

# ***FM/AM Compact Disc Player***

---

Operating Instructions \_\_\_\_\_

GB

使用說明書 \_\_\_\_\_

CT

For installation and connections, see the supplied installation/connections manual.

關於本機的安裝及線路連接，請參見提供的“安裝／線路連接說明書”。



***CDX-L460X  
CDX-L440B***

---

# Welcome !

Thank you for purchasing this Sony Compact Disc Player. You can enjoy its various features.

# Table of Contents

Location of controls .....	4
Precautions .....	5
Notes on discs .....	5

## Getting Started

Resetting the unit .....	6
Setting the clock .....	7

## CD Player

Playing a disc .....	7
Display items .....	8
Playing tracks repeatedly	
— Repeat Play .....	8
Playing tracks in random order	
— Shuffle Play .....	8

## Radio

Display items .....	9
Storing stations automatically	
— Best Tuning Memory (BTM) .....	9
Receiving the stored stations .....	10
Storing only the desired stations .....	10

## Other Functions

Adjusting the sound characteristics .....	11
Quickly attenuating the sound .....	11
Canceling the beep sound .....	11
Selecting the sound position	
— My Best sound Position (MBP) .....	11
Boosting the bass sound	
— D-bass .....	12

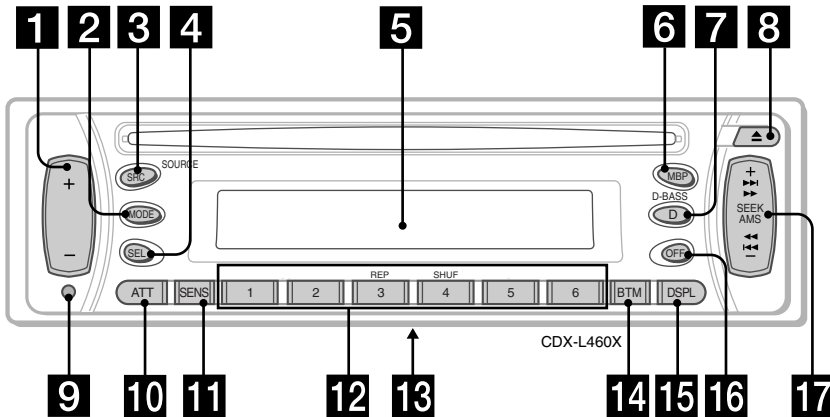
## Additional Information

Maintenance .....	12
Removing the unit .....	13
Specifications .....	14
Troubleshooting .....	15
Error displays .....	16

# Location of controls

Refer to the pages listed for details.

**CD** : During Playback    **RADIO** : During radio reception



- 1** Volume +/- button 7, 11
- 2** MODE button  
**RADIO** 9, 10
- 3** SRC (SOURCE) (TUNER/CD) button  
7, 9, 10
- 4** SEL (select) button 7, 11
- 5** Display window
- 6** MBP (My Best sound Position) button 11
- 7** D (D-BASS) button 12
- 8** ▲ (eject) button 7
- 9** Reset button 6
- 10** ATT (attenuate) button 11

- 11** SENS button 10
- 12** Number buttons 11  
**CD**  
③ REP 8  
④ SHUF 8  
**RADIO** 9, 10
- 13** Frequency select switch  
(located on the bottom of the unit)  
See "Frequency select switch" in the  
Installation/Connections manual.
- 14** BTM (Best Tuning Memory) button 9
- 15** DSPL (display mode change) button  
7, 8, 9
- 16** OFF button\* 7
- 17** SEEK/AMS +/- button  
**CD** 7  
**RADIO** 10

\* **Warning when installing in a car without an ACC (accessory) position on the ignition key switch**  
Be sure to press **OFF** on the unit for 2 seconds to turn off the clock display after turning off the engine.  
Otherwise, the clock display does not turn off and this causes battery drain.

## Precautions

- If your car was parked in direct sunlight, allow the unit to cool off before operating it.
- Power aerials will extend automatically while the unit is operating.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

### Moisture condensation

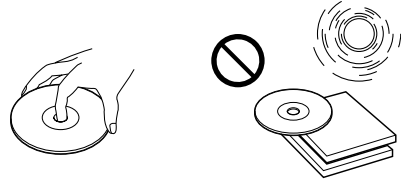
On a rainy day or in a very damp area, moisture condensation may occur inside the lenses and display of the unit. Should this occur, the unit will not operate properly. In such a case, remove the disc and wait for about an hour until the moisture has evaporated.

### To maintain high sound quality

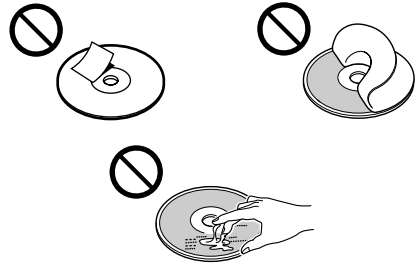
Be careful not to splash juice or other soft drinks onto the unit or discs.

## Notes on discs

- To keep the disc clean, do not touch the surface. Handle the disc by its edge.
- Keep your discs in their cases or disc magazines when not in use. Do not subject the discs to heat/high temperature. Avoid leaving them in parked cars or on dashboards/rear trunks.



- Do not attach labels, or use discs with sticky ink/residue. Such discs may stop spinning when used, causing a malfunction, or may ruin the disc.



- Do not use any discs with labels or stickers attached.  
The following malfunctions may result from using such discs:
  - Inability to eject a disc (due to a label or sticker peeling off and jamming the eject mechanism).
  - Inability to read audio data correctly (e.g., playback skipping, or no playback) due to heat shrinking of a sticker or label causing a disc to warp.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- You cannot play 8 cm CDs.

continue to next page →

# Getting Started

- Before playing, clean the discs with a commercially available cleaning cloth. Wipe each disc from the centre out. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog discs.



