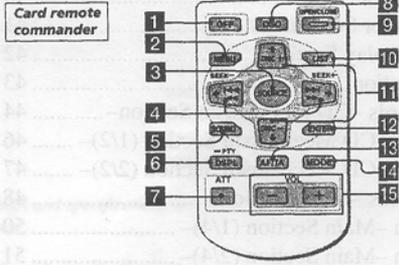


SECTION 1 GENERAL

This section is extracted from instruction manual.

CDX-M600R

Location of controls

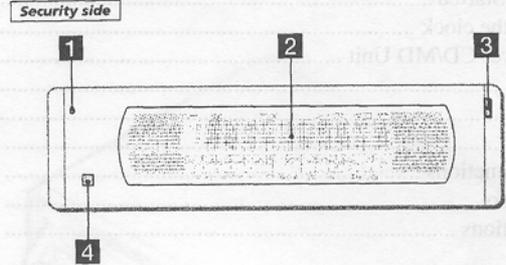


Refer to the pages listed for details.

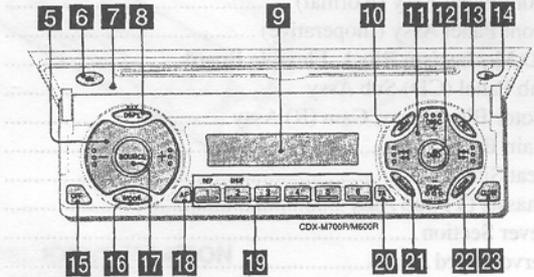
- 1 OFF button 8, 10
- 2 MENU button 9, 11, 12, 13, 14, 15, 16, 17, 19, 21, 23, 25, 27, 28, 30, 31, 35, 36
- 3 SOURCE (TUNER/CD/MD) button 8, 10, 11, 14, 16, 17, 24, 28, 29, 30, 31, 36
- 4 \leftarrow/\rightarrow (SEEK/AMS \rightarrow buttons) 9, 11, 12, 13, 15, 17, 19, 21, 23, 24, 25, 27, 28, 29, 30, 31, 34, 35, 36
Automatic Music Sensor (\leftarrow/\rightarrow) 11
Manual Search (\leftarrow/\rightarrow) 11
Seek 17
- 5 SOUND button 28, 29, 30, 31, 34
- 6 DSPL/PTY (display mode change/programme type) button 10, 11, 13, 22, 27
- 7 ATT (attenuate) button 34
- 8 CDX-M700R: DSO (Dynamic Soundstage Organizer) button 29
CDX-M600R: D-BASS button 36
- 9 OPEN/CLOSE button 10
- 10 LIST button 13, 14, 26
- 11 \uparrow/\downarrow (PRST/DISC \rightarrow buttons) 9, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 35, 36
During CD/MD playback: Disc change 11
During radio reception: Preset stations select 17
- 12 ENTER button 9, 13, 14, 15, 16, 17, 19, 21, 22, 23, 25, 26, 27, 28, 30, 31, 35, 36
- 13 AF/TA button 18, 19, 20, 21
- 14 MODE button 10, 14, 16, 17, 24
During CD/MD playback: CD/MD unit select 10, 14
During radio reception: BAND select 16, 17
- 15 VOL (Volume adjust) buttons 20, 31
A unit turned off by pressing **OFF** for two seconds cannot be operated with the card remote commander unless **SOURCE** on the unit is pressed or a CD is inserted to activate the unit first.

5

Location of controls



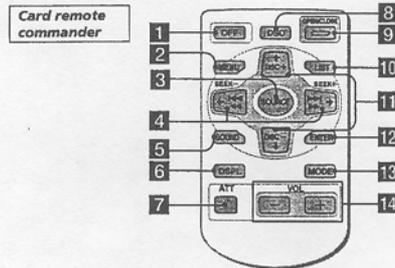
Operation side



6

CDX-M600/M650

Location of controls



Refer to the pages listed for details.

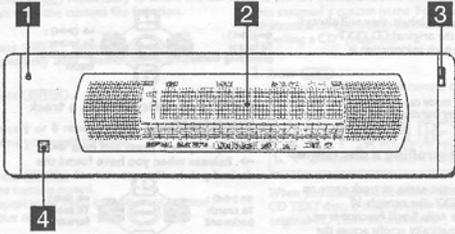
- 1 OFF button 8, 10
- 2 MENU button 9, 12, 13, 14, 15, 16, 17, 18, 22, 27, 28, 29, 31
- 3 SOURCE (TUNER/CD/MD/TV) button 8, 10, 11, 14, 16, 17, 19, 20, 21, 22, 28, 29, 30, 31
- 4 \leftarrow/\rightarrow (SEEK/AMS \rightarrow buttons) 8, 9, 11, 12, 15, 16, 17, 19, 20, 21, 22, 23, 26, 28, 30, 31
Automatic Music Sensor (\leftarrow/\rightarrow) 11
Manual Search (\leftarrow/\rightarrow) 11
Seek 16, 28
- 5 SOUND button 19, 20, 21, 22, 26
- 6 DSPL (display mode change) button 10, 11, 13, 18, 19, 25
- 7 ATT (attenuate) button 26
- 8 CDX-M750: DSO (Dynamic Soundstage Organizer) button 21
CDX-M600: D-BASS button 27
- 9 OPEN/CLOSE button 10
- 10 LIST button 13, 14, 18, 19, 30, 31
List-up 14, 19, 30, 31
- 11 \uparrow/\downarrow (PRST/DISC \rightarrow buttons) 8, 9, 11, 12, 13, 14, 15, 17, 18, 19, 20, 22, 23, 27, 28
During CD/MD playback: Disc change 11
During radio reception: Preset stations select 17
During TV reception: Band select 29
- 12 ENTER button 9, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 27, 29, 31
- 13 MODE button 10, 14, 16, 17, 29, 31
During CD/MD playback: CD/MD unit select 10, 14
During radio reception: BAND select 16, 17
During TV reception: Unit select 29
- 14 VOL (volume adjust) buttons
A unit turned off by pressing **OFF** for two seconds cannot be operated with the card remote commander unless **SOURCE** on the unit is pressed or a CD is inserted to activate the unit first.

7

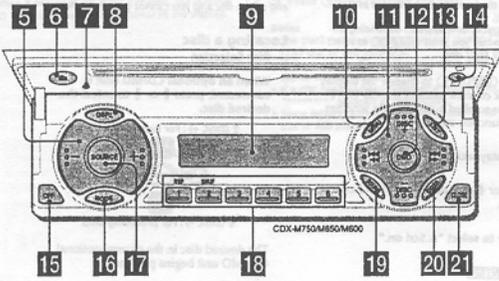
5

Location of controls

Security side



Operation side



The corresponding buttons of the unit control the same functions as those on the card remote commander.

