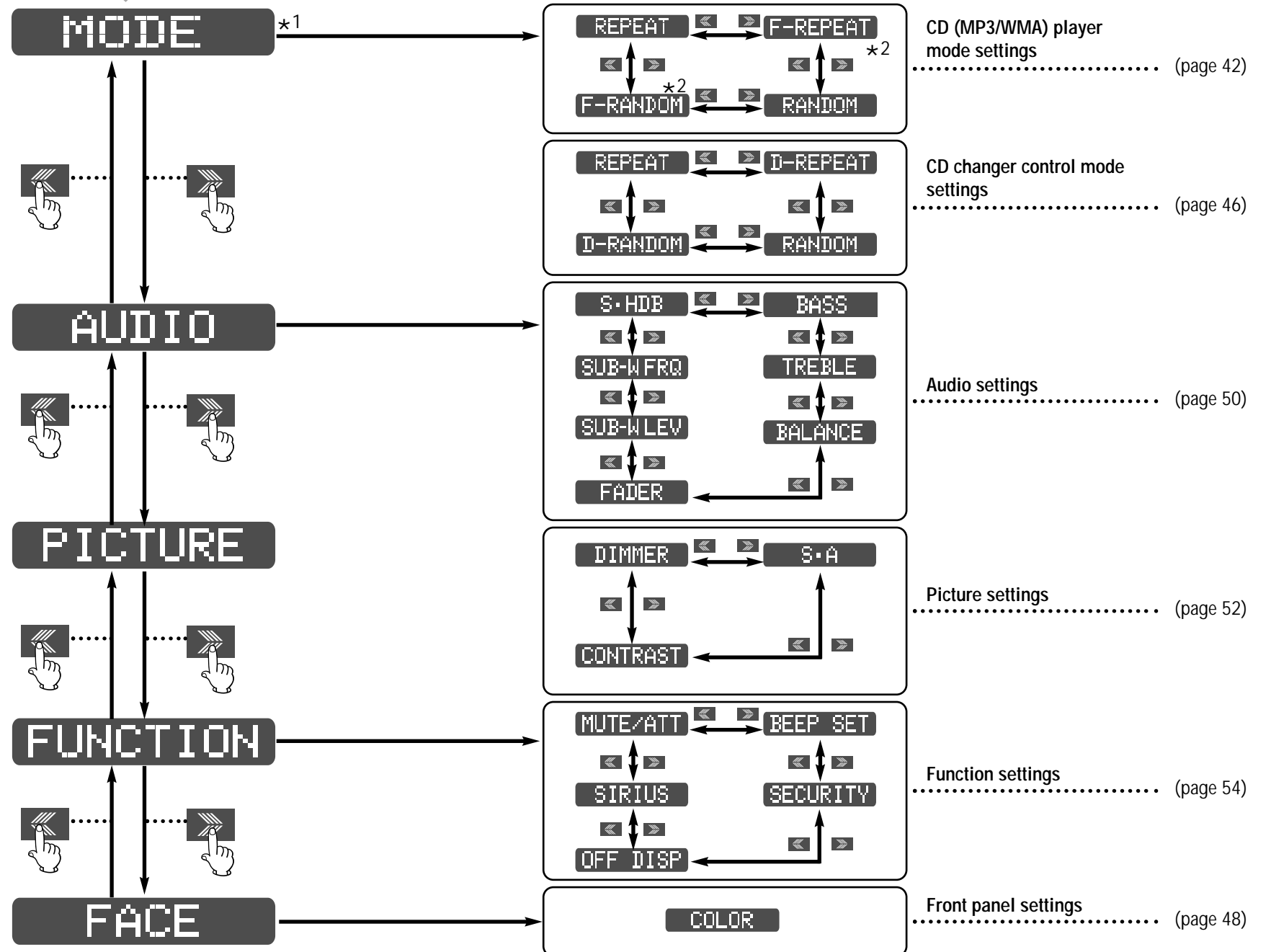


★1
In the case of the CD or CD changer mode, each detailed setting can be set individually. This kind of mode setting is not available for the radio mode or the AUX IN mode.

EMPTY

Displays when not have any menu settings. Radio and AUX-IN mode do not have any menu settings.

★2
CQ-HX1083U



Contents

Safety Information Page 2
 Use this Product Safely 4
 Before Reading these Instructions. 4
 Features. 5
 Accessories. 5

To Operate this Unit 6
 Touch panel

Remote Control Unit Preparation 28
 Battery installation, battery notes

Name of Controls Functions. 29
 Remote control unit, front panel, display

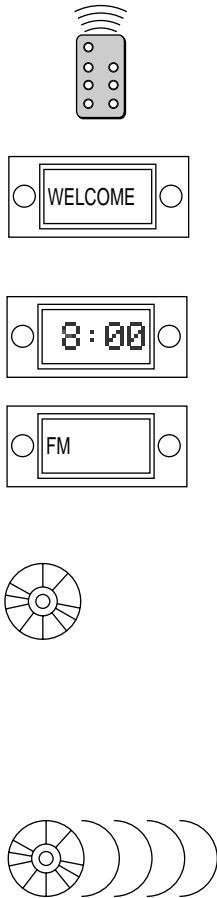
General. 32
 Power, source, volume, mute/attenuation, S-HDB (Super High Definition Bass)