## Notes on CD-R/CD-RW discs

- You can play CD-Rs (recordable CDs)/CD-RWs (rewritable CDs) designed for audio use on this unit.  
Look for these marks to distinguish CD-Rs/CD-RWs for audio use.



These marks denote that a disc is not for audio use.



- Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- You cannot play a CD-R/CD-RW that is not finalized\*.

\* A process necessary for a recorded CD-R/CD-RW disc to be played on the audio CD player.

## 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

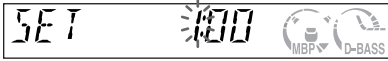
Pressing the reset button will erase the clock setting and some stored contents.

## Setting the clock

The clock uses a 12-hour digital indication.

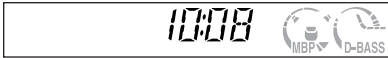
Example: To set the clock to 10:08

- 1 Press **(DSPL)** for 2 seconds.  
The hour indication flashes.



- 1 Press either side of the volume +/- button to set the hour.
- 2 Press **(SEL)**.  
The minute indication flashes.
- 3 Press either side of the volume +/- button to set the minute.

- 2 Press **(DSPL)**.

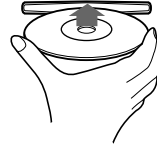


The clock starts. After the clock setting is completed, the display returns to normal play mode.

## CD Player

### Playing a disc

Insert the disc (labelled side up).



Playback starts automatically.

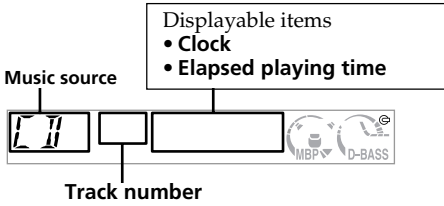
If a disc is already inserted, press **(SRC)** repeatedly until "CD" appears to start playback.

To	Press
Stop playback	<b>(▲)</b> or <b>(OFF)</b>
Eject the disc	<b>(▲)</b>
Skip tracks – Automatic – Music Sensor	<b>(SEEK/AMS)</b> ( <b>(◀▶)</b> ) [once for each track]
Fast-forward/ reverse – Manual Search	<b>(SEEK/AMS)</b> ( <b>(◀▶)</b> ) [hold to desired point]

#### Note

When the last track on the disc is over, playback restarts from the first track of the disc.

## Display items



To	Press
Switch display item	(DSPL)

## Playing tracks repeatedly

### — Repeat Play

The current track will repeat itself when it reaches the end.

**During playback, press (3) (REP) until "REP" indicator appears in the display.** Repeat Play starts.

To return to normal play mode, press (3) (REP) again.

## Playing tracks in random order

### — Shuffle Play

You can select to play the tracks on the current disc in random order.

**During playback, press (4) (SHUF) until "SHUF" indicator appears in the display.** Shuffle Play starts.

To return to normal play mode, press (4) (SHUF) again.



# Radio

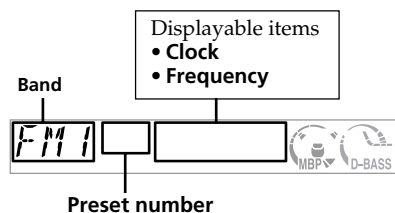
The unit can store up to 6 stations per band (FM1, FM2, FM3, AM1, and AM2).

## Caution

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

## Display items

The following items can be displayed.



To	Press
Switch display item	(DSPL)

## Storing stations automatically

### — Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals within the selected band, and stores them in the order of their frequency.

- 1 Press (SRC) repeatedly to select the radio.
- 2 Press (MODE) repeatedly to select the band.
- 3 Press (BTM) for 2 seconds.  
The unit stores stations in the order of their frequencies on the number buttons. A beep sounds when the setting is stored.

### Notes

- If only a few stations can be received due to weak signals, some number buttons will retain their former settings.
- When a number is indicated in the display, the unit starts storing stations from the one currently displayed.

## Receiving the stored stations

- 1 Press **(SRC)** repeatedly to select the radio.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press the number button (**①** to **⑥**) on which the desired station is stored.

### If preset tuning does not work — Automatic tuning/ Local Seek Mode

#### Automatic tuning:

Press either side of **(SEEK/AMS)** to search for the station.

Scanning stops when the unit receives a station. Press either side of **(SEEK/AMS)** repeatedly until the desired station is received.

#### Local Seek Mode:

If the automatic tuning stops too frequently, press **(SENS)** repeatedly until "LCL" indicator appears.



"LCL" indicator is displayed.

Only the stations with relatively strong signals will be tuned in.

#### Tip

If you know the frequency of the station you want to listen to, press either side of **(SEEK/AMS)** until the desired frequency appears (manual tuning).

### If FM stereo reception is poor

#### — Monaural Mode

During radio reception, press **(SENS)** repeatedly until "MONO" indicator appears.



"MONO" indicator is displayed.

The sound improves, but becomes monaural ("ST" disappears).

To return to normal, press **(SENS)** again.

## Storing only the desired stations

You can manually preset the desired stations on any chosen number button.

- 1 Press **(SRC)** repeatedly to select the radio.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press either side of **(SEEK/AMS)** to tune in the station that you want to store.
- 4 Press the desired number button (**①** to **⑥**) 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.

## Other Functions

### Adjusting the sound characteristics

You can adjust the bass, treble, balance, and fader.

The bass and treble levels can be stored independently for each source.

- 1 Select the item you want to adjust by pressing **(SEL)** repeatedly. Each time you press **(SEL)**, the item changes as follows:

**BAS (bass) → TRE (treble) →  
BAL (left-right) → FAD (front-rear)**

- 2 Adjust the selected item by pressing either side of the volume +/- button.

#### Note

Adjust within 3 seconds after selecting the item.

### Quickly attenuating the sound

Press **(ATT)**.

