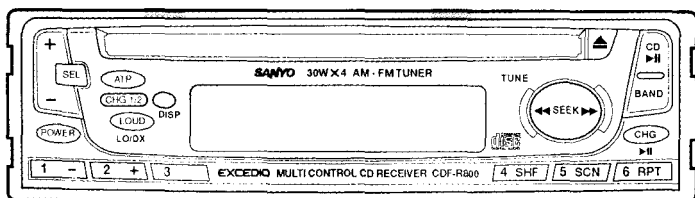

CDF-R800

**Multi Control CD Receiver
(CD Changer Controller, FM/AM Tuner,
CD Deck Amplifier)**



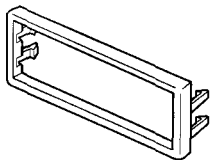
Introduction

Thank you for purchasing the CDF-R800. This unit has many features, including:

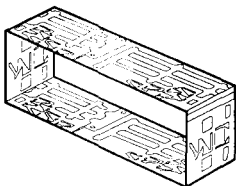
- 8 cm / 12 cm CD Compatible
- Scan Play, Repeat play, Shuffle Play
- PLL Synthesizer AM/FM/FM Stereo Radio with Clock
- 12-FM plus 6-AM Preset
- Auto Travel Preset (ATP)
- Built in CD Changer controller
- Full Logic Control Mechanism
- Electronic Audio Control
- High power Output (30W x 4)

In order to enjoy the features to their fullest and keep the unit in good working order for a long time, read this manual thoroughly and keep it for future reference.

Accessories



Mounting bracket
x 1



Trim panel
x 1



Removing levers
x 2

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For safe and efficient operation

- This unit is designed to operate on + 12 volt DC negative ground electrical systems only.
- According to this manual, install and operate the unit. If you are not confident in your ability to install the unit correctly, have it installed by a professional mobile electronics installation technician.
- Do not try to open the unit nor to repair it yourself. If servicing is required, return the unit to an authorized SANYO mobile audio dealer.
- When clean out the car, be sure not to get any water on the unit because it can be damaged.
- Never put any other object in the Disc slot. The inside of the unit is precision equipment that could be damaged by any foreign objects.
- For safe driving;
Keep the sound low enough to enable you to hear outside sound when driving. Do not exchange the CDs, adjust the volume, nor any other operation which disturbs your safe drive, when driving.
- When not using the unit, do not forget to remove the CD. Do not leave the ejected CD sitting on the edge of the unit for a long time. This can expose the CD to direct sunlight and other causes of warping. Keep the disc away from direct sunlight.
- This unit plays an 8 cm CD just like a 12 cm CD without an adapter. Do not use an 8 cm CD Adapter. Using a 8 cm CD Adapter will result in a mal function.
- Temperature
The unit may not operate correctly in extremely hot or cold temperature. If this should happen, stop using the unit until the temperature becomes normal.
The unit is equipped with a built in self protection circuit. When the temperature inside the unit goes above the reference temperature, the protection circuit automatically stops the play and ejects the CD. In this case, open the window to cool off the car, then start up the unit again.
- Condensation
Moisture can condense on the optical lens of the unit during rainy and humid days, or right after the heater is turned on in the car. If this should happen, the unit cannot read the CD and therefore cannot function properly. To remedy the situation, remove the CD from the unit and wait until the condensation evaporates (approximately one hour).

- Sound skip

When you are driving on a rough road, sound may sometimes be skipped. It is inevitable and will not cause any damage, disc scratch, e.t.c.

- Cleaning

Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.

Before use

Handling the CDs

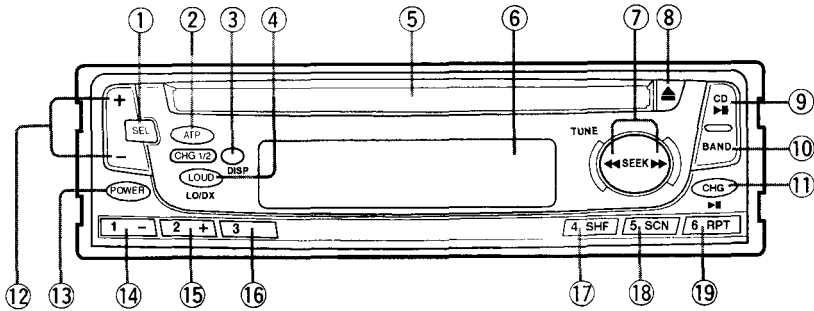
Dirt, dust, scratches and warpage cause sound skips during playback and a deterioration of sound quality. How to take care of your discs:

- Use compact discs that have the mark shown on the right.



- Fingerprints and dust should be carefully wiped off the disc's signal surface (glossy side) with a soft cloth. Unlike conventional records, the compact disc has no grooves to collect dust and microscopic debris, so gently wiping with a soft cloth should remove most particles. Wipe in a straight motion from the inside to the outside of the disc. Small dust particles or light stains will have absolutely no effect on reproduction quality.
- Never use such chemicals as record sprays, antistatic sprays or fluids, benzene or thinner to clean compact discs. Such chemicals would irreparably damage the disc's plastic surface.
- Disc should be put back in their cases **after use** to avoid serious scratches that could cause the sound skip.
- Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods of time. Long exposure to high temperatures can warp the disc.
- Do not stick paper or write anything with a ball-point pen on the disc surface.

