4-149-110-21(1)

# SONY®

# FM/AM Compact Disc Player

Operating Instructions _	US
Mode d'emploi	FR

# Owner's Record

The model and serial numbers are located on the bottom of the unit.

Record these numbers in the spaces provided below.

Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. \_\_\_\_\_\_\_ Serial No. \_\_\_\_\_\_

To cancel the demonstration (DEMO) display, see page 4.
Pour annuler l'affichage de démonstration (DEMO), reportez-vous à la page 4.

CDX-GT340 CDX-GT240



©2009 Sony Corporation

Be sure to install this unit in the dashboard of the car for safety. For installation and connections, see the supplied installation/ connections manual.

# Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help,

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

#### **CAUTION**

The use of optical instruments with this product will increase eye hazard.

### For the state of california, USA only

Perchlorate Material – special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate Perchlorate Material: Lithium battery contains perchlorate

#### CDX-GT340 only



The "HD Radio Ready" logo indicates that this product will control a Sony HD Radio™ tuner (sold separately).

For HD Radio<sup>™</sup> tuner operation, please refer to the HD Radio<sup>™</sup> tuner Operating Instructions.

HD Radio™ and the HD Radio Ready logo are proprietary trademarks of iBiquity Digital Corp.

#### CDX-GT340 only



The "SAT Radio Ready" logo indicates that this product will control a satellite radio tuner module (sold

separately). Please see your nearest authorized Sony dealer for details on the satellite radio tuner module.

"SAT Radio," "SAT Radio Ready," the SAT Radio and SAT Radio Ready logos and all related marks are trademarks of Sirius XM Radio Inc. and XM Satellite Radio Inc.



Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the

United States and/or other countries.

MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson,

This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.

# Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function (page 10). The unit will shut off completely and automatically in the set time after the unit is turned off, which prevents battery drain. If you do not set the Auto Off function, press and hold (SOURCE/OFF) until the display disappears each time you turn the ignition off.

# **Table of Contents**

Getting Started
Playable discs on this unit
Location of controls and basic operations
Main unit
Radio
Storing and receiving stations 8 Storing automatically — BTM 8 Storing manually 8 Receiving the stored stations 7 Tuning automatically 8 RDS 8 Overview 8 Selecting PTY 8 Setting CT 9
CD
Display items
Other functions
Changing the sound settings
Auxiliary audio equipment

# **Additional Information**

Precautions
Notes on discs
Playback order of MP3/WMA files 13
About MP3 files
About WMA files
Maintenance
Removing the unit
Specifications
Troubleshooting
Error displays/Messages

# Getting Started Playable discs on this unit

This unit can play CD-DA (also containing CD TEXT) and CD-R/CD-RW (MP3/WMA files (page 13)).

Type of discs	Label on the disc	
CD-DA	DIGITAL AUDIO	DIGITAL AUDIO ReWritable
MP3 WMA	COMPACT DIGITAL AUDIO RECOVIDED COMPACT RECOVIDED RECOVIDED	COMPACT DIGITAL AUDIO REWritable COMPACT REWritable ReWritable

# Resetting the unit (CDX-GT340 only)

Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit.

Detach the front panel (page 5) and press the RESET button (page 6) with a pointed object, such as a ball-point pen.

#### Note

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

# Canceling the DEMO mode

You can cancel the demonstration display which appears during turning off.

- 1 Press and hold the select button. The setup display appears.
- 2 Press the select button repeatedly until "DEMO" appears.
- 3 Rotate the control dial to select "DEMO-OFF."
- 4 Press and hold the select button. The setup is complete and the display returns to normal reception/play mode.

# Preparing the card remote commander (CDX-GT340 only)

Remove the insulation film,



Tip
For how to replace the battery, see page 13.

# Setting the clock

The clock uses a 12-hour digital indication.

- 1 Press and hold the select button. The setup display appears.
- 2 Press the select button repeatedly until "CLOCK-ADJ" appears.
- 3 Press (SEEK) +.
  The hour indication flashes.
- 4 Rotate the control dial to set the hour and minute.

To move the digital indication, press (SEEK)

5 After setting the minute, press the select button.

The setup is complete and the clock starts.

To display the clock, press (DSPL/SCRL). Press (DSPL/SCRL) again to return to the previous display.

#### Tip

You can set the clock automatically with the RDS feature (page 9).

# **Detaching the front panel**

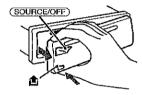
You can detach the front panel of this unit to prevent theft.

# Caution alarm

If you turn the ignition switch to the OFF position without detaching the front panel, the caution alarm will sound for a few seconds.

The alarm will only sound if the built-in amplifier is used.