"ATT" appears in the display.

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

### Canceling the beep sound

Press **(6)** while pressing **(SEL)** down.

To activate the beep sound again, press these buttons again.

#### Note

If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

### Selecting the sound position

#### — My Best sound Position (MBP)

When you drive without passengers, you can enjoy the most comfortable sound environment with "My Best sound Position." "My Best sound Position" has two presets, which adjust the sound level of balance and fader. You can select one very easily with the MBP button.

Display window	Balance Level		Fader Level	
	Right	Left	Front	Rear
MBP-A	-4dB	0	0	-4dB
MBP-B	0	-4dB	0	-4dB
MBP-OFF	0	0	0	0

Press **(MBP)** repeatedly for the desired listening position.

The mode of "My Best sound Position" is shown in the display in order of the table.



If you want to adjust the sound level of balance and fader more precisely, you can do it using the **(SEL)** button (see "Adjusting the sound characteristics").

#### Notes

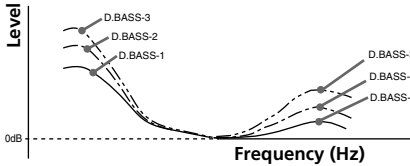
- When the BAL (balance) or FAD (fader) in "Adjusting the sound characteristics" is adjusted, the MBP setting returns OFF.
- When MBP is set to OFF, the BAL and FAD setting is activated.

# Boosting the bass sound

## — D-bass

You can enjoy a clear and powerful bass sound. The D-bass function boosts the low frequency signal 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)** (D-BASS) button.



### Adjusting the bass curve

Press **(D)** (D-BASS) repeatedly to select the desired bass curve.

As the D-BASS number increases so does the effect.

#### Note

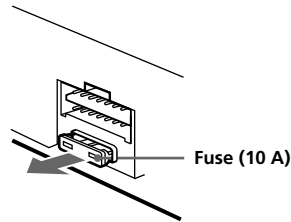
The bass sound may distort at same volume. If the bass sound distorts, select less effective bass curve.

# Additional Information

## Maintenance

### Fuse replacement

When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

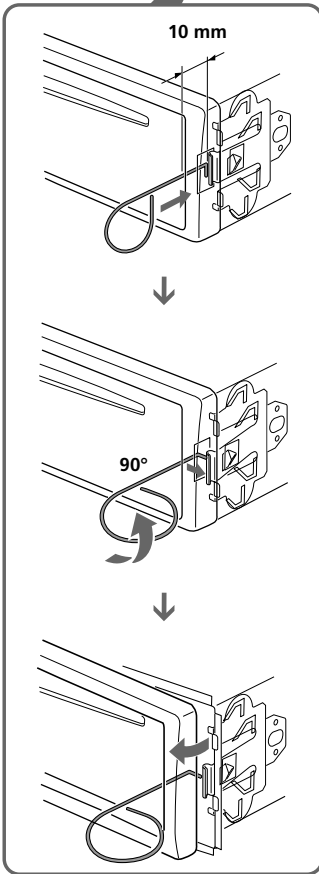
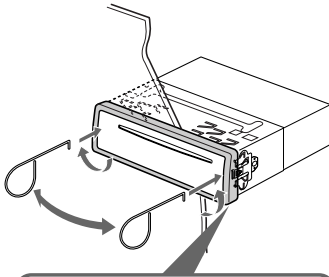


### Warning

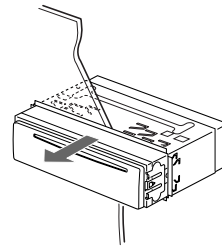
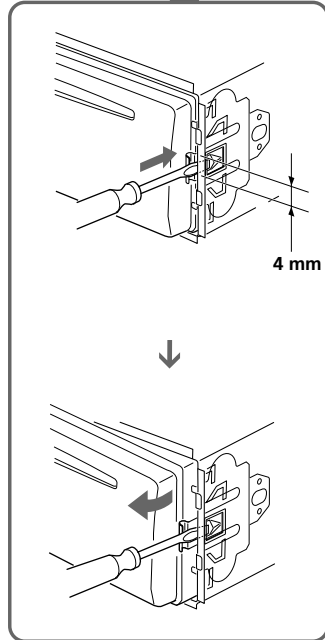
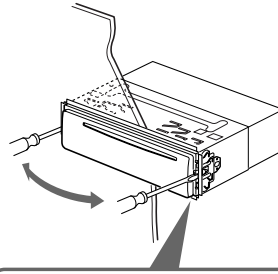
Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

# Removing the unit

1 Insert the supplied tool between the unit and the frame, and rotate 90° to release the hidden mounting spring. Repeat on the opposite side and remove the frame.



2 Insert a flathead screwdriver between the bracket and mounting spring. Gently pry the spring toward the unit while pulling the unit out a little. Repeat on the opposite side and remove the unit.



# Specifications

## CD player section

Signal-to-noise ratio	90 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit

## Tuner section

### FM

Tuning range	FM tuning interval: 50 kHz/200 kHz switchable 87.5 – 108 MHz (at 50 kHz step) 87.5 – 107.9 MHz (at 200 kHz step)
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz
Usable sensitivity	11 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)
Harmonic distortion at 1 kHz	0.7 % (stereo), 0.5 % (mono)
Separation	33 dB at 1 kHz
Frequency response	30 – 15,000 Hz

### AM

Tuning range	AM tuning interval: 9 kHz/10 kHz switchable 531 – 1,602 kHz (at 9 kHz step) 530 – 1,710 kHz (at 10 kHz step)
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 $\mu$ V

## Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	45 W $\times$ 4 (at 4 ohms)

## General

Outputs	Audio outputs Power aerial relay control lead
Tone controls	Bass $\pm$ 9 dB at 100 Hz Treble $\pm$ 9 dB at 10 kHz
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 $\times$ 50 $\times$ 176 mm (w/h/d)
Mounting dimensions	Approx. 182 $\times$ 53 $\times$ 161 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set)

### Note

*This unit cannot be connected to a digital preamplifier or an equalizer.*

*Design and specifications are subject to change without notice.*

---

# Troubleshooting

The following checklist will help you remedy problems you may encounter with your unit. Before going through the checklist below, check the connection and operating procedures.

