

FFH-S198A/S197A JAASLLS-ENGLISH



Stylish Hi-Fi System OWNER'S MANUAL

MODEL: F-S198/F-S197

(Main Unit: FFH-S198A/FFH-S197A

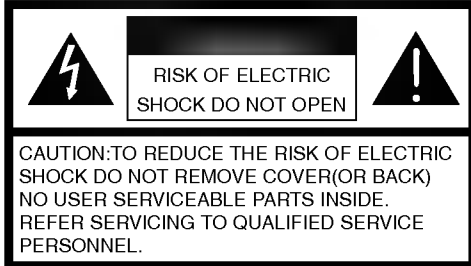
**Speakers: FE-S198E/FE-S197E
FE-S198AWE)**

**Please read this manual carefully before operating your set.
Retain it for future reference.**

**Designs and specifications are subject to change without
notice for improvement.**



Precautions



This label is located on the interior.

CLASS1	LASER PRODUCT
KLASSE1	LASER PRODUKT
LUOKAN1	LASER LAITE
KLASS 1	LASER APPARAT
CLASSE 1	PRODUIT LASER

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the exterior.

Explanation Graphical Symbols:



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

TO REDUCE THE RISK OF FIRE OF ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

To avoid electrical shock, do not open the cabinet, Refer servicing to qualified personnel only.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

WARNING: OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD STRÅLEN ÄR FARLIG.

Attention: Quand l'appareil est ouvert, ne pas s'exposer aux radiations invisibles du faisceau laser.

Warning:

Do not install this equipment in a confined space such a book case or similar unit.

Table of Contents

INTRODUCTION

Precautions	2
Table of Contents	3
Before Use	4
Safety Precautions	4
Notes on Discs	4
Notes on Remote Control	4
Notes on Internal Ventilator	4
Front Panel/ Rear Panel	5
Remote Control	6
Display Window	6
Connections	7
Speaker System Connection	7
Antenna (Aerial) Connections	7
OPTICAL (Digital audio out jack) connection	8

BEFORE OPERATION

Setting the CLOCK	8
Sleep Function	8
Timer Function	9
Audio Adjustment	10
Volume Adjustment	10
Sound Quality Adjustment	10
MUTE	10
XDSS (Extreme Dynamic Sound System)	10
SURROUND	10
Auxiliary Function	10




OPERATION

Presetting the radio stations	11
Listening to the radio	11
CD Playback	12
Basic Playback	12
To Pause Play	12
To Stop Play	12
To Skipping the Track	12
To Play Fast Rewind or Fast Forward	12
To Repeat Play	12
To Program Play	12

Reference

Troubleshooting	13
Specifications	14

About the symbols for instructions

-  Indicates hazards likely to cause harm to the unit itself or other material damage.
-  Indicates special operating features of this unit.
-  Indicates tips and hints for making the task easier.

Before Use

Safety Precautions

Handling the unit

When shipping the unit

The original shipping carton and packing materials come in handy. For maximum protection, re-pack the unit as it was originally packed at the factory.

To keep the surface clean

Do not use volatile liquids, such as insecticide spray, near the unit. Do not leave rubber or plastic products in contact with the unit for a long period of time. They will leave marks on the surface.

Cleaning the unit

To clean the cabinet

Use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents, such as alcohol, benzene, or thinner, as these might damage the surface of the unit.

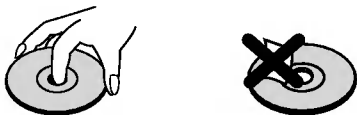
Caution

- Do not put anything up on the upper cover. Operation in this situation can cause system damage when you open the upper cover.
- Do not remove upper cover. Operation without this cover causes severe injury.

Notes on Discs

Handling discs

Do not touch the playback side of the disc.
Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.



Storing discs

After playing, store the disc in its case.
Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.

Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the centre out.



Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray.

Notes on Remote Control

Remote Control Operation Range

Point the remote control at the remote sensor and press the buttons.

- **Distance:** About 23 ft (7 m) from the front of the remote sensor.
- **Angle:** About 30° in each direction of the front of the remote sensor.

Remote control battery installation



Detach the battery cover on the rear of the remote control, and insert two R03 (size AAA) batteries with **+** and **-** aligned correctly.