Clock Set 33
 Time reset

Radio 34
 Radio mode, band, tuning, display change, preset station setting, manual preset memory, auto preset memory (APM), preset station calling

CD (MP3/WMA) Player. 36
 Listening to a CD (MP3/WMA), open the front panel, insert the disc, stop and eject the disc, track (file) selection, fast forward/fast reverse, pause, folder selection, display change, text scroll, scan play, folder scan play, direct track (file) selection, direct folder selection, notes on MP3/WMA, repeat play/random play

CD Changer Control 44
 CD changer mode, disc selection, track selection, fast forward/fast reverse, direct disc selection, scan play, disc scan play, display change, using two changers (dual changers), repeat play/random play



Front Panel Setting [FACE] 48
 Color change, direct operation

Audio Settings [AUDIO] 50
 S-HDB (Super High Definition Bass), bass and treble, balance and fader, subwoofer level, subwoofer low pass filter, direct operation

Picture (Display) Settings [PICTURE] 52
 Dimmer (display brightness setting range), Spectrum Analyzer (S-A) display pattern, contrast, direct operation

Function Settings [FUNCTION] 54
 Mute/attenuation, button operation sound, security function, display setting, excluding Sirius from source selection

Troubleshooting 56
 Preliminary steps, if you suspect something wrong, troubleshooting tips, error display messages, if the unit does not operate properly, maintenance, product servicing, replacing the fuse

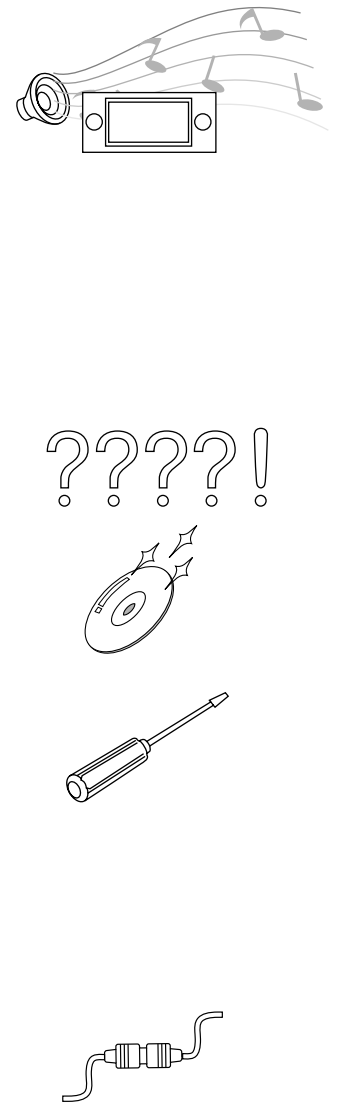
Maintenance 63
 Clean touch panel by wiping lightly with a soft cloth, notes on CD-Rs/RWs, notes on CD/CD media (CD-ROM, CD-R, CD-RW)

Installation Guide. 64
 Remove the unit

Anti-Theft System. 69
 Place the removable face plate into case, install removable face plate, security indicator, panel removal alarm

Electrical Connections 70
 Caution, wiring diagram, upgrading the system 1, upgrading the system 2

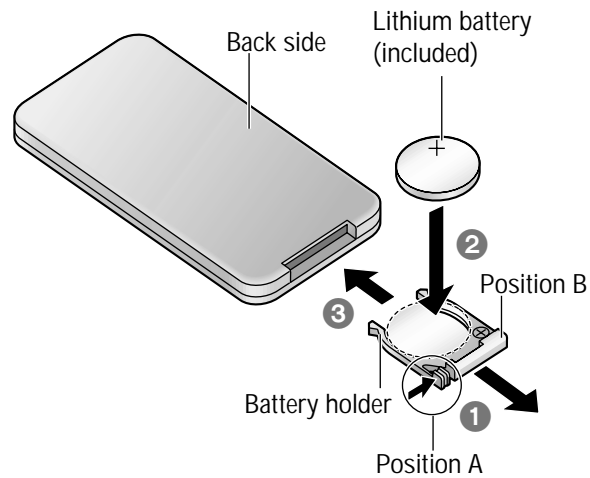
Specifications. 74



Remote Control Unit Preparation

Battery Installation

- Remove the battery holder.**
Pull the battery holder by the position B while pushing position A in the direction indicated by the arrow.
- Install the battery on the battery holder.**
- Insert the battery holder back into its original position.**



Battery Notes

- Battery type: Panasonic lithium battery (CR2025) (included)
- Battery life: Approximately 6 months with normal use (at room temperature)

Caution:

- Improper use of batteries may cause overheating, an explosion or ignition, resulting in injury or a fire. Battery leakage may damage the unit.
- Remove and dispose of an old battery immediately.
- Do not disassemble or short the battery. Do not throw a battery into a fire.
- Keep batteries away from children to avoid the risk of accidents.
- Be careful to observe proper local disposal rules when you dispose of batteries.

