

Clarion®

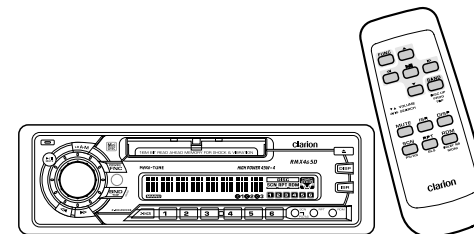
Owner's manual
Mode d'emploi
Manual de instrucciones

RMX465D

AM/FM MD PLAYER WITH CD
CHANGER CONTROL

LECTEUR MD AM/FM AVEC
COMMANDE DE CHANGEUR CD

RADIO DE AM/FM Y REPRODUCTOR DE
MINIDISCOS CON CONTROL DE CAMBIADOR
DE DISCOS COMPACTOS



**C-BUS
DECK**

**Mini
Disc**

Clarion Co., Ltd.

All Rights Reserved. Copyright © 1999: Clarion Co., Ltd.
Printed in China / Imprimé en Chine / Inpreso en China

**PE-4026B
280-7434-00**

1999/12 (A·C)

Thank you for purchasing this **Clarion** product.

Memorándum

- * Please read this owner's manual in its entirety before operating this equipment.
- * After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).
- * Check the contents of the enclosed warranty card and keep it carefully with this manual.
- * This manual includes the operating procedures of the CD changer. The CD changer has its own manual, but no explanations for operating it are described.

Contents

1. FEATURES	2
2. PRECAUTIONS	3
Handling MD	4
3. CONTROLS	5
4. NOMENCLATURE	6
Names of Buttons	6
Display Items	6
5. DCP	7
6. REMOTE CONTROL	8
Inserting the Batteries	8
Functions of Remote Control Unit Buttons	9
7. OPERATIONS	10
Basic Operations	10
Radio Operations	12
MD Operations	13
8. OPERATIONS OF ACCESSORIES	15
CD Changer Operations	15
9. TROUBLESHOOTING	17
10. ERROR DISPLAYS	18
11. SPECIFICATIONS	19

1. FEATURES

- DIN Chassis with Detachable Control Panel
- Z-Enhancer with 3 Mode Sound Selector
- **MAGI-TUNE**® FM Reception System
- AM/FM Bands - 1AM, 3FM / 18FM/6AM Touchbutton Memory
- 8-Times Oversampling Digital Filter and Dual 1-Bit D/A Converters
- 16M Bit Read Ahead Memory (Approximately 40 Seconds) for Shock Resistance
- Zero-Bit Detector™ Mute Circuit
- Repeat/Random Play / Intro Music Scan
- Multi-Color LC Display
- 2-Channel RCA Line Level Output with Fader Control
- 180W (45W×4) Maximum Power Output
- Infrared Remote Control

11. ESPECIFICACIONES

Sintonizador de FM

- Gama de frecuencias: 87,9 a 107,9 MHz
- Sensibilidad útil: 11 dBf
- Sensibilidad a 50 dB de silenciamiento: 17 dBf
- Selectividad de canal alternativo: 75 dB
- Separación entre canales (1 kHz): 35 dB
- Respuesta en frecuencia (±3 dB): 30 Hz a 15 kHz

Sintonizador de AM

- Gama de frecuencias: 530 a 1710 kHz
- Sensibilidad útil: 25 µV

Reproductor de minidiscos

- Respuesta en frecuencia (±2 dB): 20 Hz a 20 kHz
- Relación señal-ruido (1 kHz): 90 dB
- Gama dinámica (1 kHz): 85 dB
- Distorsión armónica: 0,01%

Notas:

- Las especificaciones están de acuerdo con las normas de la EIA.
- Licencia de patentes en EE.UU y otros países por parte de Dolby Laboratories Licensing Corporation.
- Las especificaciones y el diseño están sujetos a cambio sin previo aviso por motivo de mejoras.