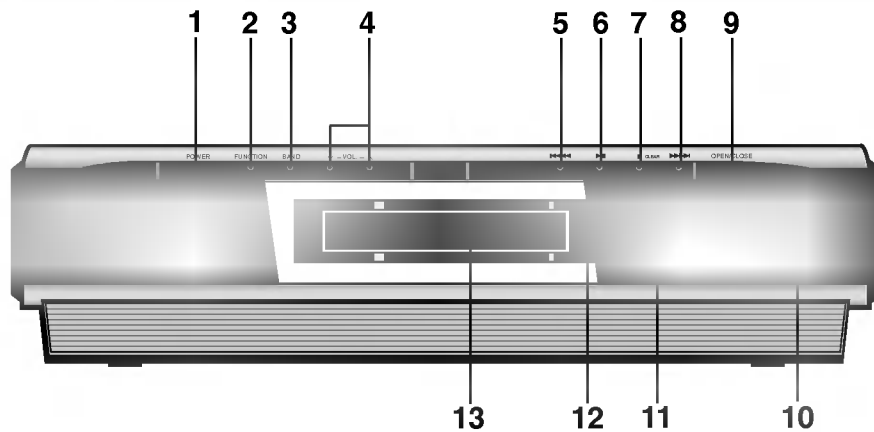
Caution

Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.).

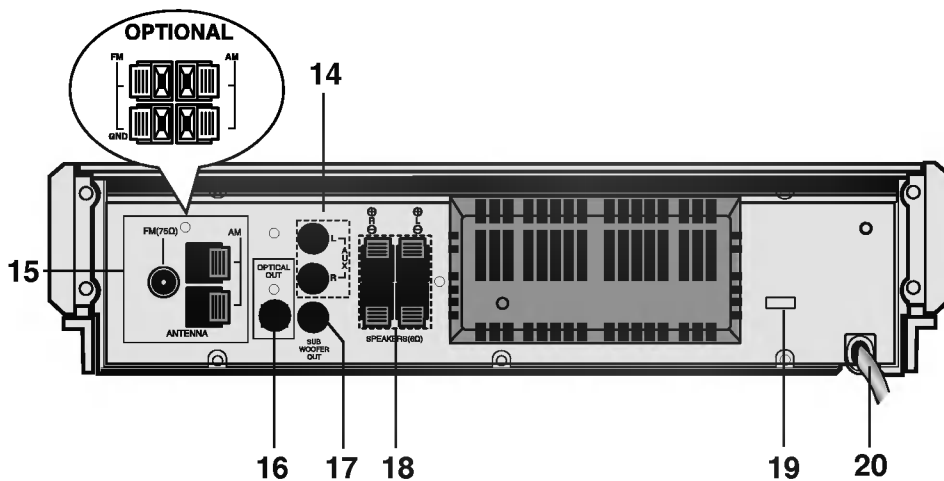
Notes on Internal Ventilator

- Ventilator installed inside of this product, it helps to operate high tension current in small space. The fan operates when internal temperature is high though sound level setting being high or low. To operate the fan efficiently, keep a space about 15cm between the wall and the backside of the product. In the case of sides of the product (Between product and speaker), at least 1cm gap is required.
- Set up as follows to avoid the risk of electric shock, fire and damage of the merchandise.
 - Set up in an open area with no obstructions.
 - Install the bottom 15cm height from the floor to keep the ventilation free.