- 1 7 Reset button 8
- 2 Main display window
- 3 OPEN button
- 4 10 Receptor for the card remote commander
- 5 Volume adjust buttons
- 6 ▲ (eject) button 10
- 7 DSPL (display mode change) button
- 8 Sub display window
- 9 MENU button
- 11 DISC/PRST +/- (cursor up/down) buttons
SEEK/AMS +/- (cursor left/right) buttons 16
- 12 CDX-M750:
DSO button
CDX-M600:
D-BASS button
- 13 LIST button
- 14 OFF button* 8
- 15 MODE button
- 17 SOURCE button
- 18 Number buttons
During radio reception:
Pre-set number select 16, 17
During CD/MD playback:
① REP 12
② SHUF 12
During TV reception:
Pre-set number select 30
- 19 SOUND button
- 20 ENTER button
- 21 CLOSE button

* Warning when installing in a car without ACC (accessory) position on the ignition key switch
Be sure to press **OFF** on the unit for two seconds to turn off the clock display after turning off the engine.
When you press **OFF** only momentarily, the clock display does not turn off and this causes battery wear.

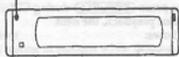
CDX-M600R

Getting Started

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Press the reset button with a pointed object, such as a ballpoint pen.

Reset button



Note
Pressing the reset button will erase the clock setting and some memorised functions.

Security release settings

Do the following initial settings before you operate the unit for the first time, after replacing the car battery, or after resetting the unit.
Be sure to make these settings, otherwise the front panel remains disabled and you will be unable to operate the unit.

- 1 Press the reset button.
"Code in" appears.
- 2 Press the buttons on the card remote commander, and send the security code. Please refer to the supplied insert for details on the security code buttons.
When the code has been confirmed, the display changes to clock, and you can operate the unit normally.

Notes
• When you leave the car, take the card remote control with you.
• If you forget the security code, consult your Sony Service Center. Be sure to bring the card remote control with you.

Turning the unit on/off

Turning on the unit

Press **SOURCE** or insert a CD in the unit. For details on operation, refer to page 10 (CD/MD) and page 16 (radio).

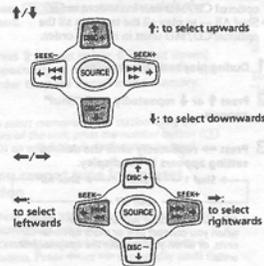
Turning off the unit

Press **OFF** to stop CD/MD playback or radio MW/LW reception (the key illumination and display remains on.)
Press **OFF** for two seconds to completely turn off the unit.

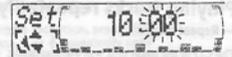
Note
If your car has no ACC position on the ignition key switch, be sure to turn the unit off by pressing **OFF** for two seconds to avoid car battery wear.

How to use the menu

This unit is operated by selecting items from a menu.
To select, first enter the menu mode and choose **↑/↓** (up/down), or choose **←/→** (left/right).

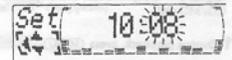


1 Press **→**

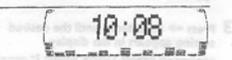


The minute indication flashes.

2 Press **↑** or **↓** to set the minute.



2 Press **ENTER**.



The clock starts.

Tip
You can set the clock automatically with the RDS feature (page 22).

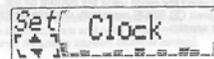
Note
In the initial setting, the clock indication appears while the unit is turned off.
When the D.info mode is set to "on," the time is always displayed (except for some functions of SA mode) (page 35).

Setting the clock

The clock uses a 24-hour digital indication.

Example: To set the clock to 10:08

- 1 Press **ENTER**, then press **↑** or **↓** repeatedly until "Clock" appears.



1 Press **ENTER**.



The hour indication flashes.

- 2 Press **↑** or **↓** to set the hour.



Erasing the disc memo

- 1 Press **(SOURCE)** repeatedly to select "CD."
- 2 Press **(MODE)** repeatedly to select the CD unit with the custom file function.
- 3 Press **(MENU)**, then press \uparrow or \downarrow repeatedly until "Name Del" appears.
- 4 Press **(ENTER)**.
- 5 Press \uparrow or \downarrow repeatedly to select the disc name you want to erase.
- 6 Press **(ENTER)** for two seconds. The name is erased. Repeat steps 5 and 6 if you want to erase other names.
- 7 Press **(MENU)** twice. The unit returns to normal CD play mode.

Note
When a personalised label is erased, the original CD TEXT information will appear in the display.

Locating a disc by name

— List-up (For a CD unit with the custom file function or an MD unit)

You can use this function for discs that have been assigned a custom name. For more information on disc memo names, refer to "Labelling a CD" (page 13).

- 1 Press **(LIST)**. The name assigned to the current disc appears in the display.

- 2 Press \uparrow (DISC +) or \downarrow (DISC -) repeatedly until you find the desired disc.
- 3 Press **(ENTER)** to play the disc.

Notes

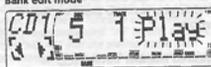
- The track names are not displayed during CD TEXT disc or MD playback.
- If there are no discs in the magazine, "NO Disc" appears in the display.
- If a disc has not been assigned a custom file, "*****" appears in the display.
- Some letters cannot be displayed during CD TEXT disc or MD playback.

When you assign a disc memo name to a CD TEXT disc, it takes priority over the original CD TEXT information.

Selecting specific tracks for playback

— Bank

(For a CD unit with the custom file function)

- 1 Start playing the disc you want to label.
- 2 Press **(MENU)**, then press \uparrow or \downarrow repeatedly until "Bank Sel" appears.
- 3 Press **(ENTER)**.
Bank edit mode

- 4 Label the tracks.
 - 1 Press \leftarrow or \rightarrow repeatedly to select the track you want to label.
 - 2 Press **(ENTER)** repeatedly to select "Play."
- 5 Repeat step 4 to set "Play" or "Skip" for all the tracks.
- 6 Press **(MENU)** twice. The unit returns to normal CD play mode.

Notes

- You can set "Play" and "Skip" for up to 24 tracks.
- You cannot set "Skip" for all the tracks on a CD.

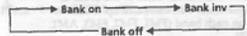
Playing specific tracks only

You can select:

- "Bank on" — to play the tracks with the "Play" setting.
- "Bank inv" (Inverse) — to play the tracks with the "Skip" setting.

- 1 During playback, press **(MENU)**, then press \uparrow or \downarrow repeatedly until "Bank" appears.

- 2 Press \rightarrow repeatedly until the desired setting appears.



- 3 Press **(ENTER)**. Playback starts from the track following the current one.