Location and function of control



Before use

General operation

- ① Audio control mode select button
- ③ Display select button
- ④ Loudness button
- ⑥ Display
- ⑫ Audio control button
- ⑬ Clock adjust button
- ⑬ On/Off button

CD operation

- ⑤ Disc slot
- ⑦ Track / Skip button
- ⑧ Eject button
- ⑨ CD mode select button
- ⑨ Play/Pause button
- ⑬ Shuffle button
- ⑭ Scan button
- ⑮ Repeat button

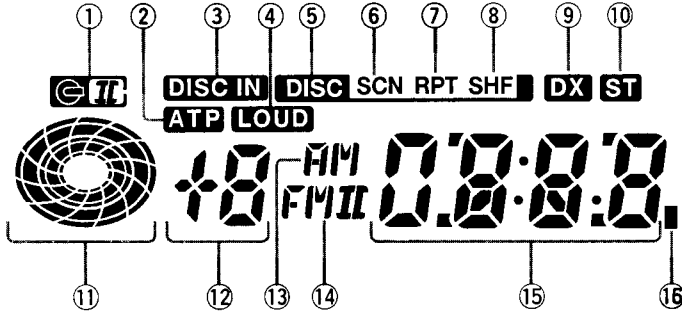
Radio operation

- ② Auto travel preset button
- ④ LO / DX button
- ⑦ Tuning button
- ⑩ Radio mode select button
- ⑩ Band select button
- ⑭ ~ ⑰ Preset buttons

Changer operation

- ② Changer select button
- ⑦ Track / Skip button
- ⑪ Changer mode select button
- ⑪ Play / Pause button
- ⑭ ~ ⑮ Disc select buttons
- ⑬ Shuffle button
- ⑭ Scan button
- ⑮ Repeat button

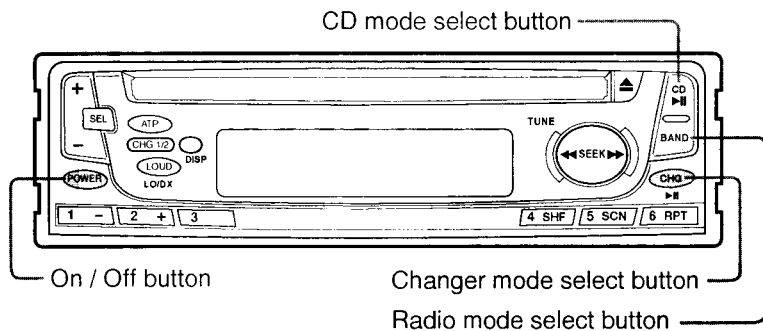
Digital display






Before use




- | | |
|---|--|
| <ul style="list-style-type: none"> ① Changer No. indicator (Changer) ② Auto travel preset indicator (Radio) ③ Disc set indicator (CD) ④ Loudness indicator (Radio) ⑤ This indicator appears during Disc Scan / Disc Repeat / Disc Shuffle operation. (Changer) ⑥ Scan indicator (CD / Changer) ⑦ Repeat indicator (CD / Changer) ⑧ Shuffle indicator (CD / Changer) ⑨ DX indicator (Radio) ⑩ Stereo indicator (Radio) ⑪ Playing indicator (CD / Changer) | <ul style="list-style-type: none"> ⑫ ● Audio level (Audio control) ● Disc No. (CD / Changer) ● Preset No. (Radio) ⑬ AM band indicator (Radio) ⑭ FM band I / II indicator (Radio) ⑮ ● Audio mode [VOL/BAS/TRE/BAL/FAD] (Audio control) ● Clock ● Track No. (CD / Changer) ● Frequency (Radio) ⑯ ● This indicator flashes on every 1 second. (Clock) ● This indicator stands for "50 kHz". (FM band of Radio) |
|---|--|

Power On / Off




To turn on the unit

Press one of the following mode select buttons ( ,  , ).

- To play a CD ; Press CD mode select button (). ⇨ See page 12.
(A CD must be inserted in the unit.)
- To listen to the radio ; Press Radio mode select button (). ⇨ See page 14.
- To operate CD Changer ; Press Changer mode select button (). ⇨ See page 17.
(An optional SANYO CD Changer, FXD-C300 (10-disc), FXD-C600 (6-disc) or FXD-C100 (6-disc) must be connected.)

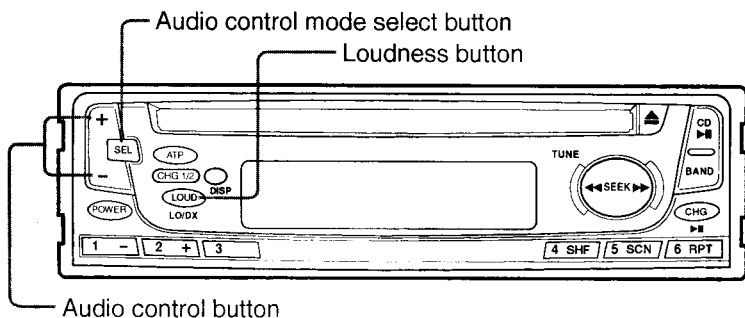
Notes:

- You can turn on the unit by pressing the On / Off button (), too. In this case, the mode (CD / Radio / Changer) is the selected one before you turned it off.
- When you insert a CD into the Disc slot, CD play will start automatically.
- Press the mode select button of your desired mode to switch immediately to the mode.

To turn off the unit

Press the On / Off button ().

Audio Control



• VOL (Volume) control

Press the () side of the Audio control button to increase, or the () side to decrease the volume level. During adjustment, [VOL] appears on the display.

• BAS (Bass) / TRE (Treble) / BAL (Balance) / FAD (Fader) control

- ① Pressing the Audio control mode select button (), select the desired mode. With each press, the mode shifts to the next setting. See below.
- ② Pressing the () or () side of the Audio control button, adjust the level.