Name of Controls Functions (Remote Control Unit)

Point the remote control unit at the main unit's sensor. (page 30)

SOURCE

PWR

- Switches on/off the power. (page 32)
- Selects a source. (page 32)

BAND

- Selects a band. (page 34)
- Pause CD playing. (page 37)

RETURN

RET

- Returns to the previous display in the menu setting mode. (page 43)

MENU

- Enters the menu setting mode.
- Returns to the regular mode during menu play setting. (page 42)

FACE

- Selects the display color. (page 49)

S+A

- Selects the Spectrum Analyzer display pattern. (page 53)

DISP

- Changes the display. (page 34)
- Adjusts the clock. (page 33)
- Re-scrolls the display. (page 38)

DIMMER

DIM

- Changes the dimmer level. (page 53)

#

NUMBER

- Enters the number input mode. (page 39)

0 to **9**

- Memorizes broadcast stations [1] to [6]. (page 35)
- Selects the preset number. (page 35)
- Selects the track/disc/file/folder. (page 37)

4

RANDOM

- Random play (page 43)
- Disc Random play (page 47)
- Folder Random play (page 43)

5

SCAN

- Scan play (page 38)
- Disc Scan play (page 45)
- Folder Scan play (page 38)

6

REPEAT

- Repeat play (page 43)
- Disc Repeat play (page 47)
- Folder Repeat play (page 43)

Track/file/tune

- Selects (vertically) or adjusts an operation or item.
- Adjusts the clock. (page 33)
- Selects the preset number. (page 35)
- Selects the folder. (page 37)
- Selects the disc. (page 44)
- Selects (horizontally) or adjusts an operation or item.
- Selects or searches frequency/track/file. (page 34)

Set

- Determines an operation or item.

VOL

- Adjusts the sound volume. (page 33)

MUTE

- Muting or attenuation. (page 33)

Bass Control

- Sets the Super High Definition Bass sound. (Press and hold for more than 2 seconds.) (page 33)
- Enters the AUDIO menu setting. (Press.) (page 51)

..... CQ-HX1083U

Name of Controls Functions (Front Panel)

- The power can be turned on by pressing any part of the touch panel.

- Touch panel**
- Switches on the power. (page 32)

- [MENU]**
- Enters the menu setting mode.
 - Returns to the regular mode during menu setting.

- [OPEN]**
- Opens the front panel. (page 36)

Example: CQ-HX1083U



Remote control sensor

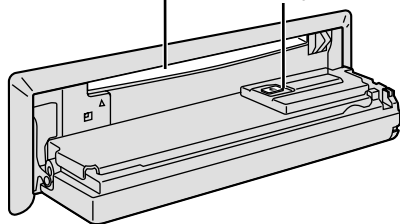
- [VOL " #] (volume)**
- Adjusts the sound volume. (page 33)

- [BAND] (APM/III/▶)**
(Auto Preset Memory/pause)
- Selects a band. (page 34)
 - Pauses CD playing. (page 37)
 - Sets the auto preset memory (APM) mode (page 35)

- [] (release)**
- Releases the front panel. (page 68)

- Disc slot**
- Loading the disc. (page 36)

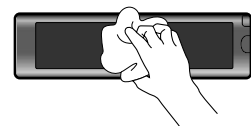
- [▲] (Eject)**
- Ejects the disc. (page 36)



Notes on the touch panel

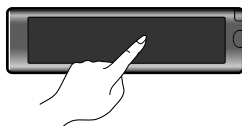
Before operation

- Clean the surface of the touch panel.



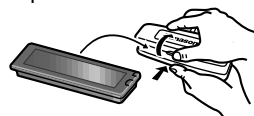
At operation

- Use your fingers only to operate touch the panel



While leaving your car

- Detach the front panel, and keep the panel with the face plate case.



(Display)

..... The display and the touch panel operation overlap in this region.

POWER OFF SOURCE RETURN

- Turn off the power.
- Select a source.
- Return to the previous display.

Radio	CD player	CD Changer	Menu
FM1	CD	CD	RTN
FM2	MP3 player	AUX	
FM3	MP3	AUX	
FAM	WMA player		
	WMA		

..... CQ-HX1083U

DISPLAY

- Changes the display.
- Adjusts the clock.
- Return to the previous display.
- Re-scrolls

[MUSIC NOTE]

- Enters the AUDIO menu setting (page 50)
- Sets the Super High Definition Bass sound. (page 33)

MUTE

- Muting or attenuation. (page 33)

[MUTE ON]

[Spectrum Analyzer (S-A) display] (page 52)

[Clock set] (page 33)

[Radio mode] (page 34)

[CD player mode] (page 36)

[MP3/WMA player mode] (page 36)

[CD changer control] (page 44)

[Menu setting mode] (page 35)

[FILE] (Folder) CQ-HX1083U

- Do not press the panel forcefully.
- Do not scratch the panel by fingernails or any hard objects.
- Do not use a pen or other sharp implement to operate the touch panel.
- Do not drop or bump the front panel.

If you do so, you may damage break the glass on the top surface of the touch panel.

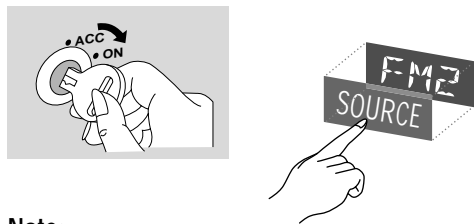
General

1 Power

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

ON: Press the touch panel on the main unit.
Press [PWR] on the remote control unit.