To return to normal play mode, select "Bank off" in step 2.

CDX-M600R

Radio

Memorising stations automatically

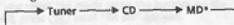
— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals and memorises them in the order of their frequencies. You can store up to six stations on each band (FM1, FM2, FM3, MW, and LW).

Caution

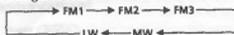
When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

- 1 Press **(SOURCE)** repeatedly to select the tuner. Each time you press **(SOURCE)**, the source changes as follows:



• If the corresponding optional equipment is not connected, this item will not appear.

- 2 Press **(MODE)** repeatedly to select the band. Each time you press **(MODE)**, the band changes as follows:



- 3 Press **(MENU)**, then press \uparrow or \downarrow repeatedly until "BTM" appears.

- 4 Press **(ENTER)**. The unit stores stations in the order of their frequencies on the number buttons. A beep sounds when the setting is stored.

Notes

- The unit does not store stations with weak signals. If only a few stations can be received, some number buttons will retain their former setting.
- When a number is indicated in the display, the unit starts storing stations from the one currently displayed.
- If a CD is not in the unit, only the tuner band appears even if you press **(SOURCE)**.

Memorising only the desired stations

You can preset up to 18 FM stations (six each for FM1, FM2, and FM3), up to 6 MW stations, and up to 6 LW stations in the order of your choice.

- 1 Press **(SOURCE)** repeatedly to select the tuner.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press \leftarrow or \rightarrow of the unit to tune in the station that you want to store on the number button.
- 4 Press the desired number button (1 to 6) of the unit until "MEM" appears. The number button indication appears in the display.

Note

If you try to store another station on the same number button, the previously stored station will be erased.

Receiving the memorised stations

- 1 Press **(SOURCE)** repeatedly to select the tuner.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press \uparrow (preset up) or \downarrow (preset down) repeatedly to receive the stations in the order they are stored in the memory.

Tip

If you select memorising the station using the buttons of the unit, press the number button (1 to 6) on which the desired station is stored.

If you cannot tune in a preset station

Press \leftarrow or \rightarrow to search for the station (automatic tuning). Scanning stops when the unit receives a station. Press \leftarrow or \rightarrow repeatedly until the desired station is received.

Note

If the automatic tuning stops too frequently, press **(MENU)**, then press \uparrow or \downarrow repeatedly until "Local" (local seek mode) is displayed. Then press \rightarrow to select "Local on." Press **(ENTER)**. Only the stations with relatively strong signals will be tuned in.

Tips

- When you select the "Local on" setting, "LCL Seek" appears while the unit is searching for a station.
- If you know the frequency of the station you want to listen to, press and hold \leftarrow or \rightarrow until the desired frequency appears (manual tuning).

If FM stereo reception is poor

— Monaural Mode

- 1 During radio reception, press **(MENU)**, then press \uparrow or \downarrow repeatedly until "Mono" appears.
- 2 Press \rightarrow until "Mono on" appears. The sound improves, but becomes monaural ("ST" disappears).
- 3 Press **(ENTER)**. To return to normal mode, select "Mono off" in step 2.

RDS

Tip
The Motion Display mode can be turned off. (See "Changing the sound and display settings" on page 35.)

Overview of the RDS function

Radio Data System (RDS) is a broadcasting service that allows FM stations to send additional digital information along with the regular radio programme signal. Your car stereo offers you a variety of services. Here are just a few: retuning the same programme automatically, listening to traffic announcements, and locating a station by programme type.

Notes

- Depending on the country or region, not all of the RDS functions are available.
- RDS may not work properly if the signal strength is weak or if the station you are tuned to is not transmitting RDS data.

Displaying the station name

The name of the current station lights up in the display.

Select an FM station (page 16).
When you tune in an FM station that transmits RDS data, the station name appears in the display.



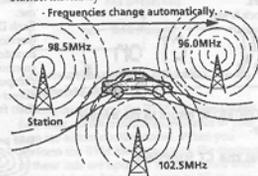
Note
The "FM" indication means that an RDS station is being received.

After you select the desired item, the display will automatically change to the Motion Display mode after a few seconds. In the motion display mode, all the items are scrolled in the display one by one in order.

Retuning the same programme automatically

— Alternative Frequencies (AF)

The Alternative Frequencies (AF) function automatically selects and retunes the station with the strongest signal in a network. By using this function, you can continuously listen to the same programme during a long distance drive without having to retune the station manually.

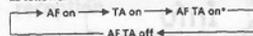


- Select an FM station (page 16).
- Press **(AF/TA)** repeatedly until "AF on" appears. The unit starts searching for an alternative station with a stronger signal in the same network.

Tip
If you select the mode using the buttons on the unit, press **(AF)** until "AF on" appears.

Changing the display item

Each time you press **(AF/TA)**, the item changes as follows:



Select this to turn on both the AF and TA functions.

Tips

- Each time you press **(AF)** on the unit, the item changes as follows:
AF on → AF off
- Each time you press **(TA)** on the unit, the item changes as follows:
TA on → TA off

Notes

- When there is no alternative station in the area and you do not need to search for an alternative station, turn the AF function off by pressing **(AF/TA)** repeatedly until "AF TA off" appears.
- When "NO AF" and the station name flash alternately, it means that the unit cannot find an alternative station in the network.
- If the station name starts flashing after selecting a station with the AF function on, this indicates that no alternative frequency is available. Press **←** or **→** while the station name is flashing (within eight seconds). The unit starts searching for another frequency with the same PI (Programme Identification) data ("PI Seek" appears and no sound is heard). If the unit cannot find another frequency, "NO PI" appears, and the unit returns to the previously selected frequency.

Listening to a regional programme

The "REG on" (regional on) function lets you stay tuned to a regional programme without being switched to another regional station. (Note that you must turn the AF function on.) The unit is factory preset to "REG on," but if you want to turn off the function, do the following.

- During radio reception, press **(MENU)**, then press **↑** or **↓** repeatedly until "REG" appears.
- Press **→** until "REG off" appears.

- Press **(ENTER)**.
Note that selecting "REG off" might cause the unit to switch to another regional station within the same network.

To return to regional on, select "REG on" in step 2.

Note
This function does not work in the United Kingdom and in some other areas.

Local link function (United Kingdom only)

The Local Link function lets you select other local stations in the area, even if they are not stored on your number buttons.

- Press a number button of the unit that has a local station stored on it.
- Within five seconds, press the number button of the local station again.
- Repeat this procedure until the desired local station is received.

Listening to traffic announcements

The Traffic Announcement (TA) and Traffic Programme (TP) data lets you automatically tune in an FM station that is broadcasting traffic announcements even if you are listening to other programme sources.