Note:

- Adjust the Bass, Treble, Balance or Fader within 5 seconds after selecting the Audio control mode (the selected mode indicator appears on the display). If no mode indicator appears on the display, pressing the () or () side of the Audio control button will adjust the volume.

Hint:

- Press and hold the audio control button to change the level quickly.

Mode shift	Press .	Press .	Display
BAS (Bass)	To decrease	To increase	-7 ~ 7
TRE (Treble)	To decrease	To increase	-7 ~ 7
BAL (Balance)	To the left speaker	To the right speakers	0 ~ 9
FAD (Fader)	To the rear speaker	To the front speakers	0 ~ 9
VOL (Volume)	To decrease	To increase	0 ~ 19

Note:

- With each press, the level changes. But the Audio level shown on the display does not change with every press. Use it to know the rough level.

• Loudness (LOUD)

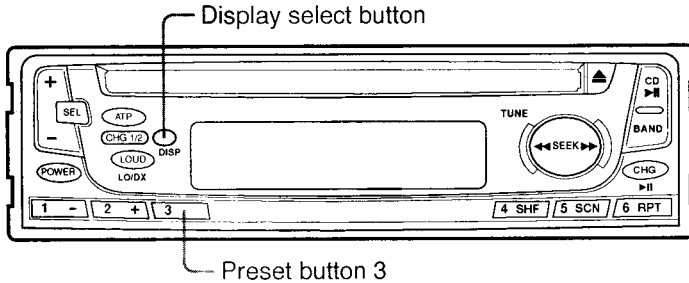
Press the Loudness button () to emphasize the Bass and Treble range at low listening level. [LOUD] appears on the display. To cancel the mode, press the button again.

Selecting a prior display



You can choose Clock display or Mode display as prior display.

When you choose Clock display, time is shown on the display at all times.

When you choose Mode display, the display corresponds to the current mode (CD / Radio / Changer).




How to select

While holding down the Display select button (), press the Preset button 3 (). With each press, the prior display shifts .

Notes:

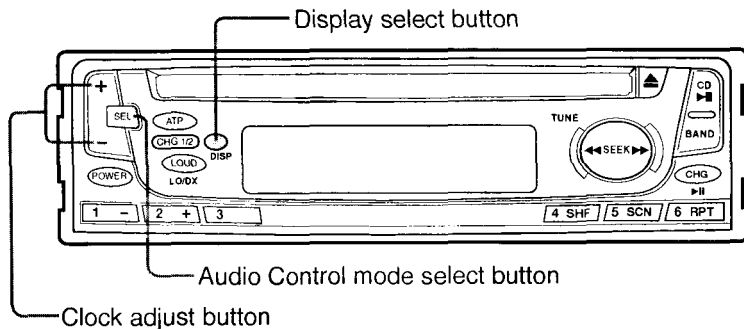
- While adjusting the audio, the audio level is shown.
- When the volume level is "0", [0 VOL] is shown.

To show the other display for a moment

Press the Display select button (). The other display will be shown for about 5 seconds.

Clock operation

The following operations are effective while the power is on. Though the Clock display is shown when the power is off, you can not adjust nor set the time.







General operation


To adjust the time


1. See that the Clock display is shown.

Hint:

- If the Clock display is not shown, press the Display select button () to show the Clock display for a moment (about 5 seconds).

2. While holding down the Display select button (), press the () or () side.

To set hour digits : Press () side.

To set minute digits : Press () side.

Hint:

- Press and hold the button to advance the time quickly.

Notes:

- This is a 12-hour clock.
- The clock setting is retained when the power is turned off.

To set the time to the nearest half-hour

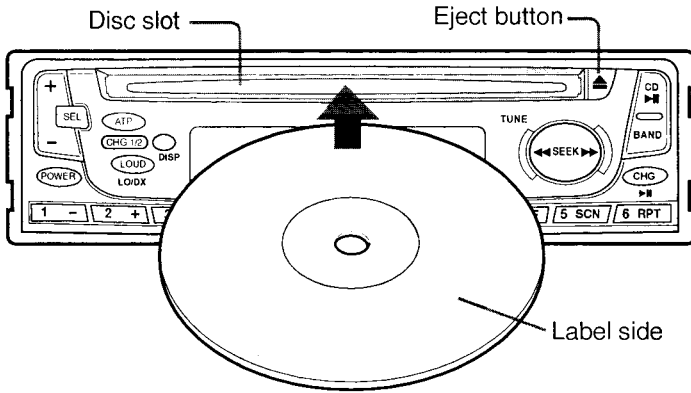
While holding down the Display select button (), press the Audio control mode select button ().

The time is set as follows:

EX. 10 : 00 ~ 10 : 29 ⇨ 10 : 00

10 : 30 ~ 11 : 00 ⇨ 11 : 00

How to load, play, remove a CD



How to load and play a CD

1. Insert a CD into the Disc slot with the label side facing up.
The Disc set indicator [DISC IN] will appear and CD play will begin.

Notes:


- When you insert a disc, make sure that the label side is up. If the CD is placed upsidedown, [E : 07] will appear and the unit will eject the CD automatically.
- Do not insert another CD when the Disc set indicator [DISC IN] is shown. Because the Disc slot can accommodate only one CD.
- You can not insert a CD when the ACC is off.
- Do not use an 8 cm CD Adapter. The unit plays 8 cm CD just like a 12 cm CD without an adapter.

2. Adjust the volume and tone quality. (See page 8 "Audio control".)

Hint:

- After the whole CD has been played, play will start again from the beginning of the first track.