Audio

- Salida máxima de potencia: 180 W (45 W × 4 canales) (EIAJ)
- Salida media continua de potencia: 16 W × 4, con 4 Ω, de 20 Hz a 20 kHz, 1% de distorsión armónica total
- Acción de control de graves (30 Hz): ±13 dB
- Acción de control de agudos (10 kHz): ±10 dB
- Salida de línea (reproductor de minidiscos 1 kHz): 1,8 V

Generales

- Tensión de alimentación: 14,4 V CC (permisible de 10,8 a 15,6 V), negativo a masa
- Consumo de corriente: Menos de 15 A
- Impedancia de los altavoces: 4 Ω (permisible de 4 a 8 Ω)
- Peso / Unidad fuente: 3,3 lb. (1,5 kg)
- Peso / Controlador remoto: 1 oz. (30 g) (incluyendo la pila)
- Dimensiones / Unidad fuente: 7" (An) × 2" (Al) × 6-1/8" (Prf) [178 (An) × 50 (Al) × 155 (Prf) mm]
- Dimensiones / Controlador remoto: 1-3/4" (An) × 4-5/16" (Al) × 1-1/8" (Prf) [44 (An) × 110 (Al) × 27 (Prf) mm]

2. PRECAUTIONS

- When the inside of the car is very cold and the player is used soon after switching on the heater moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio technician for help.

- Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.
- This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

CAUTION

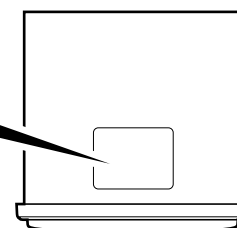
USE OF CONTROLS, ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER and MINI DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.



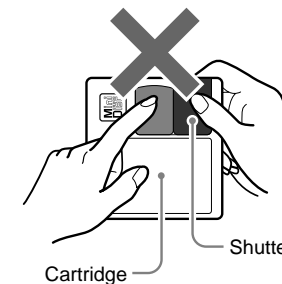
Bottom View of Source Unit

Handling MD

Use only MDs bearing the mark.

Handling

- Never open the shutter on the MD cartridge.



- Never play a minidisc with an index label that is peeling off. If you try to play such a minidisc, you may not be able to get it back out of the MD player or it may damage the MD player.

Storage

- Do not expose minidisks to direct sunlight or any heat source.
- Do not expose minidisks to excess humidity or dust.
- Do not expose minidisks to direct heat from heaters.

Cleaning

- If the MD cartridge is dirty, wipe off the dirt with a soft dry cloth.

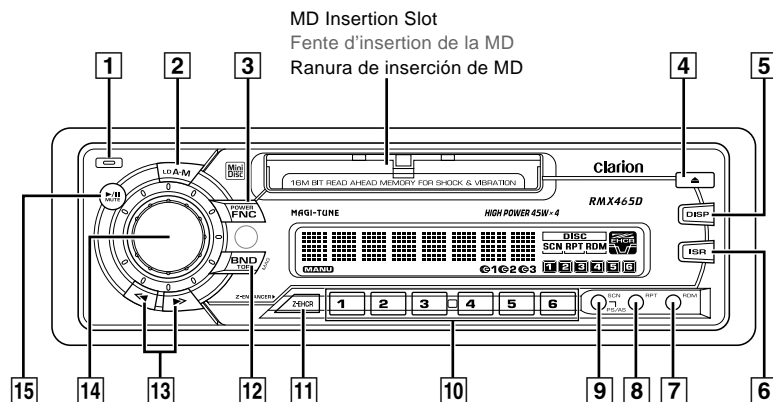
- Discs recorded in monaural mode cannot be played on this unit.

English

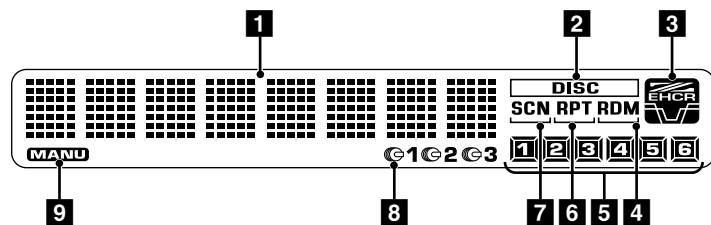
English

3. CONTROLS / LES COMMANDES / CONTROLES

Source unit / Appareil pilote / Unidad fuente



Display / Afficheur / Visualizador



Note: Be sure to unfold this page and refer to the front diagrams as you read each chapter.
Remarque: Veuillez déplier cette page et vous référer aux schémas quand vous lisez chaque chapitre.
Nota: Cuando lea los capítulos, despliegue esta página y consulte los diagramas.

4. NOMENCLATURE

Note:
 • Be sure to read this chapter referring to the front diagrams of chapter "3. CONTROLS" on page 5 (unfold).