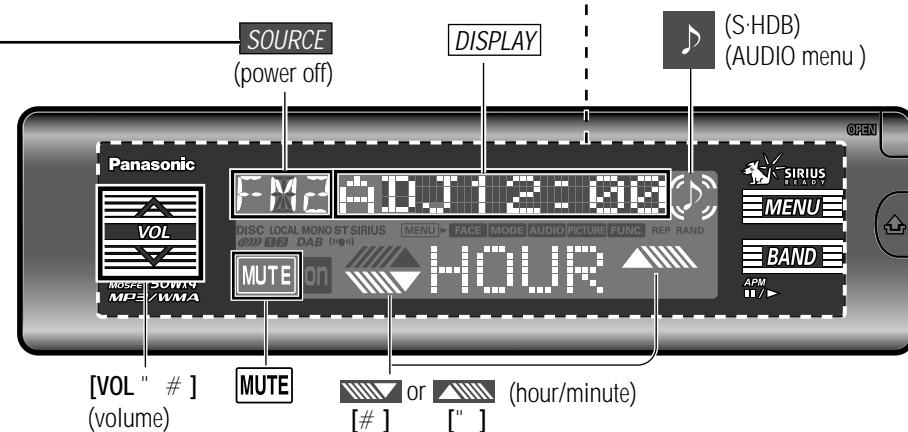
OFF: Press and hold [SOURCE] on the main unit again for more than 1 second.
Press and hold [SRC]/[SOURCE] again for more than 1 second on the remote control unit.



Note:

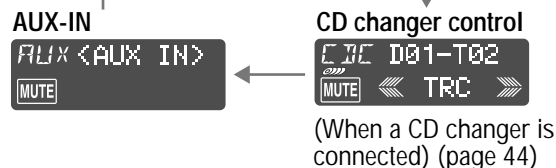
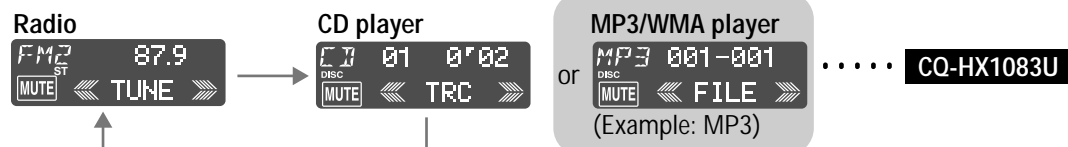
- After turning off the ignition key, a security message is displayed, and the panel removable alarm that reminds you to take the panel is activated. (When security function is set to on) (page 54)
- The power can be turned on by pressing any part of the front panel.

Touch panel (power on)

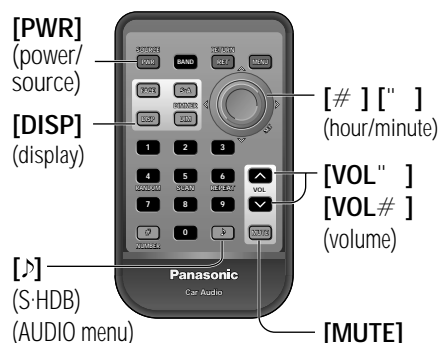


2 Source

Press [SOURCE] /([SOURCE]) to change the source.



For details on the Sirius mode, refer to the separate operating guide for Sirius.



Volume

[VOL "]: Up
[VOL #]: Down



Setting range: 0 to 40
(Default: 18)

Note:

- The sound level for each source is stored in memory.
(For radio, one volume setting for AM, one volume setting for all FMs)

Mute/Attenuation

ON: Press [MUTE] /([MUTE]). **on** lights.

OFF: Press [MUTE] /([MUTE]) again.

Decreasing volume range is adjustable by setting. (page 54)

- MUTE** No sound.
- ATT** Decreases the volume by 10 steps.

S-HDB (Super High Definition Bass)

With music genres like rock music, the bass-sound will be more powerful.

Press and hold [S] for more than 2 seconds on the main unit.

- SHDB OFF** S-HDB is non-active. (default)
- TIGHT** The bass sounds of the speakers are moderately emphasized.
- BOOM** The bass sounds of the speakers are strongly emphasized.

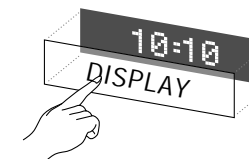
Note:

- These adjustments can also be performed using the AUDIO menu settings. (page 50)

Clock Set

The 12-hour system is used for the clock.

1 Press [DISPLAY] /([DISP]) (display).



ADJUST

2 Press and hold [DISPLAY] /([DISP]) (display) for more than 2 seconds.



(Hours blink.)

3 Press [] or [] /[#] or ["].



(Hours set.)

4 Press [DISPLAY] /([DISP]) (display).



(Minutes blink.)

5 Press [] or [] /[#] or ["].



(Minutes set.)

6 Press [DISPLAY] /([DISP]) (display).



(End.)

Note:

- Press and hold [] or [] /[#] or ["] to change numbers rapidly.
- You can select the clock display even when the unit is off. (page 54)
- **ADJUST** Displays before adjusting the clock.

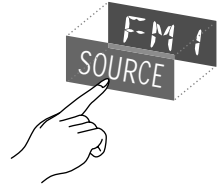
Time Reset

- 1 Press and hold [DISPLAY] /([DISP]) (display) for more than 2 seconds.
- 2 Repeat steps 3 to 6 above.