Press **(AF/TA)** repeatedly until "TA on" or "AF TA on" appears.

The unit starts searching for traffic information stations. "TP" appears in the display when the unit finds a station broadcasting traffic announcements. When the traffic announcement starts, "TA" flashes. The flashing stops when the traffic announcement is over.

- Tips**
- If the traffic announcement starts while you are listening to another programme source, the unit automatically switches to the announcement and goes back to the original source when the announcement is over.
 - If you select the mode using the buttons on the unit, press **(TA)** until "TA on" appears.

Note
"NO TP" flashes for five seconds if the received station does not broadcast traffic announcements. Then, the unit starts searching for a station that broadcasts it.

To cancel the current traffic announcement

Press **(AF/TA)**.
To cancel all traffic announcements, turn off the function by pressing **(AF/TA)** until "AF TA off" appears.

Presetting the volume of traffic announcements

You can preset the volume level of the traffic announcements beforehand so you won't miss the announcement. When a traffic announcement starts, the volume will be automatically adjusted to the preset level.

- Select the desired volume level.
- Press **(AF/TA)** for two seconds. "TA" appears and the setting is stored.

Receiving emergency announcements

If an emergency announcement comes in while you are listening to the radio, the programme will be automatically switched to it. If you are listening to a source other than the radio, the emergency announcements will be heard if you set AF or TA to on. The unit will then automatically switch to these announcements no matter which source you are listening to at the time.

Presetting the RDS stations with the AF and TA data

When you preset RDS stations, the unit stores each station's data as well as its frequency, so you don't have to turn on the AF or TA function every time you tune in the preset station. You can select a different setting (AF, TA, or both) for individual preset stations, or the same setting for all preset stations.

Presetting the same setting for all preset stations

- Select an FM band (page 16).
- Press **(AF/TA)** repeatedly to select either "AF on," "TA on" or "AF TA on" (for both AF and TA functions).
Note that selecting "AF TA off" stores not only RDS stations, but also non-RDS stations.

Tip
If you select the mode using the buttons on the unit, press **(AF)** and/or **(TA)** to select "AF on" and/or "TA on." Note that selecting "AF off" or "TA off" stores not only RDS stations, but also non-RDS stations.

- Press **(MENU)**, then press **↑** or **↓** repeatedly until "BTM" appears.
- Press **→** until "BTM" flashes.
- Press **(ENTER)**.

Presetting different settings for each preset station

- Select an FM band, and tune in the desired station (page 16).
- Press **(AF/TA)** repeatedly to select either "AF on," "TA on" or "AF TA on" (for both AF and TA functions).

Tip
If you select the mode using the buttons on the unit, press **(AF)** and/or **(TA)** to select "AF on" and/or "TA on."

- Press the desired number button of the unit until "MEM" appears. Repeat from step 1 to preset other stations.

Tip
If you want to change the preset AF and/or TA setting after you tune in the preset station, you can do so by turning the AF or TA function on or off.

Locating a station by programme type

You can locate the station you want by selecting one of the programme types shown below.

Programme types	Display
News	News
Current Affairs	Affairs
Information	Info
Sports	Sport
Education	Educate
Drama	Drama
Culture	Culture
Science	Science
Varied	Varied
Popular Music	Pop M
Rock Music	Rock M
Easy Listening	Easy M
Light Classical	Light M
Classical	Classics
Other Music Type	Other M
Weather	Weather
Finance	Finance
Children's Programmes	Children
Social Affairs	Social A
Religion	Religion
Phone In	Phone IN
Travel	Travel
Leisure	Leisure
Jazz Music	Jazz
Country Music	Country
National Music	Nation M
Oldies Music	Oldies
Folk Music	Folk M
Documentary	Document
Not specified	None

Note
You cannot use this function in some countries where no PTY (Programme Type selection) data is available.

- 1 Press **(DISPLAY)** during FM reception until "PTY" appears.



The current programme type name appears if the station is transmitting the PTY data. "...." appears if the received station is not an RDS station, or if the RDS data has not been received.

- 2 Press **↑** or **↓** repeatedly until the desired programme type appears.

The programme types appear in the order shown in the table. Note that you cannot select "None" (Not specified) for searching.

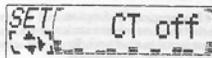


- 3 Press **(ENTER)**.
The unit starts searching for a station broadcasting the selected programme type.

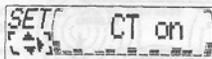
Setting the clock automatically

The CT (Clock Time) data from the RDS transmission sets the clock automatically.

- 1 During radio reception, press **(MENU)**, then press **↑** or **↓** repeatedly until "CT" appears.



- 2 Press **→** repeatedly until "CT on" appears. The clock is set.



- 3 Press **(ENTER)** to return to the normal display.

To cancel the CT function

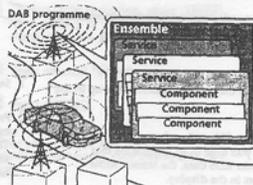
Select "CT off" in step 2.

- Notes**
- The CT function may not work even though an RDS station is being received.
 - There might be a difference between the time set by the CT function and the actual time.

With Optional Equipment DAB

Overview of DAB

DAB (Digital Audio Broadcasting) is a new multimedia broadcasting system that transmits audio programmes with a quality comparable to that of CDs. This is made possible by the use of a microcomputer in the DAB tuner which uses the radio signals sent from multiple aerials and multi-path signals (reflected radio waves) to boost the strength of the main signal. This makes DAB almost immune to radio interference even in a moving object such as a car. Each DAB station bundles radio programmes (services) into an ensemble which it then broadcasts. Each service contains one or more components. All ensembles, services, and components are identified by name, so you can access any of them without having to know their frequencies.



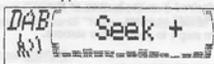
- Notes**
- The DAB system is actually in a testing phase. This means some services have not been sufficiently defined or are presently being tested. At present, such services are not supported by the optional DAB tuner unit XT100DAB.
 - DAB programmes are broadcast in Band-III (174 to 240 MHz) and L-Band (1,452 to 1,492 MHz), with each band divided into channels (41 in Band-III and 23 in L-Band). One ensemble is broadcast per channel by each DAB station.
 - When you change the mode from FM3 to DAB, all the AF TA modes stay active.
 - When you change any of the AF TA modes in DAB, that mode stays active in FM1.

Basic operations of DAB

Searching for the Ensemble and Service

— Automatic Tuning

- 1 Press **(SOURCE)** repeatedly to select the tuner.
- 2 Press **(MODE)** repeatedly to select "DAB."
- 3 Press and hold **←** or **→** until "Seek +"
"Seek -" appears.



- 4 Press **←** or **→** to search the desired service.