Names of Buttons

- 1 Release button
- 2 A-M (audio mode) button
- 3 POWER button
- 4 Eject button
- 5 DISP (display) button
- 6 ISR (instant station recall) button
- 7 RDM (random) button
- 8 RPT (repeat) button
- 9 PS/AS (preset scan/auto store) button
- 10 SCN (scan) button
- 11 Direct buttons (1 to 6)
- 12 Z-EHCR (z-enhancer) button
- 13 BND (band) button
- 14 TOP button
- 15 SRCH (Search) buttons

Display Items

- 1 Operation status indication
 * The frequency, play time, clock, etc. are displayed.
- 2 DISC indication
- 3 Z-EHCR (z-enhancer) indication
- 4 RDM (random) indication
- 5 Preset channel indication (1 to 6)
 Disc number indication (1 to 6)
 * The disc numbers corresponding to the discs in the CD changer light.
- 6 RPT (repeat) indication
- 7 SCN (scan) indication
- 8 Disc in indication
- 9 MANU (manual) indication

10. INDICACIONES DE ERROR

Cuando ocurra un error, se visualizará el tipo del mismo.
 Tome las medidas descritas a continuación para solucionar el problema.

	Indicación de error	Causa	Solución
MD	ERROR 2	En el interior del deck de minidisos está atascado un minidisco y no puede extraerse.	Ésta es una avería del mecanismo del deck de minidisos, y usted tendrá que consultar al establecimiento de adquisición.
	ERROR 3	No es posible reproducir un minidisco debido a ralladuras, etc.	Reemplace el minidisco por otro no rallado ni alabeado.
	ERROR 6	En el deck de minidisos está cargado un minidisco al revés y no puede reproducirse. Se visualizará cuando cargue un minidisco no grabado en el deck de minidisos.	Extraiga el minidisco y vuelva a cargarlo adecuadamente. Cargue un minidisco grabado en el deck de minidisos.
Cambiador de discos compactos	ERROR 2	No hay discos cargados en el interior del cambiador de discos compactos.	Éste es un problema del cambiador de discos compactos. Póngase en contacto con el comercio en el que adquirió la unidad.
	ERROR 3	El disco compacto del cambiador de discos compactos no puede reproducirse debido a ralladuras, etc.	Reemplace el disco compacto por otro que no esté rayado ni alabeado.
	ERROR 6	El disco compacto del cambiador de discos compactos no puede reproducirse debido a que está cargado al revés.	Extraiga el disco y cárguelo adecuadamente.

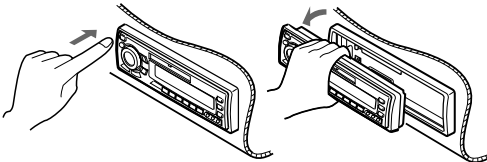
Si aparece una indicación de error no descrita arriba, presione el botón de reposición. Si el problema continúa, desconecte la alimentación y póngase en contacto con el comercio en el que adquirió la unidad.

5. DCP

The control panel can be detached to prevent theft. When detaching the control panel, store it in the included DCP case to prevent scratches. We recommend taking the control panel with you when leaving the car.

Removing the DCP

1. Hold down POWER button **3** for 1 second or longer to turn off the power.
2. Press the DCP Release button **1**.



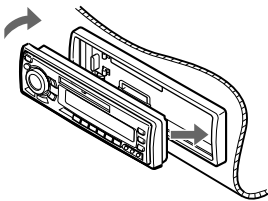
* The DCP is unlocked

3. Remove the DCP.

Attaching the DCP

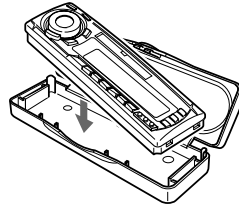
Insert the DCP into the right side of the source unit and press the left side to lock it.

Do not insert the DCP from the left side. Doing so may damage it.

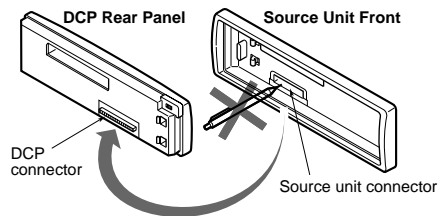


Storing the DCP in the DCP Case

Hold the DCP, in the orientation as shown in the figure below, and put it into the supplied DCP case. (Ensure the DCP is in the correct orientation.)



- The DCP can easily be damaged by shocks. After removing it, place it in a protective case and be careful not to drop it or subject it to strong shocks.
- When the Release button is pressed and the DCP is unlocked, the car's vibrations may cause it to fall. To prevent damage to the DCP, always store it in its case after detaching it.
- The rear connector connecting the main unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, pens, screwdrivers, etc.