Radio

1 Radio Mode

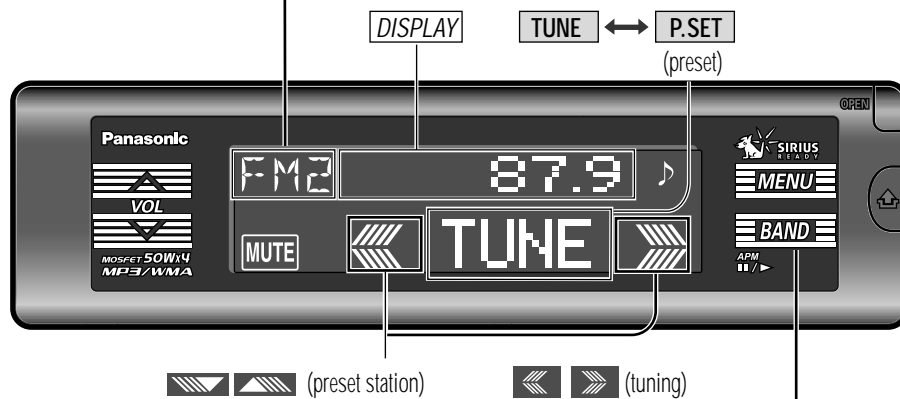
Press **[SOURCE]** / **[SOURCE]** to change to the radio mode.



Radio mode display

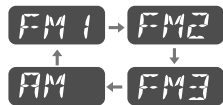


Press **[TUNE]** or **[P.SET]** to change the cursor.



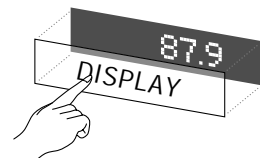
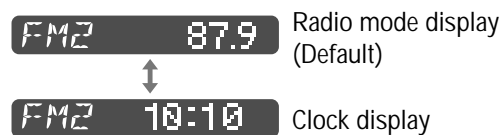
2 Band

Press **[BAND]**.



Display Change

Press **[DISPLAY]** / **[DISP]** (display).



3 Tuning

[>>] / **[>]**: Up

[<<] / **[<]**: Down

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

Caution:

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

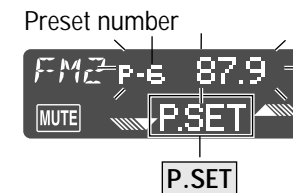
Preset Station Setting

- Up to 6 stations each can be saved in the FM1, FM2, FM3 and AM preset station memories.

Manual Preset Memory

Manually save a station in the preset memory.

- 1 Select a band and frequency. (previous page)
- 2 Press and hold **[TUNE]** or **[P.SET]** for more than 2 seconds until the preset number blinks.
- 3 Press **[<>]** or **[<]** / **[#]** or **["]** to select a preset number (1–6).
- 4 Press and hold **[P.SET]** (preset) for more than 2 seconds to memorize.
 - The display blinks once, and a receiving station is saved in the memory.



Auto Preset Memory (APM)

Automatically save stations with good reception in the preset memory.

- 1 Select a band. (previous page)
- 2 Press and hold **[APM]** for more than 2 seconds.
 - The 6 stations with good reception will be automatically saved in the memory under preset number 1 to 6.
 - Once set, the preset stations are sequentially scanned for 5 seconds each. (scanning)

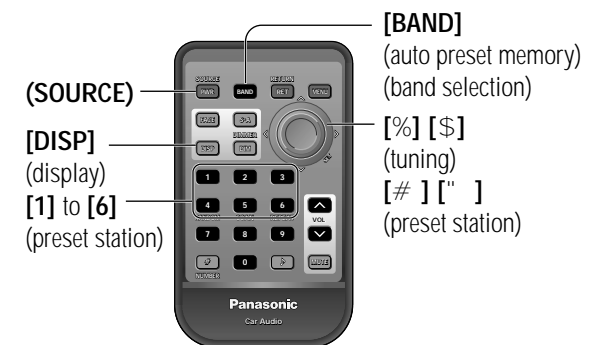


Note:

- Frequency setting can be performed even after selecting a preset number.
- To suspend preset write, press **[DISPLAY]** / **[DISP]** (display).



- 1 Select a band and frequency. (previous page)
- 2 Press and hold **[1]** to **[6]** for more than 2 seconds to memorize.



Note:

- Existing saved stations are overwritten with new stations after this procedure above.

Preset Station Calling

- 1 Select a band. (previous page)
- 2 Press the Spectrum Analyzer display **[TUNE]** to show **[P.SET]** (preset).
- 3 Press **[<>]** or **[<]** / **[#]** or **["]**. (Press **[1]** to **[6]** on the remote control unit.)

CD (MP3/WMA) Player

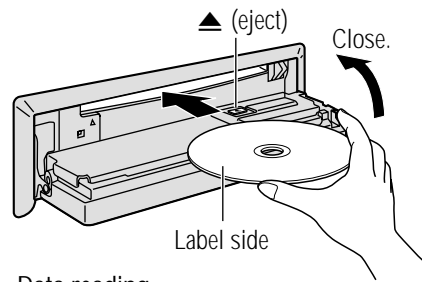
Caution:

- **Available discs:**
 - Disc size: 5" (12 cm) CD only
 - CD-DA data recorded CD-R and CD-RW discs
 - MP3/WMA data recorded CD media (CD-ROM, CD-R, CD-RW) **CQ-HX1083U**
 - 3" (8 cm) CD is not available for this unit, so do not insert it absolutely.
 - Before loading a disc, check to make sure that a disc is not already loaded.
 - Refer to page 63 about notes on CD-Rs/RWs.
 - Refer to page 40 about notes on MP3/WMA.
 - The disc insertion slot and its vicinity become hot, but this is not an indication of any problem. Be careful when inserting a disc or pressing [▲](eject).
- **Do not:**
 - use **irregularly shaped discs.**
 - push it down or place objects on it while it is open.
 - use discs that have a seal or label attached.
 - pinch your finger or hand in the front panel.
 - insert foreign matter into the disc slot.
 - watch the scroll display while driving a car. (page 38)
 - touch anything on the back side of the front panel except [▲](eject). (The back side of the front panel become hot during use, but this is not an indication of any problem.)