Front Panel/ Rear Panel

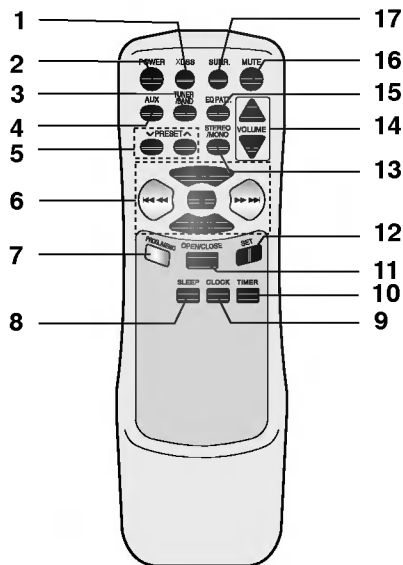


INTRODUCTION



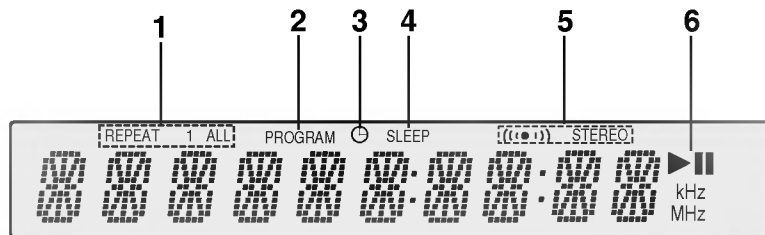
- | | |
|---|--|
| 1. POWER button | 10. HEADPHONE SOCKET (PHONES): \varnothing 3.5mm |
| 2. FUNCTION SELECT (FUNCTION) button | 11. STANDBY/ON INDICATOR |
| 3. AM/FM SELECT (BAND) button | 12. REMOTE SENSOR |
| 4. VOLUME (∇/\wedge) button | 13. DISPLAY WINDOW |
| 5. CD SKIP/ SEARCH (\lll) button | 14. AUXILIARY INPUT JACK (AUX) |
| TUNING (\lll) button | 15. ANTENNA TERMINAL |
| 6. CD PLAY/ PAUSE (\triangleright/\parallel) button | 16. OPTICAL (Digital audio out) jack |
| 7. CD STOP(\blacksquare)/ CLEAR button | 17. SUB WOOFER OUT JACK (Optional) |
| 8. CD SKIP/ SEARCH (\ggg) button | 18. SPEAKER TERMINAL |
| TUNING (\ggg) button | 19. VOLTAGE SELECTOR (Optional) |
| 9. CD OPEN/CLOSE button | 20. POWER CORD |

Remote Control



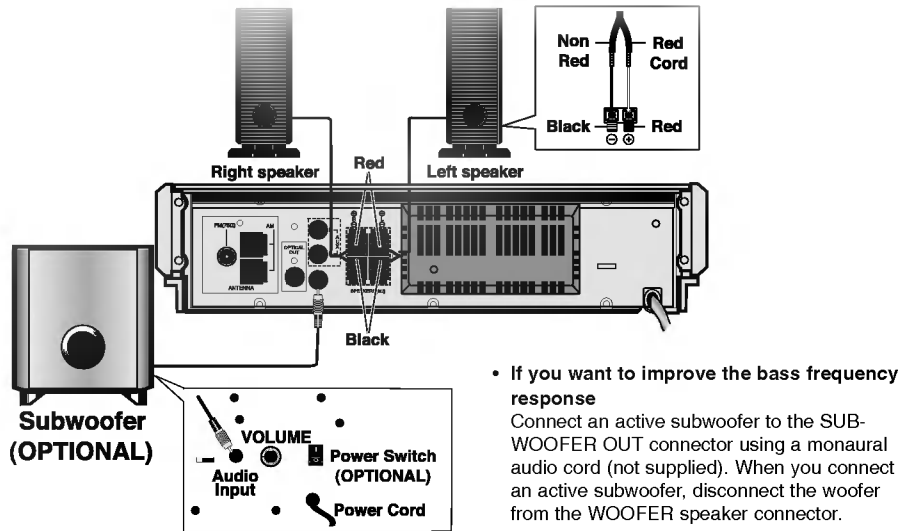
1. XDSS button
2. POWER button
3. TUNER/ BAND button
4. AUX button
5. PRESET (∇/∧) button
6. • CD PLAY/ PAUSE (▶||) button
• CD STOP (■) button
• CD SKIP/SEARCH (|◀◀/▶▶|) button
• TUNING (|◀◀/▶▶|) button
• REPEAT button
7. PROG./MEMO button
8. SLEEP button
9. CLOCK button
10. TIMER button
11. CD OPEN/ CLOSE button
12. SET button
13. STEREO/ MONO button
14. VOLUME (∇/∧) button
15. EQUALIZER PATTERN (EQ PATT.) button
16. MUTE button
17. SURROUND (SURR.) button