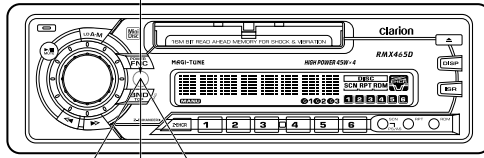


Note:

- If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.

6. REMOTE CONTROL

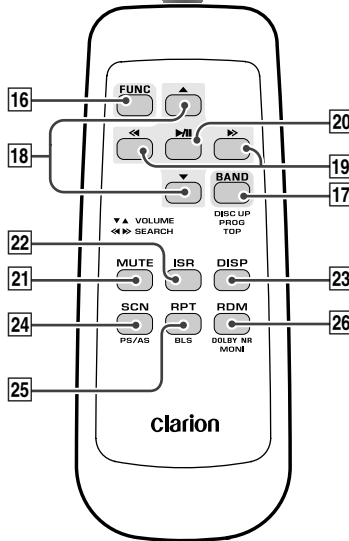
Receiver for remote control unit



Operating range: 30° in all directions

Remote control unit

Signal transmitter



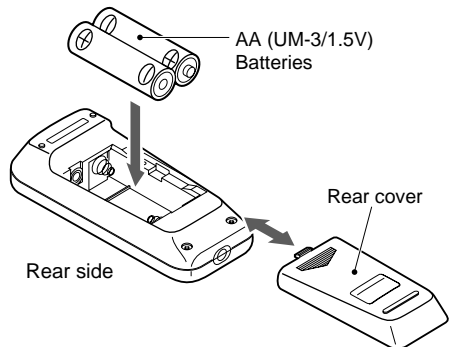
Inserting the Batteries

1. Turn the remote control unit over, then slide the rear cover in the direction of the arrow.
2. Insert the AA (UM-3/1.5V) batteries that came with the remote control unit facing in the directions shown in the figure, then close the rear cover.

Notes:

Using batteries improperly can cause them to explode. Take note of the following points:

- When replacing batteries, replace both batteries with new ones.
- Do not short-circuit, disassemble or heat batteries.
- Do not dispose of batteries into fire or water.
- Dispose of spent batteries properly.



Functions of Remote Control Unit Buttons

Button	Mode	Radio	MD	CD changer
16	FUNC	Turns power on and off. When pressed and held for 1 second: Turns power off. Switches among radio, MD and CD changer.		
17	BAND DISC UP PROG TOP	Switches reception band.	Plays the first track. Top play.	Moves the next disc in increasing order.
18	VOLUME	Increases and decreases volume (in all modes).		
19	SEARCH	Moves preset channels up and down.	Moves tracks up and down. When pressed and held for 1 second: Fast-forward/ fast-backward.	Moves tracks up and down. When pressed and held for 1 second: Fast-forward/ fast-backward.
20	PLAY/PAUSE	Turns mute on and off.	Switches between playback and pause.	Switches between playback and pause.
21	MUTE	Turns mute on and off.	Switches between playback and pause.	Switches between playback and pause.
22	ISR	Recalls ISR radio station in memory. Press and hold for 2 seconds or longer: Stores current station into ISR memory (radio mode only).		
23	DISP	Switches among main display, sub display and clock display.		
24	SCN PS/AS	Preset scan. When pressed and held for 2 seconds: Auto store.	Scan play.	Scan play. When pressed and held for 2 seconds: Disc scan play.
∞	RPT BLS	No function.	Repeat play.	Repeat play. When pressed and held for 2 seconds: Disc repeat play.
26	RDM DOLBY NR MONI	No function.	Random play.	Random play. When pressed and held for 2 seconds: Disc random play.

* Some of the corresponding buttons on the source unit and remote control unit have different functions.

7. OPERATIONS

Basic Operations

Note: Be sure to read this chapter referring to the front diagrams of chapter "3. CONTROLS" on page 5 (unfold).

⚠ CAUTION

Be sure to lower the volume before switching off the unit power or the ignition key. The unit remembers its last volume setting. If you switch the power off with the volume up, when you switch the power back on, the sudden loud volume may hurt your hearing and damage the unit.

The clock is displayed when the ignition key is turned to the ACC (accessory) or IGN (ignition-on) position even when the unit power is off. In some cars, the clock may momentarily disappear when the ignition key is turned to the START position. The clock will reappear after the engine has started and the ignition key is released to the IGN (ignition-on) position.

Turning on/off the power

Note:

• Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.

1. Press POWER button [3].
2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.
3. Press and hold POWER button [3] for 1 second or longer to turn off the power for the unit.