Listening to a CD (MP3/WMA)

- 1 Open the front panel.**
Press [OPEN].

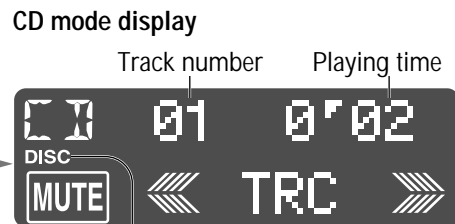
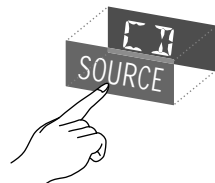
- 2 Insert the disc.**
The display changes as shown below.



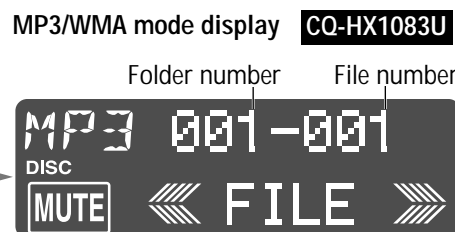
Playback will automatically start.
Close the front panel manually.



- 3 Stop and eject the disc.**
Press [OPEN] and [▲] (eject).



- Do not insert a disc when this indicator lights.
- Lights when the disc is loaded.



(Example: MP3)

The model CQ-HR1003U does not support MP3/WMA playback.

Note:

- The power will be turned on automatically when a disc is loaded.
- Be sure to close the front panel during playback.

CQ-HX1083U

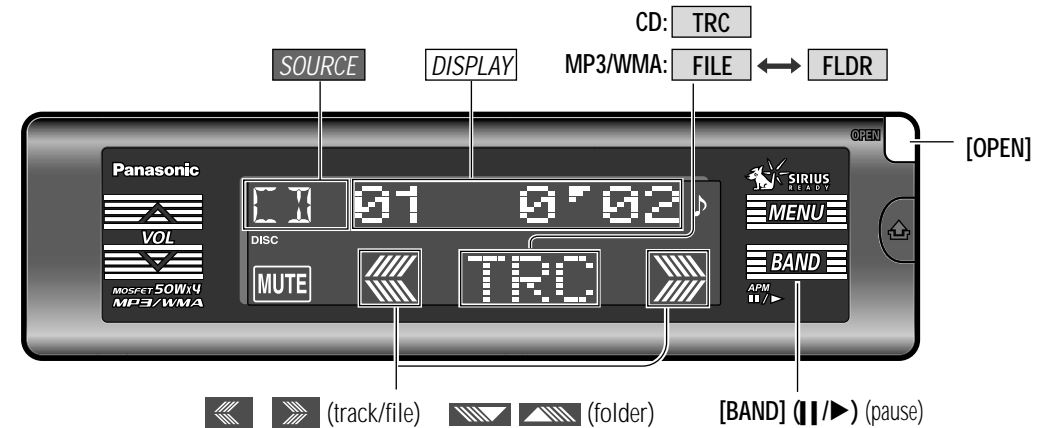
- The title information can be displayed. (page 38)
- It may take some time to distinguish CD-DA and MP3/WMA before playback starts.
- If you record too many folders and files onto a disc, it may take some time before playback starts.

Track (File) Selection

- ▶▶ /[\$]: Next track (file).
- ◀◀ /[%]: Beginning of the current track (file).
For the previous track (file), press twice.

Pause

- Press [||▶]. **PAUSE**
- Press [||▶] again to cancel.



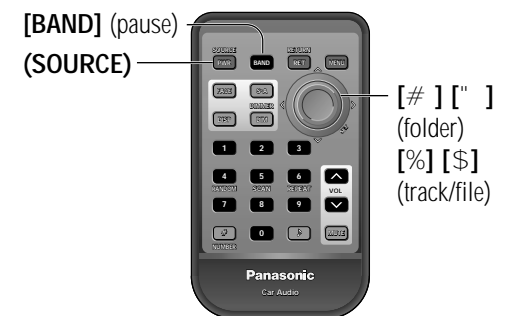
Fast Forward/Fast Reverse

- Press and hold.
- ▶▶▶ /[\$]: Fast forward.
 - ◀◀◀ /[%]: Fast reverse.

Release to resume the regular play.

Folder Selection **CQ-HX1083U**

- Press [FILE] to change the cursor.
- ▶▶▶ /["]: Next folder.
 - ◀◀◀ /[#]: Previous folder.