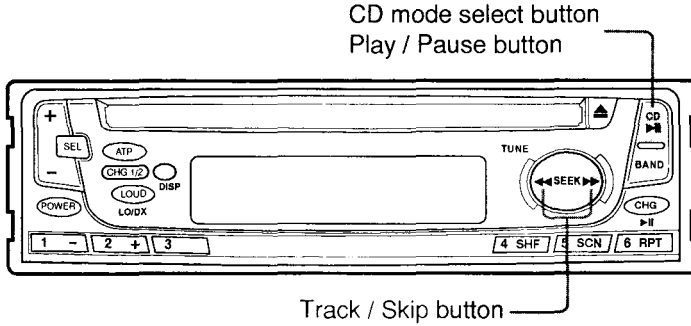
How to remove a CD

Press the Eject button ().


Hints:

- When you insert the CD into the Disc slot again, play starts from the beginning of the first track.
- When you turn on ACC after having turned it off during CD play, the unit starts CD play from the point at which you stopped the play by turning ACC off.

CD mode select button, Pause, Selecting a track, Skipping




CD mode select button

Press the CD mode select button () to switch immediately to CD mode from other mode (Radio, Changer, Power off mode).

Note:

- This button is not effective when a CD has not been inserted in the unit.




Pause




Press the Play/Pause button () during CD play to stop CD play temporarily. To resume play from the point at which play was stopped, press the button again.

Note:




- If the unit is left in the Pause mode for more than 5 minutes, the power will switch off automatically.



Selecting a track

Pressing the () or () side of the Track / Skip button (), select a track.

Desired Track	Press this side.
Next Track	
Current Track (from the beginning)	
Preceding Track	 (twice successively)

Skipping

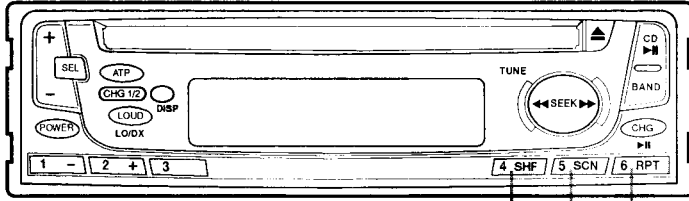
Press and hold the () or () side of the Track / Skip button () for 1.5 seconds or more to advance quickly in the forward or backward direction. When the button is released, this function stops.

Direction	Press this side.
Forward (Cue)	
Backward (Review)	

Note:

When it reaches to the end or the beginning of the disc, the unit enters Pause mode.

Scan, Repeat, Shuffle



Shuffle button
Scan button
Repeat button

CD operation

Scan

Press the Scan button (**5 SCN**) to play the first 10 seconds of each track.
To cancel the mode, press the button again, or the unit continues Scan play endlessly.

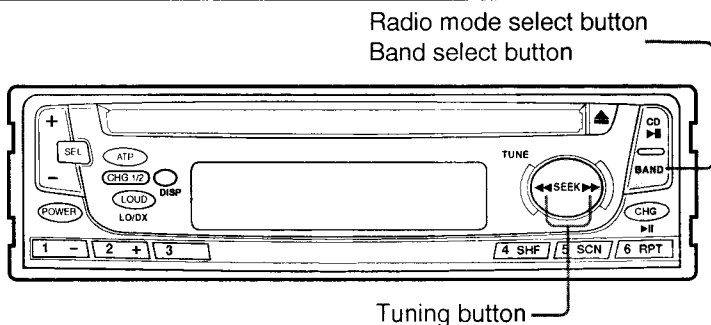
Repeat

Press the Repeat button (**6 RPT**) to repeat the track currently playing.
To cancel the mode, press the button again, or the unit continues Repeat play endlessly.

Shuffle

Press the Shuffle button (**4 SHF**) to play the tracks on the disc in random order.
When all the tracks have been played, they will be played again in a different order.
To cancel the mode, press the button again, or the unit continues Shuffle play endlessly.

How to turn on the radio and select a band, Tuning



How to turn on the radio and select a band

1. Press the Radio mode select button () to turn on the radio.
2. Adjust the volume and tone quality. (See page 8 "Audio control".)
3. Pressing the Band select button (), select the desired band.

With each press, the band shifts as follows.

→ FM1 → FM2 → AM

Tuning There are 2 types as follows.

Auto (Seek) tuning The unit will tune up or down in frequency and stop on the next strong station. (The tuning normally operates in the auto mode.)

Press the () or () side of the Tuning button ().

To tune up	Press the () side for less than 0.7 seconds.
To tune down	Press the () side for less than 0.7 seconds.

Manual tuning With each press, the frequency will shift up or down by 50 kHz (FM) or 9 kHz (AM).

1. Press and hold the () or () side of the Tuning button () for 0.7 seconds or more to switch to the manual tuning mode. The frequency indicator will flash on and off.

Note:

It returns to Auto (Seek) tuning mode if the Tuning button is not pressed within 5 seconds after it becomes Manual tuning mode.

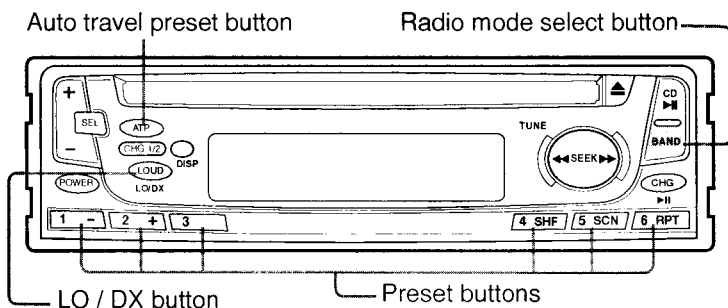
2. Press the () or () side of the Tuning button () when the frequency indicator flashes on and off.