Selecting a mode

1. Press FNC button [3] to change the mode of operation.
2. Each time you press FNC button [3], the mode of operation changes in the following order:
Radio mode → MD mode → CD changer mode → TV mode → Radio mode...
* External equipment not connected with C-BUS is not displayed.

Adjusting the volume

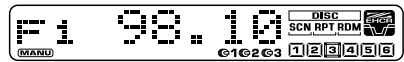
Turning the Rotary volume knob [14] clockwise increases the volume; turning it counterclockwise decreases the volume.

* The volume level is from 0 (minimum) to 33 (maximum).

Switching the display

Press DISP button [5] to select the desired display. Each time you press DISP button [5], the display switches in the following order:

Main display



Clock display



* Once selected, the preferred display becomes the display default. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display, then revert back to the preferred display several seconds after the adjustment.

Setting the Z-enhancer

This unit comes with 3 types of sound tone effects stored in memory. Select the one you prefer.

* The factory default setting is "Z-EHCR OFF".

Each time you press Z-EHCR button [11], the tone effect changes in the following order:

"Z-ENHANCER 1" → "Z-ENHANCER 2" → "Z-ENHANCER 3" → "Z-EHCR OFF" → "Z-ENHANCER 1"...

- Z-ENHANCER 1 : bass emphasized
- Z-ENHANCER 2 : treble emphasized
- Z-ENHANCER 3 : bass and treble emphasized
- Z-EHCR OFF : no sound effect

Adjusting the tone

Press A-M button [2] and select the item to adjust. Each time you press A-M button [2], the item changes in the following order:

BASS → TREB → BAL → FAD →

Previous mode...

Adjusting the bass

1. Press A-M button **[2]** and select "**BASS**".
2. Turning the Rotary knob **[14]** clockwise emphasizes the bass; turning it counterclockwise attenuates the bass.
 - * The factory default setting is "**0**". (Adjustment range: -6 to +6)
3. When the adjustment is complete, press A-M button **[2]** several times until the function mode is reached.

Adjusting the treble

1. Press A-M button **[2]** and select "**TREB**".
2. Turning the Rotary knob **[14]** clockwise emphasizes the treble; turning it counterclockwise attenuates the treble.
 - * The factory default setting is "**0**". (Adjustment range: -6 to +6)
3. When the adjustment is complete, press A-M button **[2]** several times until the function mode is reached.

Adjusting the balance

1. Press A-M button **[2]** and select "**BAL**".
2. Turning the Rotary knob **[14]** clockwise emphasizes the sound from the right speaker; turning it counterclockwise emphasizes the sound from the left speaker.
 - * The factory default setting is "**0**". (Adjustment range: L9 to R9)
3. When the adjustment is complete, press A-M button **[2]** several times until the function mode is reached.

Adjusting the fader

1. Press A-M button **[2]** and select "**FAD**".
2. Turning the Rotary knob **[14]** clockwise emphasizes the sound from the front speakers; turning it counterclockwise emphasizes the sound from the rear speakers.
 - * The factory default setting is "**0**". (Adjustment range: F9 to R9)
3. When the adjustment is complete, press A-M button **[2]** several times until the function mode is reached.

Turning on/off the loudness

The loudness effect emphasizes the bass and treble to create a natural sound tone. When you are listening to music at a low volume, it is rec-

ommended to use the loudness effect.

1. Press and hold LD button **[2]** for 1 second or longer to turn on the loudness effect. When the loudness effect is turned on, the display will show "**LOUD ON**".
2. Press and hold LD button **[2]** for 1 second or longer to turn off the loudness effect. The display will show "**LOUD OFF**".

Radio Operations

FM reception

For enhanced FM performance the **MAGI-TUNE**® tuner includes signal actuated stereo control and Multipath noise reduction circuits.

Changing the reception area

This unit is initially set to USA frequency intervals of 10kHz for AM and 200kHz for FM. When using it outside the USA, the frequency reception range can be switched to the intervals below.

● Setting the reception area

1. Press BND button [12] and select the desired radio band (FM or AM).
2. While pressing BND button [12], each time you press and hold the SRCH left button [13] for 2 second or longer, the reception area switches from inside the U.S.A. Also, while pressing BND button [12], press and hold the SRCH right button [13] for 2 second or longer, the reception area switches from outside U.S.A.
 - * Any station preset memories are lost when the reception area is changed.

Listening to the radio

1. Press FNC button [3] and select the radio mode.
2. Press BND button [12] and select the radio band. Each time the button is pressed, the radio reception band changes in the following order:
FM1 → FM2 → FM3 → AM → FM1...
3. Press the right or left side of SRCH Left or Right button [13] to tune in the desired station.

Tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press BND button [12] and select the desired band (FM or AM).
 - * If "MANU" is lit in the display, press and hold BND button [12] for 1 second or longer. "MANU" in the display goes off and seek tuning is now available.
2. Press the right or left side of SRCH Left or Right button [13] to automatically seek a station. When the SRCH Left or Right button [13] is pressed, the station is sought in the direction of higher frequencies; if the left side of SRCH

button [13] is pressed, the station is sought in the direction of lower frequencies.

Manual tuning

There are 2 ways available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In quick tuning mode, you can quickly tune the desired frequency.

1. Press BND button [12] and select the desired band (FM or AM).
 - * If "MANU" is not lit in the display, press and hold BND button [12] for 1 second or longer. "MANU" lights in the display and manual tuning is now available.
2. Tune into a station.

● Quick tuning:

Press and hold the right or left side of SRCH button [13] for 1 second or longer to tune in a station.

● Step tuning:

Press the right or left side of SRCH button [13] to manually tune in a station.

Recalling a preset station

A total of 24 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM) exists to store individual radio stations in memory. Pressing the corresponding preset button recalls the stored radio frequency automatically.

1. Press BND button [12] and select the desired band (FM or AM).
2. Press the corresponding Preset button [10] to recall the stored station.
 - * Press and hold one of the Preset buttons [10] for 2 seconds or longer to store that station into preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of Preset buttons [10] for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 stations cannot be received, a previously stored station remains unoverwritten at the memory position.

1. Press BND button [12] and select the desired band (FM or AM).
2. Press and hold AS button [9] for 2 seconds or longer. The stations with good reception are stored automatically to the preset buttons.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press PS button [9].
2. When a desired station is tuned in, press PS button [9] again to continue receiving that station.

Note:

- Be careful not to press and hold PS button [9] for 2 seconds or longer, otherwise the auto store function engages and the unit starts storing stations.

Instant station recall (ISR)

Instant station recall is a special radio preset that instantly accesses a favorite radio station at a touch of a button. The ISR function even operates with the unit in other modes.

● ISR memory

1. Select the station that you wish to store in ISR memory.
2. Press and hold ISR button [6] for 2 seconds or longer.


● Recalling a station with ISR

In any mode, press ISR button [6] to turn on the radio function and tune the selected radio station. "ISR" appears in the display. Press ISR button [6] again to return to the previous mode.

Loading an MD

1. After confirming the orientation of an MD, insert the MD into the insertion slot.

Notes:

- Never insert foreign objects into the MD insertion slot.
- If an MD is not inserted easily, there may be another MD in the mechanism or the unit may require service.
- An MD that does not carry the  mark cannot be used with this unit.

Listening to an MD already inserted

Press FNC button [3] to select the MD mode. Play starts automatically. If no MD is loaded in the unit, "NO DISC" appears in the display.

Pausing play

1. Press Play/pause button [15] to pause play. "PAUSE" appears in the display.
2. To resume MD play, press Play/pause button [15] again.

Switching between a disc title and a track title

On this unit, a disc title and a track title that have been previously entered can be displayed.

* Titles cannot be entered for MDs with this unit.

1. Press DISP button [5] to display the title.
2. Each time you press and hold DISP button [5] the track title and the disc title are alternately displayed.

● Scrolling a title

If an MD title has 11 characters or more, you can scroll the title using the following operation.

1. Display the MD title (disc).
2. Press BND button [12] for 1 second or longer. The title will scroll.

Ejecting an MD

1. Press Eject button [4] to eject an MD. Take it out from the ejected position.
- * The radio mode is selected automatically 4 seconds after Eject button [4] is pressed.

Selecting a track

● Track-up

1. Press the right side of SRCH button **[13]** to move ahead to the beginning of the next track.
2. Each time you press the right side of SRCH button **[13]**, the track advances ahead to the beginning of the next track.

● Track-down

1. Press the left side of SRCH button **[13]** to move back to the beginning of the current track.
2. Press the left side of SRCH button **[13]** twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● Fast-forward

Press and hold the right side of SRCH button **[13]** for 1 second or longer.

● Fast-backward

Press and hold the left side of SRCH button **[13]** for 1 second or longer.

Top function

The top function resets the MD player to the first track of the disc. Press TOP button **[12]** to play the first track (track No. 1) on the disc.

Scan play

The scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is canceled.

* The scan play is useful when you want to select a desired track.