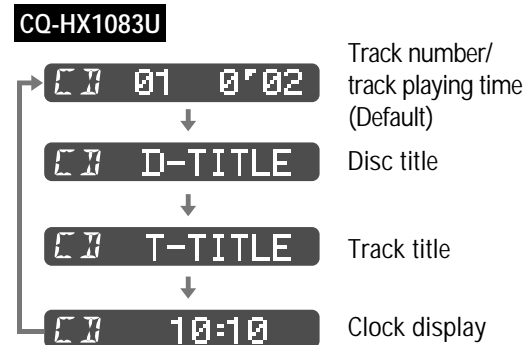
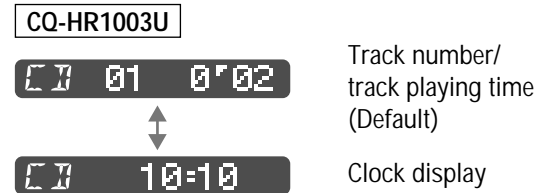


CD (MP3/WMA) Player (Continued)

Display Change

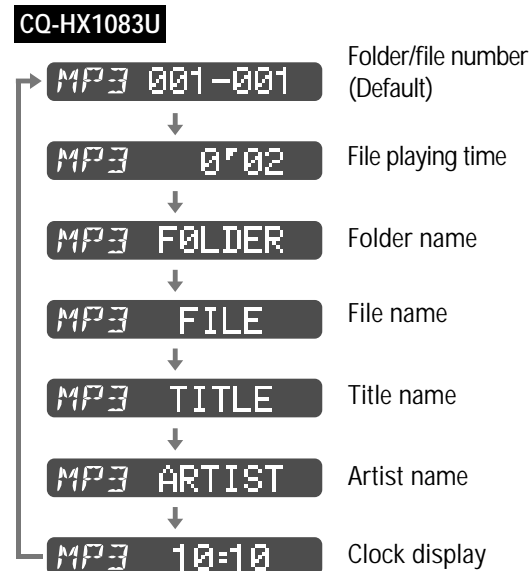
Press **[DISPLAY]/[DISP]** (display).

CD



NO TEXT This appears when playing a disc with no title information.

MP3/WMA (Example: MP3)



NO TEXT This appears when playing a disc with no folder/file/title/artist name.

Text Scroll

CQ-HX1083U

Press and hold **[DISPLAY]/[DISP]** (display) for more than 2 seconds.
When the display is set to show disc/track title or folder/file/title/artist name, this re-scroll the text.

Scan Play

Press **[SCAN]**.
The first 10 seconds of each track (file on all folder) plays in sequence.



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

Folder Scan Play

CQ-HX1083U

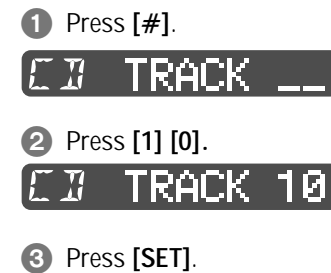
Press and hold **[SCAN]** for more than 2 seconds.
From the next folder, the first 10 seconds of the first file on each folder plays in sequence.



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

Direct Track (File) Selection

Example: track number 10



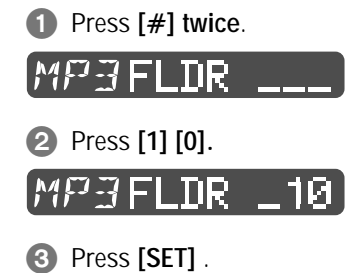
Note:

- Press **[DISPLAY]/[DISP]** (display) to return to the regular mode.

Direct Folder Selection

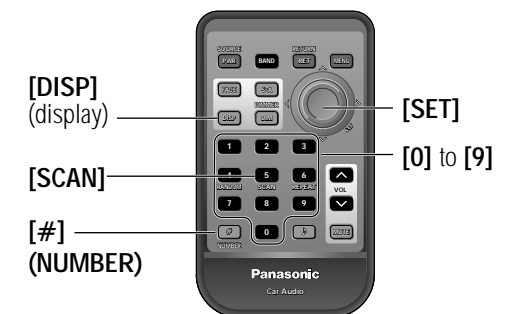
CQ-HX1083U

Example: folder number 10



Note:

- If there is no file in the specified folder, error message "E4" appears. Select another folder which contains files.
- Press **[DISPLAY]/[DISP]** (display) to return to the regular mode.



CD (MP3/WMA) Player (Continued)

Notes on MP3/WMA

What is MP3/WMA?

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

Note:

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

Points to remember when making MP3/WMA files

Common

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

MP3

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

WMA

- It is recommended to set the bit rate to "64 kbps or more" and "fixed".
- Do not set the copy protect attribute on the WMA file to enable this unit to playback.

Caution:

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

Display Information

Displayed items

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

Displayable characters

- Displayable length of file name/folder name: within 64 characters
- Name files and folders in accordance with the standard of each file system. Refer to the instructions of writing software for details.
- ASCII character set and special characters in each language can be displayed.

ASCII character set

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

Special characters

À Á Â Ã Ä å Æ ç è é ê ë Æ ä
 Ò Ó Ô Õ Ö ÷ ø ù ö
 Ù Ú Û Ü ü ú û ü

Note:

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

Recording MP3/WMA files on a CD-media

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

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

Supported file systems

ISO 9660 Level 1/Level 2, Apple Extension to ISO 9660, Joliet, Romeo

Note:

- Apple HFS, UDF 1.50, Mix CD (CD Extra) is not supported.