---

## General

---

### No sound.

- Press the volume + button to adjust the volume.
- Cancel the ATT function.
- Set the fader control to the centre position for a 2-speaker system.

---

### The contents of the memory have been erased.

- The reset button has been pressed.
  - Store again into the memory.
- The power cord or battery has been disconnected.
- The power connecting cord is not connected properly.

---

### No beep sound.

- The beep sound is cancelled (page 11).
- An optional power amplifier is connected and you are not using the built-in amplifier.

---

### Indications disappear from/do not appear in the display.

The clock display disappears if you press **(OFF)** for 2 seconds.  
→ Press **(OFF)** again for 2 seconds to display the clock.

---

### Stored stations and correct time are erased. The fuse has blown.

### Makes noise when the ignition key is in the ON, ACC, or OFF position.

The leads are not matched correctly with the car's accessory power connector.

---

### No power is being supplied to the unit.

- Check the connection. If everything is in order, check the fuse.
- The car does not have an ACC position.
  - Press **(SRC)** (or insert a disc) to turn on the unit.

---

### The power is continuously supplied to the unit.

The car does not have an ACC position.

---

### The power aerial does not extend.

The power aerial does not have a relay box.

---

## CD playback

---

### A disc cannot be loaded.

- Another CD is already loaded.
- The CD is forcibly inserted upside down or in the wrong way.

---

### Playback does not begin.

- Dirty or defective disc.
- CD-R/CD-RW that is not finalized.
- You tried to play back a CD-R/CD-RW not designed for audio use.
- Some CD-Rs/CD-RWs may not play due to its recording equipment or the disc condition.

---

### A disc is automatically ejected.

The ambient temperature exceeds 50°C.

---

### CD will not be ejected.

### The operation buttons do not function.

Press the reset button.

---

### The sound skips from vibration.

- The unit is installed at an angle of more than 60°.
- The unit is not installed in a sturdy part of the car.

---

### The sound skips.

Dirty or defective disc.

---

## Radio reception

---

### Preset tuning is not possible.

- Store the correct frequency in the memory.
- The broadcast signal is too weak.

---

### The stations cannot be received.

### The sound is hampered by noises.

- Connect a power aerial control lead (blue) or accessory power supply lead (red) to the power supply lead of a car's aerial booster. (Only when your car has built-in FM/AM aerial in the rear/side glass.)
- Check the connection of the car aerial.
- The auto aerial will not go up.
  - Check the connection of the power aerial control lead.
- Check the frequency.

---

### Automatic tuning is not possible.

- The local seek mode is set to "ON."
  - Set the local seek mode to "OFF" (page 10).
- The broadcast signal is too weak.
  - Perform manual tuning.

---

continue to next page →

---

**The "ST" indication flashes.**

- Tune in the frequency accurately.
  - The broadcast signal is too weak.
    - Set to the monaural reception mode (page 10).
- 

**A programme broadcast in stereo is heard in monaural.**

- The unit is in monaural reception mode.
- Cancel monaural reception mode (page 10).
- 

---

## Error displays

### Error displays

The following indications will flash for a while.

---

*E-04*

- A CD is dirty or inserted upside down.
- Clean or insert the CD correctly.
- 

*E-99*

- The CD unit cannot be operated because of some problem.
- Press the reset button on the unit.
- 

If these solutions do not help improve the situation, consult your nearest Sony dealer.





---

# 鳴謝惠顧！

感謝惠購 Sony CD 唱碟放音機。您可享用本機  
的各種功能：

# 目錄

控制鍵的位置 .....	4
使用前須知事項 .....	5
CD 唱碟須知 .....	5
<b>準備工作</b>	
復位本機 .....	6
設定時鐘 .....	7
<b>CD 收音機</b>	
收聽 CD .....	7
顯示項目 .....	8
反覆播放曲目	
— 反覆播放功能 .....	8
以任意順序播放曲目	
— 任選播放 .....	8
<b>收音機</b>	
顯示項目 .....	9
自動記憶電臺	
— 最佳調諧記憶功能 (BTM) .....	9
收聽所記憶的電臺 .....	10
僅記憶所要的電臺 .....	10

## 其它功能

調節音響特性 .....	11
減弱音量 .....	11
取消“嘟嘟”警告聲功能 .....	11
選擇收听位置	
— 我的最佳音響位置 (MBP) .....	11
增強低音	
— D 式低音 .....	12

## 附加資訊

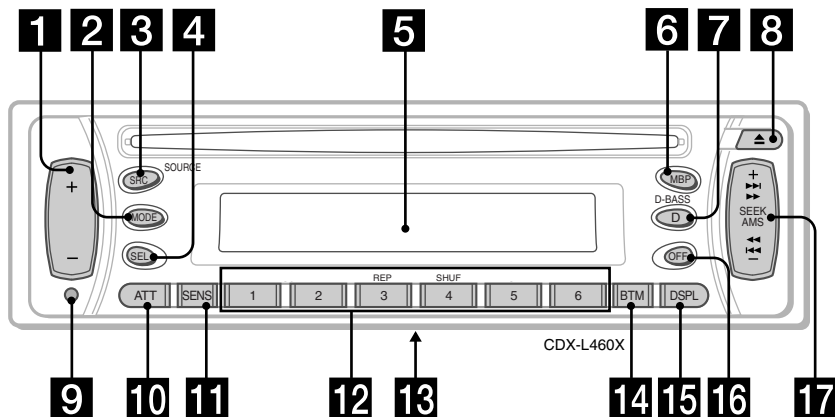
保養 .....	12
如何取出本機 .....	13
規格 .....	14
故障排除 .....	15
出錯顯示 .....	16