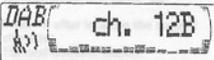
Note
The "k" indication flashes while the unit is searching for the Ensemble.

Selecting the Ensemble

— Manual Tuning

If you know the channel number of Ensemble, follow the procedure below to tune in.

- 1 Press **(SOURCE)** repeatedly to select the tuner.
- 2 Press **(MODE)** repeatedly to select "DAB."
- 3 Press **↑** or **↓** until "Ch. XXX" appears.



- 4 Press **↑** or **↓** repeatedly until the desired channel number appears.

- Tips**
- More than one channel may broadcast the same Ensemble.
 - If you select the Ensemble set but cannot receive it, the "k" indication flashes.

Receiving the memorised services

Following procedure is available after presetting the service. For details on presetting the services, refer to "Presetting DAB services automatically," (page 25) and "Presetting DAB services manually" (page 25).

- 1 Press **(SOURCE)** repeatedly to select the tuner.
- 2 Press **(MODE)** repeatedly to select "DAB."
- 3 Press **↑** or **↓** repeatedly to select the preset service.

Tip
There is another way to receive the preset service. Press the number buttons (1) to (0) of the unit on which the desired service is stored.

The receiving mode of the DAB tuner is displayed according to the chart below:

Indication	Level	Receive mode
(flash)	0	cannot receive
	1	poor reception
	2	so-so
	3	moderate
	4	good reception

Presetting DAB services automatically — BTM

The BTM (Best Tuning Memory) function picks out DAB ensembles and automatically assigns the services within the ensembles to preset service numbers. The unit can preset up to 40 services. If services have been previously set, the BTM function operates under the following conditions:

- If you activate the BTM function while listening to a preset service, the unit will store detected services (by overwriting) only to preset numbers higher than that of the current preset service.
- If you activate the function while listening to a service that is not preset, the unit will replace the contents of all preset numbers.
- In both cases above, if the unit detects a service that is identical to one already preset, the previously stored service remains unchanged and the newly detected service is not preset.

- 1 While listening to a DAB programme, press **(MENU)**.
- 2 Press **↑** or **↓** repeatedly until "BTM" appears.
- 3 Press **(ENTER)**.
A beep sounds when the service is stored. After activating the BTM function, the unit tunes the service assigned in the preset memory 1 automatically.

Note
If the unit can only tune in a few services, the BTM function may not assign services to all the preset service numbers.

Presetting DAB services manually — Manual Preset Memory

You can also preset DAB services manually or delete a service which is already preset. Note that up to 40 services (preset either by the BTM function or manually) can be preset to the unit's memory.

- 1 While listening to a DAB programme, press **(MENU)**.
- 2 Press **↑** or **↓** repeatedly until "PresetEdit" appears, then press **(ENTER)**.
- 3 Select the service and the preset number you want to preset.
 - 1 Press **←** or **→** to select the service.
 - 2 Press **↑** or **↓** to select the preset number.

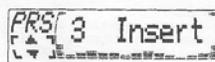


- 4 Press **(ENTER)**.

- 4 Press **↑** or **↓** to select "Over Wrt." Each time you press **↓**, the edit command changes as follows:

→ Over Wrt → Insert → Delete

* "Insert" does not appear if the maximum number of services (40) is already preset in memory.



To preset other services, repeat steps 3 and 4.

- 5 Press **(ENTER)**.

Replacing the services in preset memories

Press \uparrow or \downarrow to select "Over Wrt" in step 4, then press \langle ENTER \rangle .

Adding the services in preset memories

Press \uparrow or \downarrow to select "Insert" in step 4, then press \langle ENTER \rangle .

Erasing the services in preset memories

Press \uparrow or \downarrow to select "Delete" in step 4, then press \langle ENTER \rangle .

Tip
There is another way to preset the service. After receiving the service, press the number buttons (1 to 6) of the unit until a beep sounds.

Listening to a DAB programme

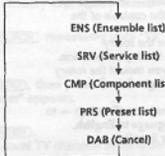
Follow the procedure below to tune in a DAB programme manually. You can also store DAB services in the unit's memory for instant tuning (see "Presetting DAB services automatically (BTM)" on page 25).

- 1 While listening to a DAB programme, press \langle LIST \rangle repeatedly until the Ensemble List appears.
- 2 Press \uparrow or \downarrow until the desired ensemble appears, then press \langle ENTER \rangle .
- 3 Press \langle LIST \rangle repeatedly to until the Service List appears.
- 4 Press \uparrow or \downarrow repeatedly until the desired service appears, then press \langle ENTER \rangle .
- 5 Press \langle LIST \rangle repeatedly until the Component List appears.
- 6 Press \uparrow or \downarrow until the desired component appears, then press \langle ENTER \rangle .

Tip
To check the name of the current component, ensemble or service, press \langle LIST \rangle repeatedly until the respective list appears in the display. The name of the currently selected item flashes.

Changing the display item

When you press \langle LIST \rangle once, the list selected last time appears. Each time you press \langle LIST \rangle , the list changes as follows:



Automatic updating of the ensemble list

When you perform the BTM function for the first time, all the ensembles available in your area are automatically stored. When you perform the BTM function again, the contents of these lists are updated in accordance with the conditions described on page 25.

An ensemble is added to the respective list when it is received during Automatic Tuning or Manual Tuning but is unlisted. An unlisted ensemble is also deleted from the respective list when:

- you select an ensemble from the list, but it cannot be received.
- you perform Automatic Tuning or Manual Tuning to receive a listed ensemble, service, or the component, but it cannot be received.

Locating a DAB service by programme type (PTY)

You can use the PTY (Programme type selection) function to tune in the programme you want.

- 1 While listening to a DAB programme, press \langle OSUPPLY \rangle .
- 2 Press \uparrow or \downarrow repeatedly to select the programme type.



The programme types appear in the order shown on the page 22.

- 3 Press \langle ENTER \rangle .

Settings on the audio reception

DAB can contain multi-channel audio. You can select main or sub-channel for reception. Also, if you turn on the DRC (Dynamic Range Control) function, the dynamic range on the service which supports DRC can automatically be extended. The following items can be set:

- Main/Sub — to select channel between "Main" (main-channel) and "Sub" (sub-channel).
- DRC — to turn on or off the function.

- 1 While listening to a DAB programme, press \langle MENU \rangle .
- 2 Press \uparrow or \downarrow repeatedly until "DRC" or "Main (or Sub)" appears.
- 3 Press \leftarrow or \rightarrow to select the desired setting (Example: "on" or "off").
- 4 Press \langle ENTER \rangle .

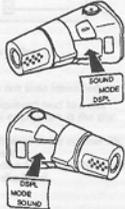
Note
"Main (or Sub)" appears in the menu only when the unit is receiving a multi-channel programme.