To tune up	Press the () side.
To tune down	Press the () side.


Hint:

- Press and hold the button to change the frequency quickly.

LO / DX button, Radio mode select button, Presetting stations



LO / DX button (Selecting seek sensitivity of Auto tuning)

Press the LO / DX button () for 1.5 seconds or more to select the desired seek sensitivity.

With each press, [DX] indicator appears and disappears.

To receive local stations with strong signals, make the [DX] indicator disappear.

To receive distant stations with weaker signals, make the [DX] indicator appear.

Radio mode select button

Press the Radio mode select button () to switch immediately to Radio mode from other mode (CD, Changer, Power off mode).

Presetting stations There are 2 types as follows.

Manual preset 6 stations can be preset on each band (FM1, FM2, AM).

How to preset


1. Select the desired band (FM1, FM2, AM) and tune to the station to be memorized.
2. Press the desired preset button for 1.5 seconds or more.
3. To preset additional stations, repeat procedure 1 and 2.

How to recall

Select the desired band and press the desired preset button.

Auto travel preset The unit will scan the selected band (FM or AM) and memorize the 6 strongest stations.


How to preset

1. Select the desired band (FM or AM).
2. Press the Auto travel preset button () until the [---] indicator appears (for about 1.5 seconds). The indicator [ATP] will flash on and off. The unit will scan the band for the strongest 6 stations and automatically memorize them. Scanning will stop and the first memorized station will be heard.

Notes:

- If all stations are weak, none may be memorized. If this should occur, [000] will appear on the display. The station received last will be selected.
- If there are fewer than 6 receivable stations, the unit will memorize all the receivable stations, then the first memorized station will be selected.

How to recall

Select the desired band and press the Auto travel preset button () for less than 0.5 seconds. Each time the button is pressed, the remaining ATP station will be selected in the order they were memorized.

Before operation

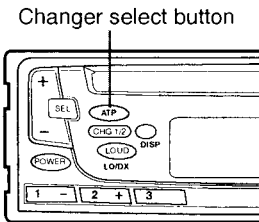
Preparation



1. According to this manual, connect a compatible SANYO CD Changer (FXD-C300, FXD-C600, FXD-C100) to this unit.
2. According to the manual of CD changer, load discs into magazine and install the magazine to the CD changer.

Hint:

- You can connect a second CD Changer. (See below. "Changer select button")

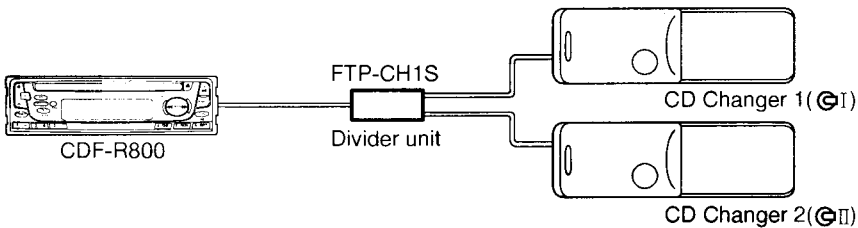
Changer select button



Using a separately available SANYO Divider unit (FTP-CH1S), a second CD Changer can be connected. When you connect two CD Changers, select the desired CD Changer with this button. With each press, the Changer No. indicator [ I ,  II] changes.

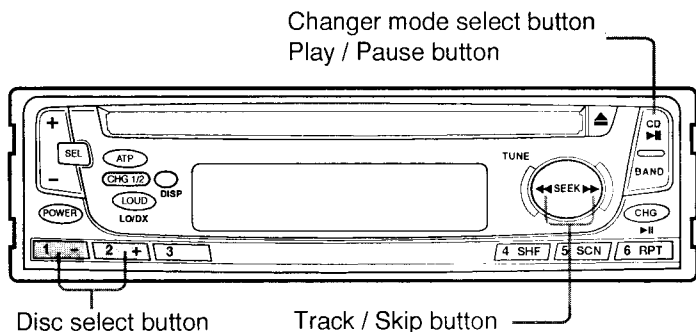
Notes:

- According to the manuals of CD changers and Divider unit, set the ID switches of CD changers beforehand.
- This button is not effective when only one CD changer is connected.



How to play CDs, Pause, Selecting a disc / track

A compatible SANYO CD Changer must be connected.



How to play CDs

1. Press the Changer mode select button (**CHG**) to switch immediately to Changer mode from other mode (Radio, CD, Power off mode).
2. Adjust the volume and tone quality. (See page 8 "Audio control".)

Hint:

- When the CD Changer is used for the first time, or when the CD magazine has been changed, play will begin from the first track of the first disc.

Pause

Press the Play / Pause button (**CHG**) during play to stop the play temporarily. To resume play from the point at which play was stopped, press the button again.

Note:

- If the unit is left in the Pause mode for more than 5 minutes, the power will switch off automatically.

Selecting a disc

Press one of the Disc select buttons (**1 -** , **2 +**) to select a disc.

Desired Disc	Press this button.
Next disc	2 +
Preceding disc	1 -

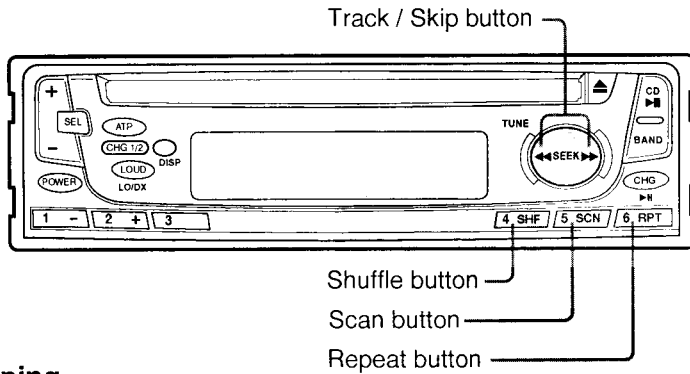
Selecting a track

Pressing the (**◀**) or (**▶**) side of the Track/Skip button (**SEEK**), select a track.