# 控制鍵的位置

詳細說明，請參見有關頁面。

**CD**：播放 CD 中

**RADIO**：聽收音機中



**1** 音量 +/- 鍵 7, 11

**2** MODE 鍵

**RADIO** 9, 10

**3** SRC (SOURCE) (Radio/CD) 鍵 7, 9, 10

**4** SEL (選擇) 鍵 7, 11

**5** 顯示屏

**6** MBP (我的最佳音響位置) 鍵 11

**7** D (D-BASS) 鍵 12

**8** ▲ (排出) 鍵 7

**9** 復位鍵 6

**10** ATT (減弱音量) 鍵 11

**11** SENS 鍵 10

**12** 號碼鍵 11

**CD**

③ REP 8

④ SHUF 8

**RADIO** 9, 10

**13** 頻率選擇開關 (位於本機底部)  
參照安裝/連接說明書裡的“頻率選擇開關”。

**14** BTM 鍵 9

**15** DSPL (顯示模式變換) 鍵 7, 8, 9

**16** OFF 鍵\* 7

**17** SEEK/AMS +/- 鍵

**CD** 7

**RADIO** 10

\* 警告：當把本機安裝在點火器鑰匙開關不具有補助位置的汽車中

請確認按下 (OFF) 鍵 2 秒鐘，以在關掉發動機後關閉時鐘顯示。

當您只按下 (OFF) 鍵短暫片刻，時鐘顯示將不能關閉，並且將消耗電池。

## 使用前須知事項

- 若您的汽車停放在陽光直射的地方，則應使本機冷卻後再使用。
- 裝置打開後，動力伸縮天線將自動伸出。

若您有什麼疑問或您的機器有什麼問題，而本說明書又沒有提及，請向您附近的 Sony 經銷商諮詢。

### 濕氣凝結

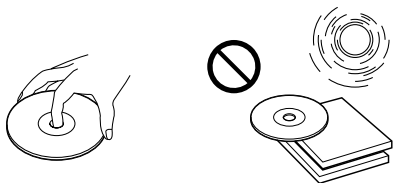
逢雨天或地處非常潮濕的環境，濕氣可能會凝結在本機的透鏡和顯示窗內。如發生這種情況，裝置將無法正常工作。此時請取出光碟，並等待約一小時，直至凝結的濕氣蒸發。

### 保養高音質

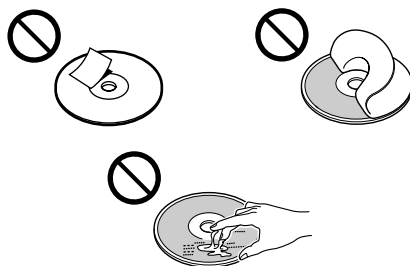
喝果汁或其他軟飲料時請當心，勿讓液體濺到本機或光碟上。

## CD 唱碟須知

- 爲了保持唱碟清潔，切勿觸摸唱碟表面。
- 請把閒置的光碟存放在它們的封套或碟片匣內。勿使光碟受熱和高溫。避免把光碟遺留在停泊的車內，儀表盤或後托架上。



- 請勿在碟面貼標籤，或播放沾染粘性印墨或殘余粘膠的光碟。一旦使用此類光碟，會導致裝置故障或損壞光碟。



- 請勿使用粘有任何標籤或貼紙的光碟。使用此類光碟可能會引起下列故障：
  - 無法退出光碟（由於標籤或貼紙剝落並阻塞退出機構）
  - 由於貼紙或標籤的熱漲冷縮導致光碟彎曲無法正確讀取音頻資料（例如：播放跳躍，或無法播放）。
- 本機不能播放非標準形狀的光碟（如，心型，正方形，星型）。若是圖示播放此類光碟，則可能損壞本機。切勿使用此類光碟。
- 您不能播放8cm規格的光碟。