Other Functions

You can also control the unit with a rotary commander (optional).

Labelling the rotary commander

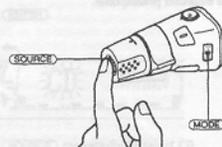
Depending on how you mount the rotary commander, attach the appropriate label as shown in the illustration below.



Using the rotary commander

The rotary commander works by pressing buttons and/or rotating controls. You can also control an optional CD/MD unit with the rotary commander.

By pressing buttons (the SOURCE and MODE buttons)



Each time you press \langle SOURCE \rangle , the source changes as follows:
Tuner \rightarrow CD \rightarrow MD*

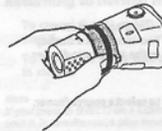
* If the corresponding optional equipment is not connected, this item will not appear.

Pressing \langle MODE \rangle changes the operation in the following ways:

- Tuner: FM1 \rightarrow FM2 \rightarrow FM3 \rightarrow MW \rightarrow LW
- CD unit: CD1 \rightarrow CD2 \rightarrow ...
- MD unit: MD1 \rightarrow MD2 \rightarrow ...

* If the corresponding optional equipment is not connected, the item will not appear.

By rotating the control (the SEEK/AMS control)



Rotate the control momentarily and release it to:

- Locate a specific track on a disc. Rotate and hold the control until you locate the specific point in a track, then release it to start playback.
- Tune in stations automatically. Rotate and hold the control to find a specific station.

By pushing in and rotating the control (the PRESET/DISC control)



- Push in and rotate the control to:
- Receive the stations memorised on the number buttons.
 - Change the disc.

Other operations

Rotate the VOL control to adjust the volume.



Press \langle ATT \rangle to attenuate the sound.

Press \langle OFF \rangle to turn off the unit.



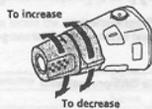
Press \langle BOUND \rangle to adjust sound menu.

Press \langle OSPL \rangle to display the memorised names.

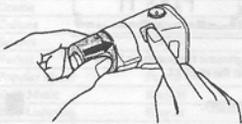
Tip
If your car has no ACC (necessary position on the ignition key switch, be sure to press \langle OFF \rangle for two seconds to turn off the clock indication after turning off the engine.

Changing the operative direction

The operative direction of controls is factory-set as shown below.



If you need to mount the rotary commander on the right hand side of the steering column, you can reverse the operative direction.



Press **(SOUND)** for two seconds while pushing the VOL control.

Tip
You can also change the operative direction of these controls with the unit (see "Changing the sound and display settings" on page 35).

Adjusting the sound characteristics (CDX-M600R only)

You can adjust the bass, treble, balance, and fader.
You can store the bass and treble levels independently for each source.

- 1 Select the item you want to adjust by pressing **(SOUND)** repeatedly. Each time you press **(SOUND)**, the item changes as follows:
BASS (bass) → TRE (treble) → BAL (left-right) → FAD (front-rear)

- 2 Adjust the selected item by pressing **←** or **→**. When adjusting with the rotary commander, press **(SOUND)** and rotate the VOL control.

Note
Adjust within three seconds after selecting the item.

Attenuating the sound

Press **(ATT)** on card remote commander or the rotary commander.
"ATT on" appears momentarily.

To restore the previous volume level, press **(ATT)** again.

Tip
When the interface cable of a car telephone is connected to the ATT lead, the unit decreases the volume automatically when a telephone call comes in (Telephone ATT function).

Changing the sound and display settings

The following items can be set:

Set (setting)

- Clock (page 9)
- CT (Clock Time) (page 23)
- Beep → to turn the beeps on or off.
- RM (Rotary Commander) → to change the operative direction of the controls of the rotary commander.
 - Select "norm" to use the rotary commander as the factory-set position.
 - Select "rev" when you mount the rotary commander on the right side of the steering column.
- English/Spanish/Portuguese/Swedish → to change the display language to English, Spanish, Portuguese or Swedish.

Dis (Display)

- Dimmer → to change the brightness of the display.
 - Select "Auto" to dim the display only when you turn the lights on.
 - Select "on" to dim the display.
 - Select "off" to deactivate Dimmer.
- Contrast → to adjust the contrast if the indications in the display are not recognisable because of the unit's installed position.
- D.Info (Dual Information) → to display the clock and the play mode at the same time (on) or to display the information alternately (off).
- M.Dspl (Motion Display) → to turn the motion display on or off.
- A.Scr (Auto Scroll)* (page 11)

Snd (Sound)

- EQ Tune* (Equalizer tuning) → to adjust the frequency and volume level of equalizer curve.
- Front HPF* (High pass filter for the front pre-output) → to select the cut-off frequency of the front pre-output.
- Rear HPF* (High pass filter for the rear pre-output) → to select the cut-off frequency of the rear pre-output.
- SUB LPF (Low pass filter for the subwoofer output)* → to select the roll off frequency of the subwoofer output.

- 1 Press **(MENU)**.

- 2 Press **↑** or **↓** repeatedly until the desired item appears. Each time you press **↓**, the item changes as follows:

Example
Clock → CT → Beep → RM → English/Spanish/Portuguese/Swedish → D.Info → SA → Dimmer → Contrast → M.Dspl → A.Scr* → EQ tune* → Front HPF* → Rear HPF* → SUB LPF*

* When no CD or MD is playing, this item will not appear.
* CDX-M200R only

Note
The displayed item will differ depending on the source.

Tip
You can easily switch among categories ("Set", "Snd", "Play Mode) and "Dis") by pressing **↑** or **↓** for two seconds.

- 3 Press **→** to select the desired setting (Example: on or off) or press **←** or **→** repeatedly to select the frequency (Example: off, 78 Hz or 125 Hz). For the "Contrast" setting, pressing **→** makes the contrast higher, and pressing **←** makes the contrast lower.

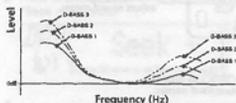
- 4 Press **(ENTER)**. After the mode setting is completed, the display returns to normal play mode.

Boosting the bass sound

— D-bass (CDX-M600R only)

You can enjoy a clear and powerful bass sound.
The D-bass function boosts the low and high frequency signal with a sharper curve than conventional bass boost.

You can hear the bass line more clearly even while the vocal volume remains the same. You can emphasize and adjust the bass sound easily with the D-BASS button.



Adjusting the bass curve

Press **(D-BASS)** repeatedly to select the desired bass curve.
As the D-BASS number increases so does the effect.

D-BASS 1 → D-BASS 2 → D-BASS 3 → D-BASS off

Note
The bass sound may distort at same volume. If the bass sound distorts, select less effective bass curve.