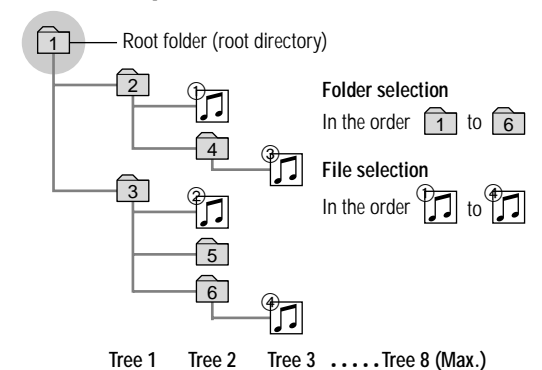
Compression formats (Recommendation: "Points to remember when making MP3/WMA files" on the previous page)

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

Folder selection order/file playback order (example)

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.



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.)

Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.



Copyright

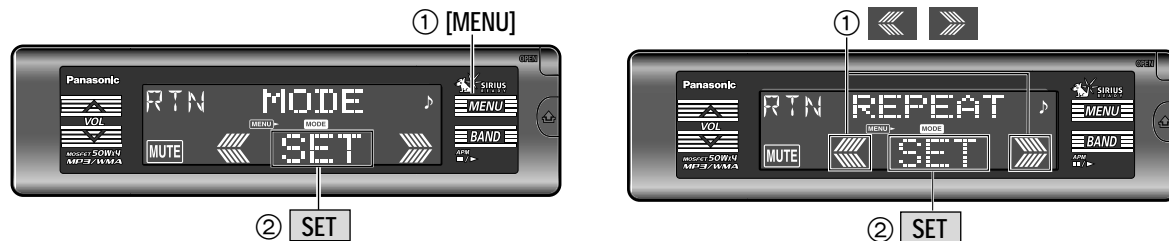
It is prohibited by copyright laws to copy, distribute and deliver copyrighted materials such as music without the approval of copyright holder except enjoying yourself personally.

No warranty

Above description complies with our investigations as of December 2002. It has no warranty for reproducibility and displayability of MP3/WMA.

CD (MP3/WMA) Player (Continued)

Repeat Play/Random Play



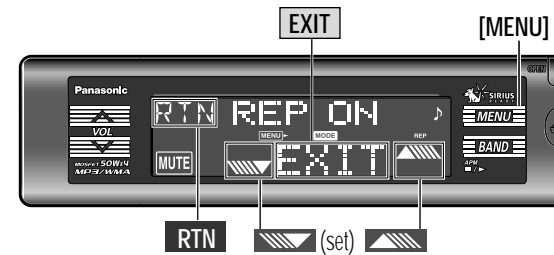
[MENU] Lights during menu play setting.
[MODE] Lights during CD (MP3/WMA) player mode.

1 Menu

- 1 Press **[MENU]** during CD playing to display "MODE".
- 2 Press **[SET]/[SET]**.

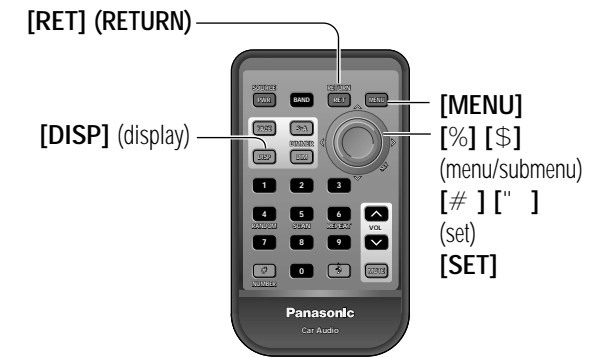
2 Submenu

- 1 Press **◀** or **▶** / **[%]** or **[\$]**.
- 2 Press **[SET]/[SET]**.



3 Set

Press **◀** or **▶** / **[#]** or **["]**.



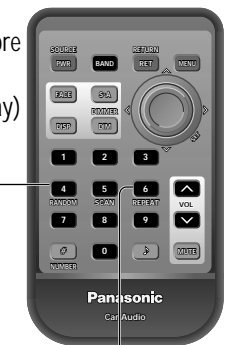
Note:

- Press **[EXIT]/[MENU]/[DISP]** (display) to return to the regular mode.
- Press **[RTN]/[RET]** (RETURN) to return to the previous display.

Direct Operation

In the case of remote control, as an alternative to performing operations from the menu, the operations can be performed directly using the buttons shown below.

Press **[RANDOM]**.
(random play)
Press and hold **[RANDOM]** for more than 2 seconds.
(folder random play)



Press **[REPEAT]**.
(repeat play)
Press and hold **[REPEAT]** for more than 2 seconds.
(folder repeat play)

Repeat Play

Default: REP OFF

CQ-HX1083U

Folder Repeat Play

Default: F-REP OFF

Random Play

Default: RAND OFF

CQ-HX1083U

Folder Random Play

Default: F-RND OFF

Select

MODE

Select

REPEAT

Select

F-REPEAT

Select

RANDOM

Select

F-RANDOM

REP ON

Repeats the current track/file.
(**REP** lights.)

REP OFF

Cancel

F-REP ON

Repeats the current folder. (**REP** blinks.)

F-REP OFF

Cancel

RAND ON

All the available tracks/files play in a random sequence.
(**RAND** lights.)

RAND OFF

Cancel

F-RND ON

All the available files on the current folder play in a random sequence.
(**RAND** blinks.)

F-RND OFF

Cancel