續下頁 →

## 準備工作

- 播放前，請用市場銷售的清潔布清潔碟面。請從中央起由內及外地擦拭每張光碟。切勿使用酒精，稀釋劑，市場銷售的清潔劑，或留聲機唱片專用的抗靜電噴霧等溶劑。



### CD-R/CD-RW 光碟的注意事項

- 本機可播放專為音頻設計的CD-R光碟（可錄CD）/ CD-RW 光碟（可重寫CD）。注意這些標誌，來區別作為音頻使用的CD-R/CD-RW 光碟。



這些標誌表示此光碟非音頻使用。



- 本機可能無法播放某些CD-R/CD-RW 光碟（視光碟錄製時所用設備或光碟狀況而定）
- 本機無法播放尚未最終化的CD-R/CD-RW 光碟。\*

\* 為使錄製的光碟能在音頻CD播放機上播放而必需的一個處理過程。

## 復位本機

在第一次使用本機前或更換汽車電池後，必須使本機復位。

拆卸前板，然後用帶尖頭的物體，如圓珠筆，按壓復位鍵。



復位鍵

### 註

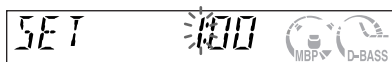
- 按壓復位鍵，將消除時鐘設定和某些已記憶的功能。

## 設定時鐘

時鐘採用 12 小時數字顯示。

例如：將時鐘設定為 10 : 08

- 1 按住 (DSPL) 鍵兩秒鐘。  
點鐘顯示閃爍。



- 1 按下音量鍵的一側以設定小時。
- 2 按下 (SEL) 鍵。  
分鐘顯示閃爍。
- 3 按下音量鍵的一側以設定分鐘。

- 2 按下 (DSPL) 鍵。



時鐘啓動。當時鐘設定完成後，即顯示正常播放模式。

## CD 收音機

### 收聽 CD

裝入 CD (標籤面朝上)。



播放即自動開始。

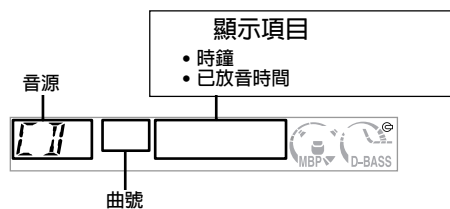
若已經裝入 CD，即請反覆按壓 (SRC) 鍵直至出現“CD”以開始播放。

要	按壓
停止播放	▲ 鍵或 (OFF) 鍵
退出 CD	▲ 鍵
跳躍樂曲 -自動音樂傳感器	(SEEK/AMS) (◀◀/▶▶) [每次跳躍一個樂曲]
快進/快倒 -手動搜索	(SEEK/AMS) (◀◀/▶▶) [按住按鈕，直至找到希望的收聽位置]

#### 註

當最後一個樂曲播完時，播放機將從光碟的首個樂曲重新開始播放。

## 顯示項目



要

按壓

切換顯示項

(DSPL)

## 反覆播放曲目

### — 反覆播放功能

當前樂曲播放結束時，即刻又重新開始此樂曲的播放。

播放中，反復按 (3) (REP) 至顯示器中出現“REP”。

要回到普通方式時，再次按壓 (3) (REP) 鍵即可。

## 以任意順序播放曲目

### — 任選播放

您能夠播放以任意順序在當前光碟上選擇的樂曲。

播放中，反復按 (4) (SHUF) 至顯示器中出現“SHUF”。

要回到普通方式時，再次按壓 (4) (SHUF) 鍵即可。



# 收音機

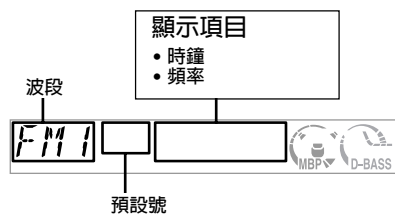
在每一波段上 (FM1, FM2, FM3, AM1, 和 AM2) 最多可存儲 6 個電臺。

## 告誡

當在駕車過程中調諧電臺時，務請使用最佳調諧記憶功能，以免發生事故。

## 顯示項目

以下項目可以被顯示。



要 按壓

切換顯示項 (DSPL)

## 自動記憶電臺

### — 最佳調諧記憶功能 (BTM)

本機可選擇信號最強的電臺，並按照它們的頻率順序加以記憶。

1 反覆按下 (SRC) 鍵，選擇調諧器。

2 反覆按下 (MODE) 鍵，選擇波段。

3 按住 (BTM) 鍵兩秒鐘。

本機按照電臺的頻率順序將電台存儲在數字鍵上。

存入了設定時，將響起“嘟嘟”聲。

### 註

- 本機不能夠存儲信號微弱的電臺。若僅接收到少數幾個電臺，則某些數字鍵仍將保留其以前的設定。
- 當顯示屏上已顯示一個數字時，本機即將從現在顯示的數字按順序開始存儲電臺。

## 收聽所記憶的電臺

- 1 反覆按下 (SRC) 鍵，選擇調諧器。
- 2 反覆按下 (MODE) 鍵，選擇波段。
- 3 按下存儲有所要電臺的數字按鈕 (① 至 ⑥)。

### 如果預設的調諧無效

#### 一 自動調諧/本地尋找模式

##### 自動調諧：

按下 (SEEK/AMS) 鍵的一側以搜索電臺（自動調諧）。

當本機接收到電臺時，掃描即停止。按下 (SEEK/AMS) 鍵的一側，至接收到所要的電臺。

##### 本地尋找模式：

若自動調諧停止過于頻繁，請反覆按下 (SENS) 鍵直至“LCL”出現。



“LCL” 指示顯示。

僅信號相對較強的電臺才會被調入。

##### 要領

若您知道想要收聽的電臺頻率，請按下 (SEEK/AMS) 鍵的一側，至顯示所要的頻率（手動調諧）。

若 FM 立體聲的收音狀況不良

#### 一 單聲道模式

收音機接收廣播中，反覆按下鍵 (SENS) 直至“MONO”出現。



“MONO” 指示顯示。

聲音狀況得到改善，但變成單聲道（“ST” 顯示消失）。

要回到普通方式時，再次按壓 (SENS) 鍵即可。

## 僅記憶所要的電臺

您可以將所需的電台手動預設在任何一個所選的數字按鈕上。

- 1 反覆按下 (SRC) 鍵，選擇調諧器。
  - 2 反覆按下 (MODE) 鍵，選擇波段。
  - 3 按下 (SEEK/AMS) 鍵的一側，調入您想要存儲在數字鍵上的電臺。
  - 4 按下所要的數字鍵 (① 至 ⑥)，至顯示“MEM”。
- 數字鍵指示即出現在顯示屏上。

##### 註

若您試圖在已存儲有電臺的數字鍵上存儲另一個電臺，則以前存入的電臺將被新電臺所取代。

## 其它功能

### 調節音響特性

您可以調節低音，高音，平衡和音量漸減。每個聲源可獨自存儲低音和高音電平。

- 1 反覆按下 **(SEL)** 鍵，選擇要調節的項目。每次按下 **(SEL)** 鍵，項目顯示變化如下：

BAS (低音) → TRE (高音) → BAL (左-右) → FAD (前-後)