Display Window



1. REPEAT indicator
2. PROGRAM indicator
3. TIMER indicator
4. SLEEP indicator
5. FM STEREO receiving indicator
6. PLAY/PAUSE indicator

Connections



BEFORE OPERATION

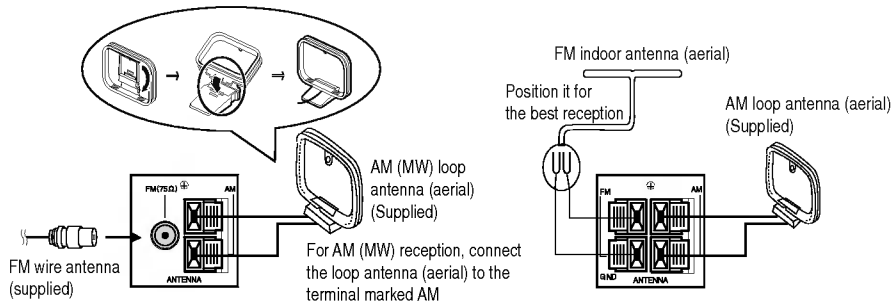
Notes

- Be sure to match the speaker cord to the appropriate terminal on the components: + to + and – to –. If the cords are reversed, the sound will be distorted and will lack base.
- If you use front speakers with low maximum input rating, adjust the volume carefully to avoid excessive output on the speakers.
- Do not disassemble the front cover of supplied speaker.

Antenna (Aerial) Connections

Connect the supplied FM/AM antennas for listening to the radio.

- Connect the AM loop antenna to the AM antenna connector.
- Connect the FM wire antenna (or FM "T" antenna) to the FM 75Ω/300Ω coaxial connector.



Notes

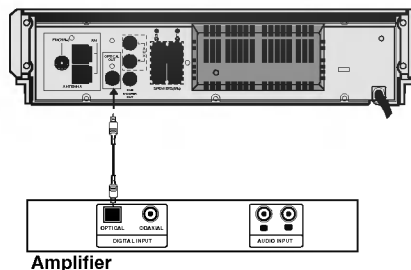
- To prevent noise pickup, keep the AM loop antenna away from the unit and other components.
- Be sure to fully extend the FM wire antenna.
- After connecting the FM wire antenna, keep it as horizontal as possible.

Connections (Cont'd)

OPTICAL (Digital audio out jack) connection

Connecting to an amplifier equipped with two channel analog stereo or Dolby Surround.

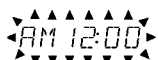
- Connect the unit's DIGITAL AUDIO OUT jacks (OPTICAL) to the corresponding in jack on your amplifier. Use an optional digital (optical) audio cable.



Setting the CLOCK

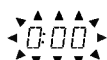
- 1** Press **CLOCK** on the remote control.
(If the clock is requires setting, press and hold **CLOCK** for more than 2 seconds.)
- The hours begin to blink.

- 2** Select a 24 hour cycle or 12 hour cycle by pressing **◀◀◀/▶▶▶** button on the front panel or remote control.



(12HR)

or



(24HR)

- 3** Press **SET** to confirm the selected hour cycle.

- 4** Use **◀◀◀/▶▶▶** button to set the correct hours.

- 5** Press **SET**.

- 6** Use **◀◀◀/▶▶▶** button to set the correct minutes.

- 7** Press **SET** and the correct time is shown on the display.

- 8** Press **CLOCK** at any time to display the time for about 5 seconds.

Sleep Function

When the sleep timer is used, the power is automatically turned off after the specified time has elapsed.

- 1** To specify the time delay before the power is turned off, press **SLEEP**.
In the display window you can see **SLEEP 90** for about 5 seconds. This means that the system turns off automatically after 90 minutes.
Each time the button is pressed the time interval before it turns off is reduced by 10 minutes. i.e. 80...70... etc.
Select the desired time to turn off.

- 2** To check the remaining time until the power is turned off.
While the sleep function is active press **SLEEP** briefly. The time remaining until it turns off is displayed for about 5 seconds.



Note

If you press **SLEEP** while the sleep time is displayed, the **SLEEP** time is reset.