Desired Track	Press this side.
Next Track	▶▶
Current Track (from the beginning)	◀◀
Preceding Track	◀◀ (twice successively)

Skipping, Scan, Repeat, Shuffle

A compatible SANYO CD Changer must be connected.



Skipping

Press and hold the (◀▶) or (▶▶) side of the Track/Skip button (SEEK) for 1.5 seconds or more to advance quickly in the forward or backward direction. When the button is released, this function stops.

Direction	Press this side.
Forward (Cue)	▶▶
Backward (Review)	◀◀

Note:

When it reaches to the end or the beginning of the disc, the unit enters Pause mode.

Scan

Press the Scan button (5 SCN) to play the first 10 seconds of each track on the currently selected disc. To cancel the mode, press the button again, or the unit continues Scan play endlessly.

Note:

Be sure to press the button for less than 1.5 seconds when you cancel the mode, or Disc Scan will begin.

Repeat

Press the Repeat button (6 RPT) to repeat the track currently playing. To cancel the mode, press the button again, or the unit continues Repeat play endlessly.

Note:

Be sure to press the button for less than 1.5 seconds when you cancel the mode, or Disc Repeat will begin.

Shuffle

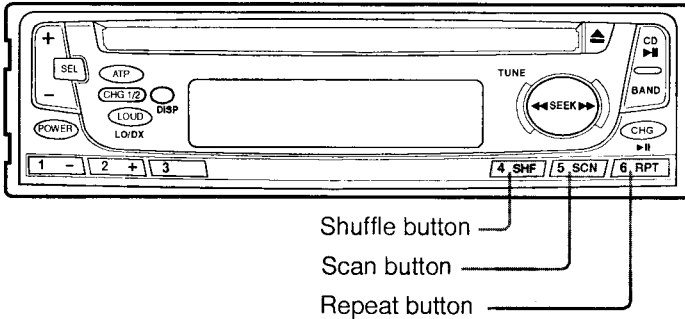
Press the Shuffle button (4 SHF) to play the tracks on the currently selected disc in random order. When all the tracks have been played, they will be played again in a different order. To cancel the mode, press the button again, or the unit continues Shuffle play endlessly.

Note:

Be sure to press the button for less than 1.5 seconds when you cancel the mode, or Disc Shuffle will begin.

Disc Scan, Disc Repeat, Disc Shuffle

A compatible SANYO CD Changer must be connected.



Disc Scan

Press the Scan button (**5 SCN**) for 1.5 seconds or more to play the first 10 seconds of the first track on each disc.

To cancel the mode, press the button again, or the unit continues Disc Scan play endlessly.

Disc Repeat

Press and hold the Repeat button (**6 RPT**) for 1.5 seconds or more to repeat the disc currently playing.

To cancel the mode, press the button again, or the unit continues Disc Repeat play endlessly.

Disc Shuffle

Press the Shuffle button (**4 SHF**) for 1.5 seconds or more to select a disc at random and play all the tracks on the disc in random order. When all the tracks have been played, the next disc is selected at random and all the tracks on that disc are played in random order. The unit repeats this procedure endlessly.

To cancel the mode, press the button again.

Error and Status indications

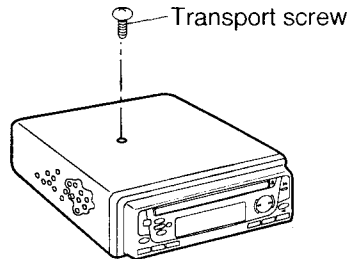
The following Error or Status indications may be displayed while operating the unit or CD Changer.

Indication	Cause	Remedy
<i>E : 01</i>	Abnormal disc change function (CD Changer only)	Contact your place of purchase.
<i>E : 07</i>	The disc is inserted upsidedown.	Take out the disc and insert it with label side facing up.
	The disc is dirty.	Clean the disc.
<i>E : 30</i>	Excessive temperature in this unit or CD Changer is detected.	Allow the car and / or the CD Changer location to cool. The indication disappears when the temperature decreases.
<i>---</i>	Magazine is not fully inserted into the CD Changer. (CD Changer only)	Completely insert the magazine into the changer until it clicks in place.
<i>000</i>	There are no discs in the magazine. (CD Changer only)	Insert the discs into the magazine.
<i>2--</i>	There is not a disc in the slot No. 2 (CD Changer only)	The indication disappears when you insert a disc into the slot No.2.

Before Wiring and Installation

General

- This unit is designed to be operated on + 12 volt DC negative ground electrical systems. The unit cannot be operated on + 24 volt or positive ground electrical systems.
- According to this manual, wire and install the unit. If you are not confident in your ability to install the unit correctly, have it installed by a professional mobile electronics installation technician.
- Remove a transport screw and make all electrical connections before installing the unit.



Error and Status Indication / Before Wiring and Installation

Wiring

- Be sure to turn off the ignition and remove the negative (–) battery cable, prior to wiring.

Note:

When you remove the negative (–) battery cable, all the equipments supplied by the car battery (Clock, on-board drive or navigation computer, e.t.c.) may stop working or lose their memory.