- 2 按下音量鍵的一側，調節所選擇的項目。項目選好後，應在 3 秒鐘之內進行調節。

**註** 項目選好後，應在 3 秒鐘之內進行調節。

### 減弱音量

按下 **(ATT)** 鍵。

“ATT”指示出現在顯示屏上。

若要恢復原先的音量水平，再按下 **(ATT)** 一次。

## 取消“嘟嘟”警告聲功能

按壓 **(SEL)** 鍵的同時按壓 **(6)** 鍵。

要再獲得“嘟嘟”警告聲功能時，再次按壓這些鍵即可。

**註** 若您連接選購的功率放大器而不使用內置放大器，則“嘟嘟”警告聲功能將失去作用。

### 選擇收聽位置 — 我的最佳音響位置 (MBP)

當單人駕車時，您可以通過“我的最佳音響位置”享受舒適的音樂環境。

“我的最佳音響位置”有兩種預設，即調節平衡和音量控制器的聲音等級。您可以用 MBP 鍵很容易地選擇其中之一。

顯示窗	平衡等級		音量控制器等級	
	右	左	前	后
MBP-A	-4dB	0	0	-4dB
MBP-B	0	-4dB	0	-4dB
MBP-OFF	0	0	0	0

反覆按下 **(MBP)** 鍵至所要收聽的位置。

“我的最佳音響位置”模式將在顯示屏上按列表依次顯示。



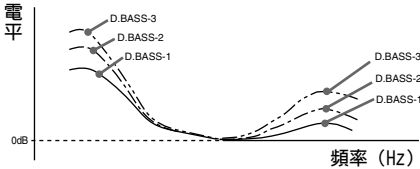
若想更準確地調節平衡和音量控制器的聲音等級，您可在 **(SEL)** 鍵上進行操作 (第11頁)。

- 註**
- 當在“調節音響特性”(第11頁)的操作中調節BAL(均衡器)或FAD(衰減器)時，MBP的設置回復為OFF。
  - 當MBP設置為OFF時，BAL和FAD的設置啓動。

## 增強低音 — D 式低音

您能享受清暫而強勁的低音。D 式低音功能比傳統的增強低音更能增強帶有銳曲線的低頻和高頻信號。

即使歌聲處於同一音量上，您也能更清暫地聽到低音線，您可以很容易地用 **(D)** (D-BASS) 鍵加強和調整低音。



### 調整低音曲線

反覆按下 **(D)** (D-BASS) 鍵，選擇所要的低音曲線。

隨著 D-BASS 數字的增加，將產生不同的效果。

### 註

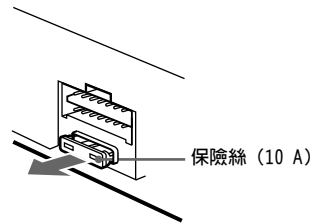
同樣的音量水平，隨低音增加，其聲音可能會失真，此情況下，請選擇低音增加效果較少的低音曲線。

## 附加資訊

### 保養

#### 更換保險絲

更換保險絲時，必須確保所使用的保險絲與原保險絲的安培數相配。若保險絲燒斷，請檢查電源連接並再更換保險絲。若保險絲更換後又被燒斷，則可能是內部故障。在這種情況下，請向您附近的 Sony 經銷商諮詢。

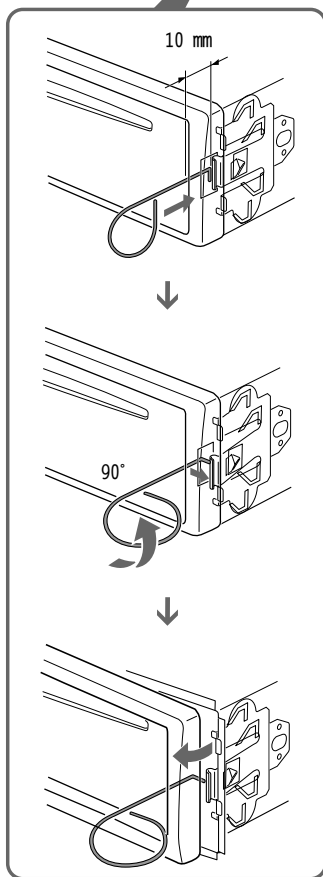
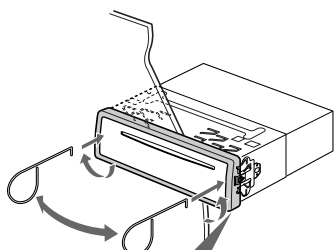


### 警告

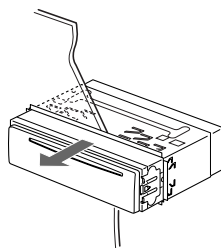
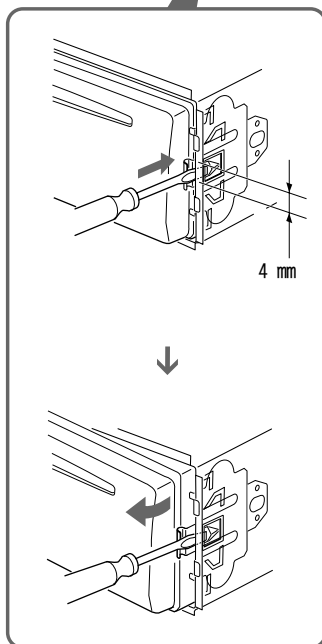
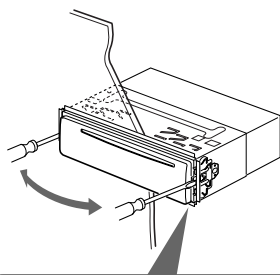
切勿使用額定安培數超過本機附帶保險絲安培數的保險絲。否則，將會損壞本機。