To cancel the sleep timer mode

If you wish to stop the function, press the **SLEEP** button repeatedly until 10 appears, and then press **SLEEP** once again while 10 is displayed.



Timer Function

With the TIMER function you can have the radio reception, CD play or AUX source play turned on and off at the time desired.

- 1** Press **CLOCK** on the remote control to check the current time.
- 2** Press **TIMER** to enter the timer setting mode. (If you want to correct the previous memorized TIMER setting, press and hold the **TIMER** button more than 2 seconds.) The previous memorized timer on time and "TIMER" appears in the display. Each function : TUNER-CD flashes in the display window in turn.
- 3** Press **SET** when the desired function is flashing.
- 4** **A. When you select the TUNER function, select the previous memorized preset number with \lll / \ggg button and press SET.**
 - 'ON TIME' indicator appears for about 0.5 seconds in the display window and then disappears.**B. When you select the CD function,**
 - 'ON TIME' indicator appears for about 0.5 seconds in the display window and then disappears.
- 5** Select the hour to switch on by pressing \lll / \ggg button.
- 6** Press **SET** to confirm the hour to switch on.
- 7** Select the minute to switch on by pressing \lll / \ggg button.
- 8** Press **SET** to confirm the minute to switch on. 'OFF TIME' indicator appears for about 0.5 seconds in the display window and then disappears .
- 9** Select the hour to switch off by pressing \lll / \ggg button.
- 10** Press **SET** to confirm the hour to switch off.
- 11** Select the minute to switch off by pressing \lll / \ggg button.
- 12** Press **SET**.
- 13** Adjust the volume level by pressing \lll / \ggg button.
- 14** Press **SET**. "TIMER" appears in the display window and the timer setting has been completed.
- 15** Switch the system off. The selected function is automatically switched on and off at the time set.

To cancel or check the timer

Each time the **TIMER** button is pressed you can select the timer set or cancel. You can also check the timer setting status.

To activate or check the timer, press the **TIMER** button so that "Ⓞ" appears in the display window.

To cancel the **TIMER**, press the **TIMER** button so that "Ⓞ" disappears in the display window.

Audio Adjustment

Volume Adjustment

- Press **VOLUME (∧)** button to increase the sound level, or press the **VOLUME (∨)** button to decrease it on the remote control or front panel.

Sound Quality Adjustment

• To activate stereo sound

You can choose between 4 fixed sound impressions.

Select a desired sound mode by using the **EQ.PATT** button.

- FLAT : linear frequency response
- ROCK : more bass, more treble
- POP : less bass, less treble
- CLASSIC : for orchestral music

• Headphone Jack

Connect a stereo headphone plug (ø3.5mm) into the headphone(PHONES) jack.

The speakers are automatically disconnected when you plug in the headphones (not supplied).

MUTE

Press **MUTE** to mute your unit (except OPTICAL OUT). You can mute your unit in order, for example, to answer the telephone, "MUTE" indicator flashes in the display window.

XDSS (Extreme Dynamic Sound System)

Press **XDSS** to reinforce treble, bass and surround effect.

The "XDSS ON" or "XDSS OFF" indicator lights up.

To cancel it press **XDSS** again.

SURROUND

To activate surround mode

You can choose between 3 fixed sound impressions.

Select a desired surround mode by using the

SURROUND (SURR.) button.

SURROUND OFF → SURROUND 1 ON → SURROUND 2 ON



Auxiliary Function

- 1** Connect an auxiliary device i.e. TV or VCR, via the rear mounted AUX audio jacks.
- 2** Press **AUX**.

Presetting the radio stations

You can preset 30 stations for FM and AM. Before tuning, make sure that you have turned down the volume to the minimum.

- 1** Press **FUNCTION** repeatedly (or **TUNER/BAND** on the remote control) until the **FM** or **AM** appears in the display window.
- 2** Press **BAND** to select the **FM** or **AM** you want in the display window.
Every time you press **BAND**, **FM** and **AM** changes alternately.
- 3** Press **TUNING** (|◀◀◀/▶▶▶|) on the front panel until the frequency indication starts to change, then release.
Scanning stops when the unit tunes in a station.