Selecting the spectrum analyser

The sound signal level is displayed on a spectrum analyser. You can select a display pattern from 1 to 6, or the automatic display mode.

- 1 Press **(SOURCE)** to select a source (tuner, CD, or MD).
- 2 Press **(MENU)**.
- 3 Press **↑** or **↓** repeatedly until "SA" appears.



- 4 Press **←** or **→** repeatedly to select the desired setting.



* All of these display patterns appear one by one automatically.

- 5 Press **(ENTER)**.

Adjusting the sound and frequency of the equalizer preamplifier (CDX-M600R only)

This unit can also control an optional equalizer preamplifier.
This lets you add some effects to the sound field of the currently selected source.

For details, refer to the instructions manual supplied with the equalizer preamplifier.



You can connect an optional TV tuner and TV monitor to this unit.

Watching the TV

- 1 Press **[SOURCE]** repeatedly until "TV" appears.
- 2 Press **[MODE]** repeatedly to select the desired TV band.

Watching a video

- 1 Press **[SOURCE]** repeatedly until "TV" appears.
- 2 Press **[MODE]** repeatedly to select "AUX." Play the video.

Notes

- "AUX 2" appears if the VIDEO 2 terminal of the TV monitor is selected.
- The indication automatically switched to "AUX 1" soon after "AUX" is displayed.

Memorizing TV channels automatically

The unit selects the TV channels with the strongest signals and memorizes them in the order of their frequency.

Caution

When tuning in a station while driving, use Best Tuning Memory to prevent accidents.

- 1 Press **[SOURCE]** repeatedly until "TV" appears.
- 2 Press **[MENU]**, then press \uparrow or \downarrow until "Auto Mem" appears.
- 3 Press **[ENTER]**. The unit stores TV channels in the order of their frequencies on the number buttons. A beep sounds when the setting is stored.

Notes

- The unit does not store TV channels with weak signals. If only a few TV channels can be received, some number buttons will remain empty.
- When a preset number is indicated in the display, the unit starts storing TV channels from the one currently displayed.

Memorizing only the desired TV channels

You can store up to 12 channels (six each for TV1 and TV2) on the number buttons in the order of your choice.

- 1 Press **[SOURCE]** repeatedly until "TV" appears.
- 2 Press \leftarrow or \rightarrow to tune in the TV channel you want to store on each number button.
- 3 Press and hold the desired number button (1) to (6) of the unit until you hear a beep sound. The number button indication and "Mem" appear in the display.

Note
If you try to store another channel on the same number button, the previously stored channel will be erased.

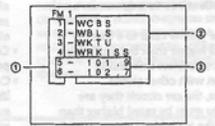
Storing the TV channel names

Follow the steps in "Storing the station names" (page 18).

Displaying the TV or radio station names

Press **[LIST]** during TV or radio reception.

Example: When receiving the FM1 band



- ① Preset numbers
- ② Stored station names
- ③ Frequencies*

* If the name of a station is not stored, the frequency of that station will be displayed instead.

Notes

- It may take some time before all indications appear in the display.
- The TV channel does not appear during list display.
- The contents of the preset memory cannot be listed when the unit is in simultaneous play mode (page 31).

Turning off the display

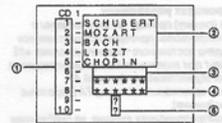
During radio reception, press **[LIST]** again.

During TV reception, the list display on the TV monitor will automatically turn off after a few seconds.

Displaying the information stored on discs

Press **[LIST]** during CD/MD playback.

Example: When CD unit 1 is selected.



- ① Disc numbers
 - ② Titles stored as custom files
 - ③ No disc is loaded**
 - ④ No stored titles**
 - ⑤ TOC information has not been identified yet**
- * A blank space is displayed next to a disc number represents empty slots in the disc magazine.
- ** If a title is not registered in the custom file, "*****" is displayed.
- ** If the disc information has not yet been read by the unit, "???" is displayed.

Notes

- It may take some time before all indications appear in the display.
- The TV channel does not appear during list display.
- The contents of the preset memory cannot be listed when the unit is in the simultaneous play mode.

Turning off the display

Press **[LIST]** again.

Watching the TV or video while listening to a CD or MD — Simultaneous Play

The simultaneous play function does not work while you are listening to the radio.

- 1 Press **[MENU]**, then press \uparrow or \downarrow repeatedly until "Simul Sel" appears.

- 2 Press **[ENTER]**.

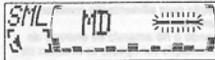
- 3 Press \leftarrow .



- 4 Press **[SOURCE]** repeatedly to select CD or MD.



- 5 Press \rightarrow .



- 6 Press **[SOURCE]** repeatedly until "TV" appears, then press **[MODE]** repeatedly to select a TV or video.

Each time you press **[MODE]**, the item changes as follows:
TV 1 → TV 2 → V 1 (VIDEO 1)



Press **[ENTER]**. Simultaneous Play starts.

If you are already watching the TV or video

and want to listen to a CD or MD as well, follow the same steps.