1. Press SCN button **[9]** to start track scanning. "SCN" lights in the display.
2. To cancel the scan play, press SCN button **[9]** again. "SCN" goes off from the display and the current track continues to play.

Repeat play

The repeat play continuously plays the current track. This function continues automatically until it is canceled.

1. Press RPT button **[8]**. "RPT" lights in the display and the current track is repeated.
2. To cancel the repeat play, press RPT button **[8]** again. "RPT" goes off from the display and normal play resumes.

Random play

The random play selects and plays individual tracks on a disc in no particular order. This function continues automatically until it is canceled.

1. Press RDM button **[7]**. "RDM" lights in the display, an individual track is selected randomly and play begins.
2. To cancel the random play, press RDM button **[7]** again. "RDM" goes off and normal play resumes.

Setting the clock

1. Press the DISP button **[5]** to toggle the display to the clock mode.
2. Press and hold the DISP button **[5]** for 1 second or longer.
3. Select SRCH left or right to adjust the time using the α -selector **[13]**.

● Adjusting minutes

Each time you use the SRCH right button **[13]**, the minutes increment up by one digit (0 to 59).

● Adjusting hours

Each time you use the SRCH right button **[13]**, the hours increment up by one digit (1 AM to 12 PM). Repeat press left and hold the α -selector **[13]** to increment the hours as they count up from AM to PM, stopping on the correct hour.

* The clock only displays time in a 12-hour format. There is no way to toggle the clock to a 24-hour format.

4. Press the DISP button **[5]** to set the clock into memory. This also resets the seconds counter to zero.

Note:

• *The clock can only be set by turning power on to the unit and switching to the clock display mode. You cannot set the clock when it is displayed with only the ignition on. If you drain or remove the car's battery, the clock must be reset. While setting the clock, if another button or operation is selected, the clock set mode is canceled.*

8. OPERATIONS OF ACCESSORIES

CD Changer Operations

CD changer functions

When an optional CD changer is connected through the C-BUS cable, this unit controls all the CD changer functions. This unit can control a total of 2 changers.

Press FNC button [3] and select the CD changer mode to start play. If 2 CD changers are connected, press FNC button [3] to select the CD changer for play.

* If "NO MAGA" appears in the display, insert the magazine into the CD changer. "LOADING" appears in the display while the player loads (checks) the magazine.

* If "NO DISC" appears in the display, eject the magazine and insert discs into each slot. Then, reinsert the magazine back into the CD changer.

⚠ CAUTION

CD-ROM discs cannot be played in the CD changer.

Pausing play

1. Press Play/pause button [15] to pause play. "PAUSE" appears in the display.
2. To resume play, press Play/pause button [15] again.

Selecting a CD

Each of the Direct button [10] corresponds to a disc loaded into the magazine.

● Selecting a disc from 1 to 6

Press the corresponding Direct button [10] to select the desired disc.

Switching Magazine

This function can be used only when the connected CD changer can store a multiple number of magazines.

Every time the MAG button [12] is pressed, the next magazine will be selected.

* If a CD is not loaded in a slot of the magazine, pressing the Direct button [10] corresponding to its disc number is invalid.

Selecting a track

● Track-up

1. Press the right side of SRCH button [13] to move ahead to the beginning of the next track.

2. Each time you press the right side of SRCH button [13], the track advances ahead to the beginning of the next track.

● Track-down

1. Press the left side of SRCH button [13] to move back to the beginning of the current track.
2. Press the left side of SRCH button [13] twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● Fast-forward

Press and hold the right side of SRCH button [13] for 1 second or longer.

● Fast-backward

Press and hold the left side of SRCH button [13] for 1 second or longer.

Top function

The top function plays from the first track (track No. 1) of the disc.

Press the Direct button [10] with the same number as the CD playing.

* If a CD is not loaded in a slot of the magazine, pressing the Direct button [10] corresponding to its disc number is invalid.

Scan play

The scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is canceled.

* The scan play is useful when you want to select a desired track.

1. Press SCN button [9] to start track scanning. "SCN" lights in the display.
2. To cancel the scan play, press SCN button [9] again. "SCN" goes off from the display and the current track continues to play.

Disc scan play

The disc scan play locates and plays the first 10 seconds of the first track on each disc in the currently selected CD changer. This function continues automatically until it is canceled.

* The disc scan play is useful when you want to select a desired CD.

1. Press and hold SCN button [9] for 1 second or longer. "DISC" and "SCN" light in the display and the disc scan play starts.
2. To cancel the disc scan play, press SCN button [9] again. "DISC" and "SCN" go off from the display and the current track continues to play.