Notes

- **Tuning in automatically**
Press **TUNING** (|◀◀◀/▶▶▶|) for more than 0.5 seconds.
 - **Tuning in manually**
Press **TUNING** (|◀◀◀/▶▶▶|) briefly and repeatedly.
- 4** Press **PROG./MEMO**.
A preset number will flash in the display window.

5 Press **PRESET** (∧/∨) to select the preset number you want.

6 Press **PROG./MEMO** again.
- The station is stored.

7 Repeat steps 3 to 6 to store other stations.

To clear all the memorized stations

Press and hold **PROG./MEMO** for about two seconds, "CLEAR" appears in the display window and then press **CLEAR** on the front panel or **CD STOP** (■) on the remote control, the stations are cleared.

For your reference

If all stations have already been entered, **FULL** message will appear in the display window for a moment and then a preset number will flash. To change the preset number, follow the steps 5-6.

To recall presets

Press and hold **PRESET** (∧/∨) until the desired preset number appears or press it repeatedly.

Listening to the radio

- 1** Press **FUNCTION** repeatedly (or **TUNER/BAND** on the remote control) until the **FM** or **AM** appears in the display window.
The last received station is tuned in.
- 2** Press **PRESET** (∨/∧) on the remote control repeatedly to select the preset station you want.
- Each time you press the button, the unit tunes in one preset station at a time.
- 3** Adjust the volume by pressing **VOLUME** (∨/∧) button repeatedly.

To listen to non-preset radio stations

- Press **TUNING** (|◀◀◀/▶▶▶|) for more than 0.5 seconds.
- Press **TUNING** (|◀◀◀/▶▶▶|) briefly and repeatedly.

To turn off the radio

Press **POWER** to turn the unit off or select another function mode (**CD** or **AUX**).

For your reference

- **If an FM program is noisy**
Press **STEREO/MONO** so that "STEREO" disappears in the display window. There will be no stereo effect, but the reception will improve. Press **STEREO/MONO** again to restore the stereo effect.
- **To improve reception**
Reposition the supplied antennas.

CD Playback

Basic Playback

- 1** Press **FUNCTION** repeatedly to appear CD indicator.
If no disc is loaded then "NO DISC" is displayed.
- 2** Press **CD OPEN/CLOSE** button and place the disc into the disc door.



To load an 8cm(3 inch) disc, put it onto the inner circle of the tray.

- 3** Press **CD OPEN/CLOSE** button to close the disc compartment.
- 4** Press **CD PLAY/ PAUSE** (▶/||) button.

To Pause Play

Press **CD PLAY/ PAUSE** (▶/||) button during playback.

Press this button again it to resume play.

To Stop Play

Press **CD STOP**(■) button during playback.

To Skipping the Track

- Press **CD SKIP/SEARCH** (|◀◀◀/▶▶▶|) button to go to the next track.
- When **CD SKIP/SEARCH** (|◀◀◀/▶▶▶|) button is pressed once midway through a track, the player returns to the start of that track. When it is pressed again, a track is skipped each time the button is pressed.

To Play Fast Rewind or Fast Forward

After pressing and holding **CD SKIP/SEARCH** (|◀◀◀/▶▶▶|) button on the front panel or the remote control during playback and then release at the point you want.

To Repeat Play

To play one track repeatedly

Press **REPEAT** once during playback.
- "RPT 1" appears in the display.

To play all tracks repeatedly

Press **REPEAT** again during playback.
- "REPEAT ALL" appears in the display.

To cancel repeat play

Press **REPEAT** once more during playback.
- "Repeat indicator" disappears.

To Program Play

You can arrange the order of the tracks on the discs and create your own program. The program can contain up to 20 tracks.

- 1** Press **PROG./MEMO** on the remote control on the stop mode.
- 2** Press **CD SKIP/SEARCH** (|◀◀◀/▶▶▶|) button to select the track you want.
- 3** Press **PROG./MEMO** on the remote control.
- 4** Repeat steps 1-3.
- 5** Press **CD PLAY/ PAUSE** (▶/||) button.

To check program contents

Press **PROG./MEMO** on the remote control on the stop mode.

- A track and program number will be displayed.

To clear program contents

Press **PROG./MEMO** on the remote control on the stop mode. And then press **CLEAR** on the front panel or **STOP**(■) on the remote control.