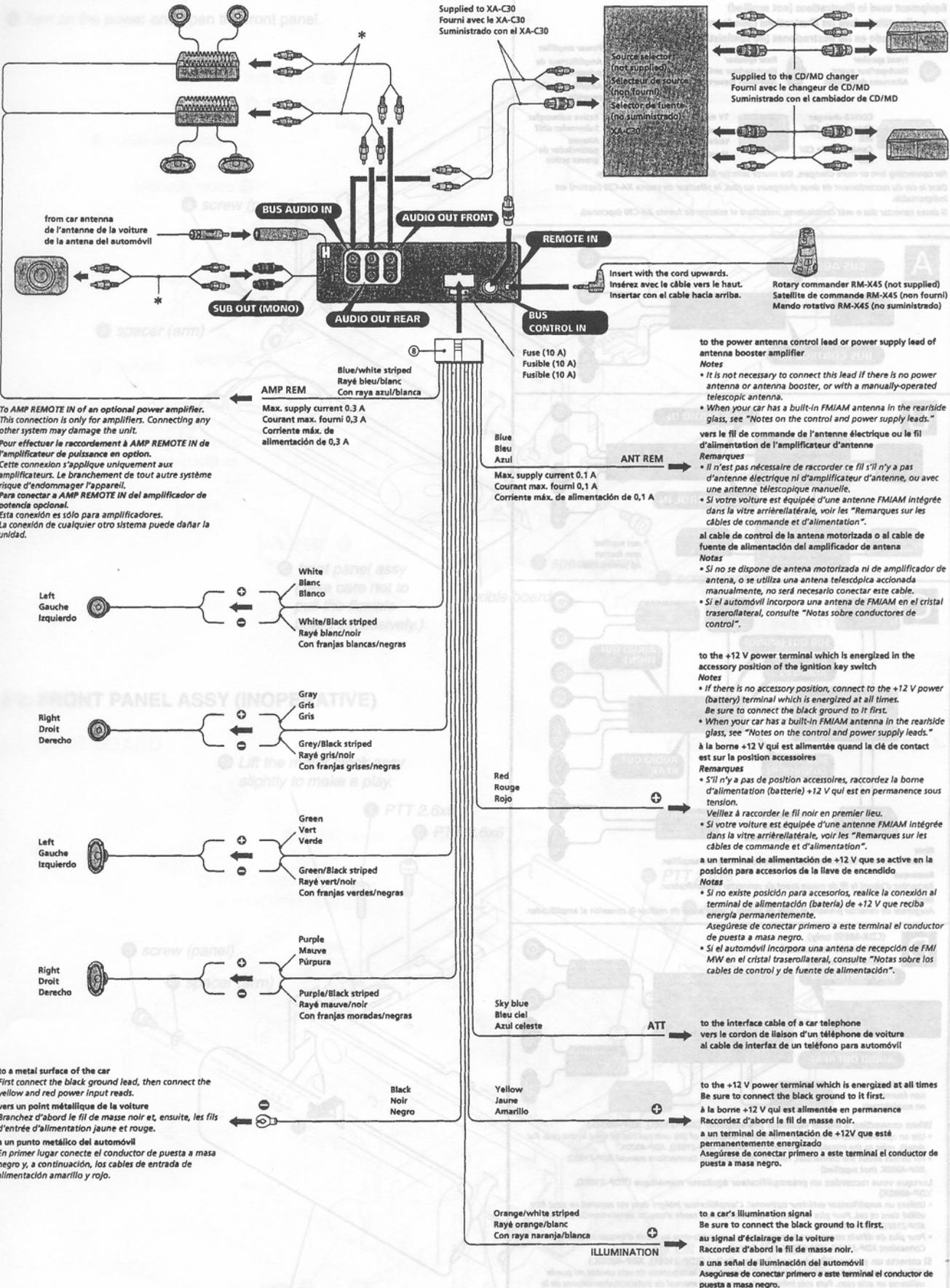
Returning to normal mode

To cancel the CD or MD, select "----" in step 4.

To cancel the TV or video, select "----" in step 6.

Note
If you press **[EJECT]** on a CD/MD unit while the unit is in simultaneous play mode, Simultaneous Play is canceled.

Connection example
Exemple de connexion
Ejemplo de conexiones



* RCA pin cord (not supplied)
 Cordon à broche RCA (non fourni)
 Cable con pines RCA (no suministrado)

Supplied to XA-C30
 Fourni avec le XA-C30
 Suministrado con el XA-C30

Supplied to the CD/MD changer
 Fourni avec le changeur de CD/MD
 Suministrado con el cambiador de CD/MD

Insert with the cord upwards.
 Insérez avec le câble vers le haut.
 Insertar con el cable hacia arriba.

Rotary commander RM-X45 (not supplied)
 Satellite de commande RM-X45 (non fourni)
 Mando rotativo RM-X45 (no suministrado)

from car antenna
 de l'antenne de la voiture
 de la antena del automóvil

To AMP REMOTE IN of an optional power amplifier.
 This connection is only for amplifiers. Connecting any other system may damage the unit.
 Pour effectuer le raccordement à AMP REMOTE IN de l'amplificateur de puissance en option.
 Cette connexion s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
 Para conectar a AMP REMOTE IN del amplificador de potencia opcional.
 Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.

AMP REM
 Max. supply current 0.3 A
 Courant max. fourni 0,3 A
 Corriente máx. de alimentación de 0,3 A

Fuse (10 A)
 Fusible (10 A)
 Fusible (10 A)

ANT REM
 Max. supply current 0.1 A
 Courant max. fourni 0,1 A
 Corriente máx. de alimentación de 0,1 A

to the power antenna control lead or power supply lead of antenna booster amplifier
 Notes
 * It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.
 * When your car has a built-in FMIAM antenna in the rear side glass, see "Notes on the control and power supply leads."

Remarks
 * Il n'est pas nécessaire de raccorder ce fil s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.
 * Si votre voiture est équipée d'une antenne FMIAM intégrée dans la vitre arrière latérale, voir les "Remarques sur les câbles de commande et d'alimentation".

al cable de commande de la antena motorizada o al cable de fuente de alimentación del amplificador de antena
 Notes
 * Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.
 * Si el automóvil incorpora una antena de FMIAM en el cristal trasero lateral, consulte "Notas sobre conductores de control".

to the +12 V power terminal which is energized in the accessory position of the ignition key switch
 Notes
 * If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.
 Be sure to connect the black ground to it first.
 * When your car has a built-in FMIAM antenna in the rear side glass, see "Notes on the control and power supply leads."

Remarks
 * S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est en permanence sous tension.
 Veillez à raccorder le fil noir en premier lieu.
 * Si votre voiture est équipée d'une antenne FMIAM intégrée dans la vitre arrière latérale, voir les "Remarques sur les câbles de commande et d'alimentation".

to a terminal of alimentation de +12 V que se active en la posición para accesorios de la llave de encendido
 Notes
 * Si no existe posición para accesorios, realice la conexión al terminal de alimentación (batería) de +12 V que reciba energía permanentemente.
 Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.
 * Si el automóvil incorpora una antena de recepción de FMI MW en el cristal trasero lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".

to the interface cable of a car telephone
 vers le cordon de liaison d'un téléphone de voiture
 al cable de interfaz de un teléfono para automóvil

to the +12 V power terminal which is energized at all times
 Be sure to connect the black ground to it first.
 à la borne +12 V qui est alimentée en permanence
 Raccordez d'abord le fil de masse noir.
 a un terminal de alimentación de +12V que esté permanentemente energizado
 Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.

to a car's illumination signal
 Be sure to connect the black ground to it first.
 au signal d'éclairage de la voiture
 Raccordez d'abord le fil de masse noir.
 a una señal de iluminación del automóvil
 Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.

to a metal surface of the car
 First connect the black ground lead, then connect the yellow and red power input leads.
 vers un point métallique de la voiture
 Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation jaune et rouge.
 a un punto metálico del automóvil
 En primer lugar conecte el conductor de puesta a masa negro y, a continuación, los cables de entrada de alimentación amarillo y rojo.

Black
 Noir
 Negro

Yellow
 Jaune
 Amarillo

Orange/white striped
 Rayé orange/blanc
 Con raya naranja/blanca

ILLUMINATION

front panel assy
 (Take care not to pull the fuse board excessively)