- Connect the power leads (Red and Yellow) after all other connections have been made.
- Be sure to locate the wiring away from the Shift lever, Hand brake, Seat rail, e.t.c.
- Keep the leads away from the areas subject to high temperatures, such as near the heater outlets.

Speaker wiring

- Be sure to observe the wiring polarity (+) and (–) to ensure that the speakers are connected correctly.
- The impedance of the speakers should be 4 ~ 8 Ω.
- Do not connect any speaker wires to the metal body or chassis of the vehicle. Connect each speaker wire directly to each speaker terminal.
- Do not use the speaker wires supplied inside the vehicle unless you are sure that there are separate positive and negative leads for each speaker.

Location for installation

Do not install the unit in the following locations :

- Where it may disturb driving
- Where it may place the passenger in danger
- Where it interferes with the opening and closing of glove box or ash tray
- In dusty locations
- Near magnetic fields
- Where hot air is discharged from the car heater or where it is exposed to direct sunlight
- Where rain can enter the unit, or where it may be exposed to high humidity

Installation of the unit

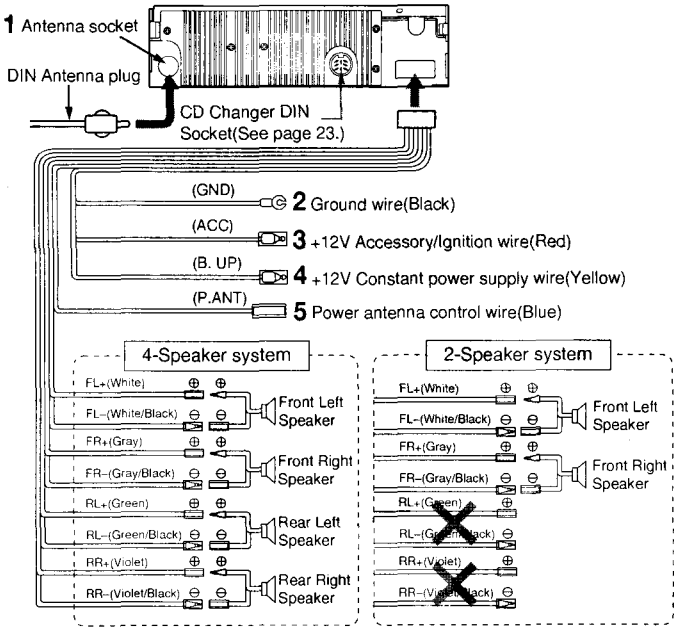
- Mount the unit firmly in place to prevent shaking.
- Inclination angle:
Install the unit as close to a horizontal position as possible. If the unit must be inclined, the angle should be 30° or less.
- Be sure to use the supplied accessories for installation.
- Do not use any of the screws that are part of the brake or steering system, to install the unit.
- Be careful not to snag any wires.
- When drilling the dashboard, make sure there is nothing behind it beforehand.

When wiring and installation is finished

Make sure that all the electrical equipment (break lamps, lights, horn, flasher, wipers, e.t.c.) operate normally.

Wiring

General



1. Antenna socket

Insert the DIN Antenna plug installed in your vehicle into this socket.

2. Ground wire (Black)

Connect this wire to the vehicle chassis.

3. + 12V Accessory/Ignition wire (Red)

Connect this wire to a terminal that receives power while the ignition switch is ON or in the Accessory (ACC) position.

Never connect the wire to the car battery directly or the car battery may be drained.

Note:

If the vehicle does not have an ACC terminal, connect this wire to a terminal which receives 12V power while the ignition switch is On, and stands 4A or more of electric current.

4. + 12V Constant power supply wire (Yellow)

Connect this wire to + 12V power terminal that receives power continuously, and stands 4A or more of electric current .

Note:

Both of the + 12V Accessory/Ignition wire (Red) and the + 12V Constant power supply wire (Yellow) should be connected to their respective terminals to operate the unit.

5. Power antenna control wire (Blue)

Connect this wire to the control terminal of Power antenna. When not using a Power antenna, this wire is not used.

Notes:

- The Fader control will have no effect on the output when using a two speaker installation. Under this condition, set the Fader control to the "0" position.
- When not using a Power antenna, cover the end of the Power antenna control wire (Blue) with electrical tape, to prevent it from shorting to the unit or the vehicle chassis.

How to connect CD Changer(s)

The CDF-R800 has a built-in CD Changer controller. You can upgrade your vehicle system by adding of up to two compatible SANYO CD Changers.

Note:

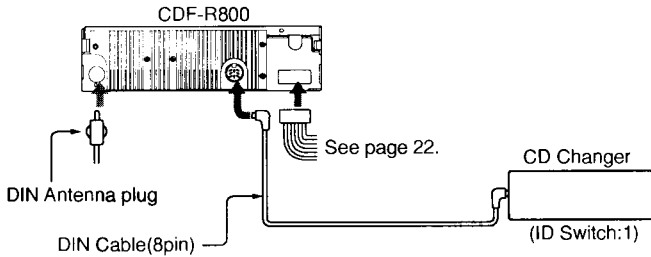
When connecting the CD Changer(s), read the manuals of the CD Changer(s) and the Divider unit as well as this manual.

When connecting a CD Changer

Connect the end of DIN cable (8 pin), which is supplied with the SANYO CD Changer, to the CD Changer DIN socket of CDF-R800, and connect the other end to the CD Changer.