## 如何取出本機

- 1 將提供的工具插入本機和機框之間，並旋轉 90° 以解除隱藏的安裝彈簧扣。在相對應的另一邊重複上述操作，然後拆下機框。



- 2 將平頭螺絲刀插入支架和安裝彈簧扣之間。在將本機稍微拉出時，將彈簧扣朝本機體方面輕輕撬起。在相對應的另一邊重複上述操作，然後拆下本機。



# 規格

## CD 收音機部分

信噪比	90 dB
頻率響應	10 - 20,000 Hz
抖晃度	可測限度以下

## 調諧器部分

### FM

調諧範圍	FM 調諧間隔： 50 kHz/200 kHz 可切換 87.5 - 108 MHz (50 kHz 步進時) 87.5 - 107.9 MHz (200 kHz 步進時) 外接天線連接器 10.7 MHz
天線終端	11 dBf
中頻	75 dB (400 kHz 時)
可用靈敏度	65 dB (立體聲)，
選擇度	68 dB (單耳聲)，
信噪比	0.7 % (立體聲)， 0.5 % (單耳聲)
諧波失真，1 kHz 時	33 dB (1 kHz 時)
分離度	30 - 15,000 Hz
頻率響應	

### AM

調諧範圍	AM 調諧間隔： 9 kHz/10 kHz 可切換 531 - 1,602 kHz (9 kHz 步進時) 530 - 1,710 kHz (10 kHz 步進時) 外接天線連接器 10.7 MHz/450 kHz
天線終端	30 $\mu$ V
中頻	
靈敏度	

## 功率放大器部分

輸出	揚聲器輸出 (可靠密封連接器)
揚聲器阻抗	4 - 8 $\Omega$
最大功率輸出	45 W $\times$ 4 (4 $\Omega$ 時)

## 總體

輸出	聲頻輸出 電動天線繼電控制導線
音調控制	低音 $\pm$ 9 dB (100 Hz 時) 高音 $\pm$ 9 dB (10 kHz 時)
電源	12 V DC 汽車電池 (負接地)
尺寸	約 178 $\times$ 50 $\times$ 176 mm (寬/高/深)
安裝尺寸	約 182 $\times$ 53 $\times$ 161 mm (寬/高/深)
重量	約 1.2 kg
提供的附件	安裝和連接用部件 (一套) 前板盒 (1)

## 註

本机不可以连接到數碼前置放大器或均衡器上。

設計和規格若有變更，恕不另行通知。

## 故障排除

下列檢查表有助於解決您使用本機時可能遇到的問題。

在使用下面的檢查表之前，請檢查連接和操作步驟是否正確。

### 概述

#### 無聲。

- 按下音量 (+) 按鈕調節音量。
- 取消 ATT 功能
- 將雙路揚聲器系統的顯隱控制鍵設定在中心位置。

#### 記憶功能內容被消除。

- 復位鍵被按壓了。  
→ 再將設定存入記憶功能。
- 電源線或電池已被斷開。
- 電源連接線未被正確連接。

#### 無“嘟嘟”警告聲。

- “嘟嘟”警告聲功能被取消了（第 11 頁）。
- 如果接用了一選購件放大器而不用內裝放大器時，嘟嘟聲即被去激活（變成無效）。

#### 指示項從顯示屏上消失/未出現在顯示屏上。

如果您按住 (OFF) 按鈕兩秒，時鐘顯示將消失。

→ 再次按住 (OFF) 按鈕兩秒可使時鐘顯示。

#### 儲存之電台及正確走時被消除。

保險絲已熔斷。

點火匙處於ON, ACC或OFF位置時，裝置會產生噪聲。

導線與汽車的附件電源連接器未正確匹配。

#### 裝置無供電。

- 檢查電源的連接。如果一切正常，檢查保險絲。
- 汽車不具有ACC位。  
→ 按下 (SRC) 按鈕(或裝入一張光碟)，使裝置開啓。

#### 裝置有持續供電。

汽車不具有ACC位。

#### 動力伸縮天線不能伸出。

動力伸縮天線未裝繼電器。

## 播放 CD

#### 唱碟無法裝入。

- 已裝有其他 CD。
- 光碟被上下顛倒地或以錯誤的方式用力插入裝置。

#### 播放無法開始。

- 弄臟或受損的光碟。
- 未完成最後刻錄過程的CD-R/CD-RW光碟。
- 您試圖播放非音頻使用的CD-R/CD-RW光碟。
- 因其刻錄設備或光碟狀況的緣故，某些CD-R/CD-RW光碟可能無法播放。

#### CD 被自動排出。

環境溫度超過 50°C。

#### CD 不能排出。

#### 操作鍵不起作用。

按壓復位鍵。

#### 因振動發生跳音。

- 機器安裝的角度超過 60°。
- 沒將機器安裝在汽車的結實穩固的部件上。

#### 跳音。

弄臟或受損的光碟。

## 廣播收音

#### 無法預設調諧。

- 記憶正確的頻率。
- 廣播信號太弱。

#### 不能接收到電台。

#### 播音受到噪聲的阻礙。

- 將電動天線控制導線（藍色）或附件的供電線（紅色）連接到汽車天線增壓器的供電線上。（在後/側車窗內裝有 FM/AM 天線的車輛為限。）
- 檢查汽車天線的連接。
- 汽車天線不能上升。  
→ 檢查動力伸縮天線控制導線的連接。
- 檢查頻率。

#### 無法自動調諧。

- 本地搜尋模式設定在“ON”。  
→ 將本地搜尋模式設定在“OFF”（第 10 頁）。
- 廣播信號太弱。  
→ 使用手動調諧。

續下頁 →

---

“ST” 指示閃爍。

- 精確地調諧電臺頻率。
- 廣播信號太弱。
  - 設定在 “MONO ” 模式 (第 10 頁)。

---

立體聲廣播節目被以單聲道收听。

- 裝置工作在單聲道模式。
  - 取消單聲道模式 (第 10 頁)。

---

## 出錯顯示

### 出錯顯示

下述指示將閃爍 一段時間。

---

#### **E-04**

- CD 髒了或 CD 裝反了面。
  - 將 CD 擦拭乾淨或正確地裝入 CD。

---

#### **E-99**

- 因某些原因 CD 放音機無法工作。
  - 按壓復位鍵。

---

若上述解決方法無助於改善狀況，請向您附近的 Sony 經銷商諮詢。