Repeat play

The repeat play continuously plays the current track. This function continues automatically until it is canceled.

1. Press RPT button [8]. "RPT" lights in the display and the current track is repeated.
2. To cancel the repeat play, press RPT button [8] again. "RPT" goes off from the display and normal play resumes.

Disc repeat play

After all the tracks on the current disc have been played, the disc repeat play automatically replays the current disc over from the first track. This function continues automatically until it is canceled.

1. Press and hold RPT button [8] for 1 second or longer. "DISC" and "RPT" light in the display and the disc repeat play starts.
2. To cancel the disc repeat play, press and hold RPT button [8] again. "DISC" and "RPT" go off from the display and normal play resumes on the current track.

Random play

The random play selects and plays individual tracks on the disc in no particular order. This function continues automatically until it is canceled.

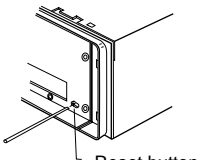
1. Press RDM button [7]. "RDM" lights in the display and the random play begins.
2. To cancel the random play, press RDM button [7] again. "RDM" goes off from the display and normal play resumes.

Disc random play

The disc random play selects and plays individual tracks or discs automatically in no particular order. This function continues automatically until it is canceled.

1. Press and hold RDM button [7] for 1 second or longer. "DISC" and "RDM" light in the display and the disc random play starts.
2. To cancel the disc random play, press and hold RDM button [7] again. "DISC" and "RDM" go off from the display and normal play resumes from the current track.

9. TROUBLESHOOTING

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	<ol style="list-style-type: none"> 1. Turn the unit off. 2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. 3. Turn the unit back on. 4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required).
	Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press Release button 1 and remove the DCP. Press the reset button for about 2 seconds with a thin rod.
			
	DCP or source unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.	
MD	MD cannot be loaded.	Another MD is already loaded.	Eject the MD before loading the new one.
		MD inserted wrongly.	Insert correctly.
	Sound skips or is noisy.	MD is heavily scratched or warped.	Replace with an MD with no scratches.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.

10. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.
Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
MD	ERROR 2	An MD is caught inside the MD deck and is not ejected.	This is a failure of MD deck's mechanism and consult your store of purchase.
	ERROR 3	An MD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	An MD is loaded upside-down inside the MD deck and does not play.	Eject the disc then reload it properly.
Displayed when a non-recorded MD is loaded in the MD deck.		Load a pre-recorded MD in the MD deck.	
CD changer	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

11. SPECIFICATIONS

FM Tuner

Frequency Range:

87.9 MHz to 107.9 MHz

Usable Sensitivity:

11 dBf

50dB Quieting Sensitivity:

17 dBf

Alternate Channel Selectivity:

75 dB

Stereo Separation (1 kHz):

35 dB

Frequency Response (± 3 dB):

30 Hz to 15 kHz

AM Tuner

Frequency Range:

530 kHz to 1710 kHz

Usable Sensitivity:

25 μ V

MD Player

Frequency Response (± 2 dB):

20 Hz to 20 kHz

Signal to Noise Ratio (1 kHz):

90 dB

Dynamic Range (1 kHz):

85 dB

Harmonic Distortion:

0.01%

Audio

Maximum Power Output:

180 W (45 W \times 4 ch) (EIAJ)

Continuous Average Power Output:

16 W \times 4, into 4 Ω , 20 Hz to 20 kHz, 1%THD

Bass Control Action (30 Hz):

± 13 dB

Treble Control Action (10 kHz):

± 10 dB

Line Output Level (MD 1 kHz):

1.8 V

General

Power Supply Voltage:

14.4 V DC (10.8 to 15.6 V allowable),
negative ground

Current Consumption:

Less than 15 A

Speaker Impedance:

4 Ω (4 Ω to 8 Ω allowable)

Weight / Source unit:

3.3 lb. (1.5 kg)

Weight / Remote control unit:

1 oz. (30 g) (including battery)

Dimensions / Source unit:

7" (Width) \times 2" (Height) \times 6-1/8" (Depth)
[178 (W) \times 50 (H) \times 155 (D) mm]

Dimensions / Remote control unit:

1-3/4" (Width) \times 4-5/16" (Height) \times 1-1/8" (Depth)
[44 (W) \times 110 (H) \times 27 (D) mm]

Notes:

- Specifications comply with EIA Standards.
- U.S. and foreign patents licensed from Dolby Laboratories Licensing Corporation.
- Specifications and design are subject to change without notice for further improvement.

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>