To add program contents

1. Press **PROG./MEMO** on the remote control repeatedly on the program stop mode until "Track Number" blinks.
2. Repeat steps 2-5.

To modify program contents

1. Press **PROG./MEMO** on the remote control to display program number you want to modify.
2. Repeat steps 2-4.

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No power.	<ul style="list-style-type: none"> The power cord is disconnected. 	<ul style="list-style-type: none"> Plug the power cord into the wall outlet securely.
No sound.	<ul style="list-style-type: none"> The audio cables are not connected securely. 	<ul style="list-style-type: none"> Connect the audio cable into the jacks securely.
	<ul style="list-style-type: none"> The power of the external source equipment is switched off. 	<ul style="list-style-type: none"> Turn on the equipment connected with the audio cable.
	<ul style="list-style-type: none"> The speaker cable is set to the wrong position. 	<ul style="list-style-type: none"> Set the speaker cable to the correct position, then turn on the unit again by pressing POWER.
The unit does not start playback.	<ul style="list-style-type: none"> No disc is inserted. 	<ul style="list-style-type: none"> Insert a disc.
	<ul style="list-style-type: none"> An unplayable disc or tape is inserted. 	<ul style="list-style-type: none"> Insert a playable disc or tape.
	<ul style="list-style-type: none"> The disc is placed upside down. 	<ul style="list-style-type: none"> Place the disc with the playback side down.
	<ul style="list-style-type: none"> The disc is not placed within the guide. 	<ul style="list-style-type: none"> Place the disc on the disc tray correctly inside the guide.
	<ul style="list-style-type: none"> The disc is dirty. 	<ul style="list-style-type: none"> Clean the disc.
The remote control does not work properly.	<ul style="list-style-type: none"> The remote control is not pointed at the remote sensor of the unit. 	<ul style="list-style-type: none"> Point the remote control at the remote sensor of the unit.
	<ul style="list-style-type: none"> The remote control is too far from the unit. 	<ul style="list-style-type: none"> Operate the remote control within about 23 ft (7 m).
	<ul style="list-style-type: none"> There is an obstacle in the path of the remote control and the unit. 	<ul style="list-style-type: none"> Remove the obstacle.
	<ul style="list-style-type: none"> The batteries in the remote control are exhausted. 	<ul style="list-style-type: none"> Replace the batteries with new ones.

Specifications

[General]	Power supply	Refer to the back panel of the unit.		
	Power consumption	40W		
	Mass	3.4kg		
	External dimensions (W x H x D)	330 x 77 x 210 mm		
[CD]	Frequency response	40 - 18,000 Hz		
	Signal-to-noise ratio	70 dB		
	Dynamic range	70 dB		
[Tuner]	FM	Tuning Range	87.5 - 108.0 MHz	
		Intermediate Frequency	10.7 MHz	
		Signal to Noise Ratio	61/58 dB	
		Frequency Response	60 - 10,000 Hz	
	AM (MW)	Tuning Range	522 - 1,611 kHz or 530 - 1,610 kHz	
		Intermediate Frequency	450 kHz	
		Signal to Noise Ratio	35/31 dB	
		Frequency Response	100 - 2,000 Hz	
[Amp]	Output Power	20W + 20W		
	T.H.D	0.15%		
	Frequency Response	42 - 25,000 Hz		
	Signal-to-noise ratio	80 dB		
[Speakers]	Model	FE-S198E/FE-S197E	FE-S198AWE	
	Type	Bass Reflex 2 Way 2 Speaker System	Active Subwoofer/ Bass Reflex 1 Way 1 Speaker System	
	Impedance	6 Ω	4 Ω	
	Frequency Response	100-20,000 Hz	45-250 Hz	
	Sound Pressure Level	83 dB/W (1m)	88 dB/W (1m)	
	Rated Input Power	20 W	50W	
	Max. Input Power	40 W	100 W	
	Net Dimensions (W x H x D)	126 x 311 x 142.5 mm	230 x 311 x 267 mm	
	Net Weight	1.0 kg	6.20 kg	

* Designs and specifications are subject to change without notice.



P/NO : 3828R-D028D