Note:

The ID Switch of CD changer should be set to "1" position

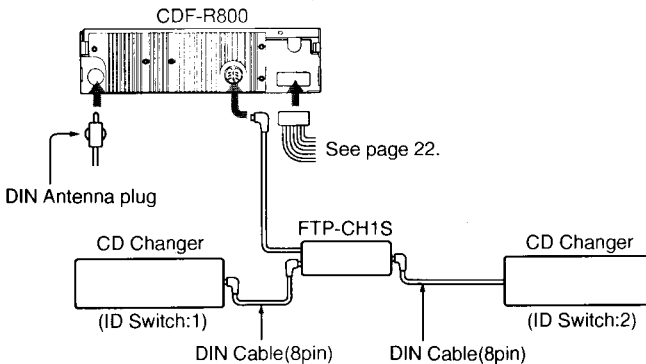


When Connecting two CD Changers

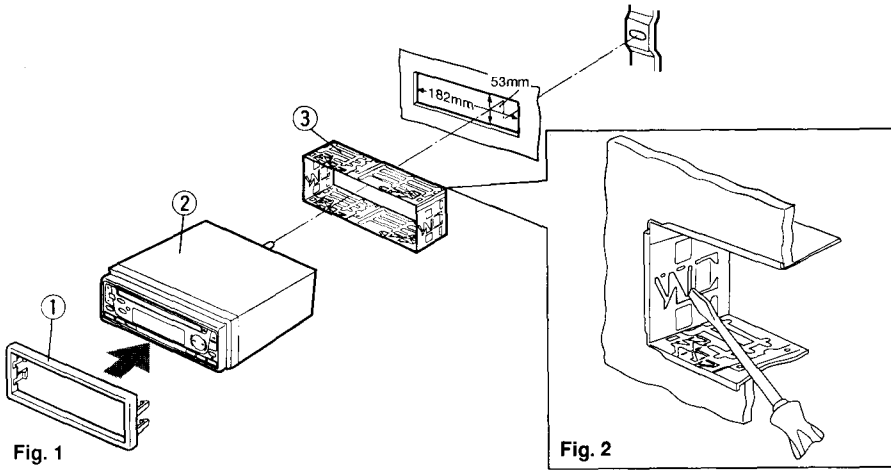
A separately available SANYO Divider unit (FTP-CH1S) is necessary to connect two CD Changers. As to the details, follow the manual of Divider unit.

Note:

Set the ID Switches of CD changers to "1" or "2" position respectively.

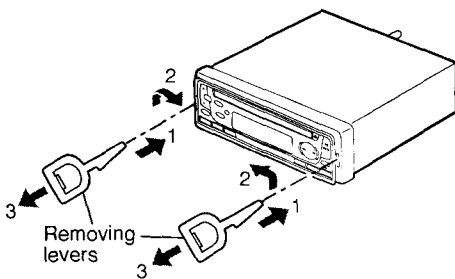


Installation



1. Install the supplied trim panel (Fig. 1-①) to the unit (Fig. 1-②).
2. Insert the supplied mounting bracket (Fig.1-③) into DIN-standard Cutout 182 x 53mm in the dashboard or a console.
3. Bend the stoppers of the mounting bracket to the outside until the bracket is tightened in the cutout. (Fig.2)
4. Insert the unit into the mounting bracket until it locks in place.

Unit removal



1. Insert the supplied removing levers into the two holes provided on each side of the trim panel.
2. Move the tips of levers upward, and press them against the unit. Make sure a distinctive clicking is heard.
3. Pull the levers to remove the unit.

Troubleshooting

An error made in operation or an error during installation can be mistaken for a system malfunction. Check below before contacting your Authorized SANYO Service Station.

Symptom	Cause	Remedy
No power	The power wires are not connected correctly.	Check the connections of the + 12V Accessory / Ignition wire (Red) and the + 12V Constant power supply wire (Yellow).
No sound	The speakers are not wired correctly.	Check the speaker wiring connections.
	The volume level is too low.	Increase the volume level. (See page 8 "Audio control".)
A CD cannot be loaded.	There is another CD in the unit.	Eject the CD and then insert the next CD.
	Transport screw is still in place.	Remove a transport screw on the top of unit. (See page 20 "Before Wiring and Installation".)
The unit ejects the CD.	Transport screw is still in place.	Remove a transport screw on the top of unit. (See page 20 "Before Wiring and Installation".)
	Extremely dirty CD	Clean the CD. (See page 4 "Handling the CDs".)
	Extremely hot temperature	Open the window and allow the car to cool.
	Moisture condenses on the optical lens.	Wait for a while, until the condensation evaporates.
Sound skip while playing a CD:	Improper installation	Install the unit properly. (See page 24 "Installation".)
	The CD is defective.	Compare the sound with another CD. If the sound from the second CD is acceptable, the first CD is defective.
	Dirty CD	Clean the CD. (See page 4 "Handling the CDs".)
Poor sound while playing a CD.	The CD is defective.	Compare the sound with another CD. If the sound from the second CD is acceptable, the first CD is defective.
	Dirty CD	Clean the CD. (See page 4 "Handling the CDs".)
	Moisture condenses on the optical lens.	Eject the CD and wait for a while, until the condensation evaporates.

Symptom	Cause	Remedy
Poor reception in Radio mode	The antenna is not connected completely.	Insert completely the DIN Antenna plug installed in your vehicle into the antenna socket of the unit. (See page 22 "Wiring".)
	The antenna is not extended fully.	Extend the antenna fully.
The tuner does not stop on stations when using the auto tuning.	The radio signals are weak.	Use the manual tuning. (See page 14 "Tuning".)
No sound from the front / rear speaker	The Fader level is adjusted incorrectly.	Adjust the Fader level correctly. (See page 8 "Audio control".) * When using a two speaker installation, set the Fader level to the "0" position.

Note:

Never try to open the unit nor repair it yourself. If servicing is required, return the unit to an authorized SANYO mobile audio dealer.