- Press and hold (SOURCE/OFF). The unit is turned off.
- 2 Press a, then pull it off towards you.

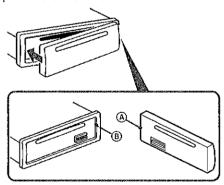


#### Notes

- . Do not drop or put excessive pressure on the front
- panel and display window. Do not subject the front panel to heat/high temperature or moisture. Avoid leaving it in a parked car or on a dashboard/rear tray.

# Attaching the front panel

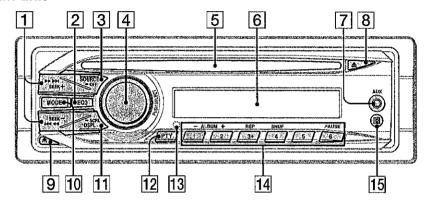
Engage part (A) of the front panel with part (B) of the unit, as illustrated, and push the left side into position until it clicks.



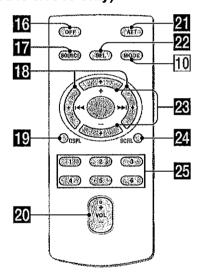
Do not put anything on the inner surface of the front

# **Location of controls and basic operations**

#### Main unit



# Card remote commander RM-X151 (CDX-GT340 only)



This section contains instructions on the location of controls and basic operations.

For details, see the respective pages.

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

# 1 SEEK +/- buttons

#### CD:

on the unit.

To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).

# Radio:

To tune in stations automatically (press); find a station manually (press and hold).

# 2 EQ3 (equalizer) button page 10

To select an equalizer type (XPLOD, VOCAL, EDGE, CRUISE, SPACE, GRAVITY, CUSTOM or OFF).

### 3 SOURCE/OFF button\*1

Press to turn on the power/change the source (Radio/CD/AUX).
Press for 1 second to turn off the power.
Press for more than 2 seconds to turn off the power and the display disappears.

### 4 Control dial/select button page 10

To adjust volume (rotate); select setup items (press and rotate).

#### 5 Disc slot

Insert the disc (label side up), playback starts.

### 6 Display window

- 7 AUX input jack page 11 To connect a portable audio device.
- 8 ▲ (eject) button To eject the disc.
- 9 & (front panel release) button page 5
- 10 MODE button\*1 page 8 To select the radio band (FM/AM),
- 11 DSPL (display)/SCRL (scroll) button page 8, 9 To change display items (press); scroll the
- 12 PTY/CAT\*2 button (CDX-GT340) page 8 To select PTY in RDS.

display item (press and hold).

PTY button (CDX-GT240) page 8

To select PTY in RDS.

- 13 RESET button (located behind the front panel) (CDX-GT340 only) page 4
- 14 Number buttons

CD:

(1)/(2): **ALBUM** -/+ (during MP3/WMA playback)

To skip albums (press); skip albums continuously (press and hold).

- ③: REP\*3 page 9 ④: SHUF page 9
- (6): PAUSE

To pause playback. To cancel, press again.

Radio:

To receive stored stations (press); store stations (press and hold).

15 Receptor for the card remote commander

The following buttons on the card remote commander have also different buttons/functions from the unit. Remove the insulation film before use (page 4).

16 OFF button

To turn off; stop the source.

SOURCE button\*1

To turn on; change the source (Radio/CD/ AUX).

18 ← (I◄◄)/→ (▶►I) buttons

To control radio/CD, the same as (SEEK) -/+ on the unit.

Setup, sound setting, etc., can be operated by

19 DSPL (display) button

To change display items.

- 20 VOL (volume) +\*3/- button To adjust volume.
- 21 ATT (attenuate) button

To attenuate the sound. To cancel, press

22 SEL (select) button

The same as the select button on the unit.

**图** ↑ (+)/↓ (-) buttons

To control CD, the same as (1)/(2)(ALBUM -/+) on the unit.

Setup, sound setting, etc., can be operated by

**↑↓** 

24 SCRL (scroll) button

To scroll the display item.

25 Number buttons

To receive stored stations (press); store stations (press and hold).

- \*1 If an HD Radio tuner or SAT tuner is connected: when (SOURCE/OFF) is pressed, the connected device ("HD," "XM" or "SR") will appear in the display. Furthermore, if MODE) is pressed, you can switch the HD Radio tuner band or SAT tuner band (CDX-GT340 only).
- \*2 When the SAT tuner is connected.
- \*3 This button has a tactile dot.

If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE/OFF) on the unit is pressed, or a disc is inserted to activate the unit first.

# Radio

# Storing and receiving stations

#### Caution

When tuning in stations while driving, use Best Tuning Memory (BTM) to prevent an accident.

# Storing automatically — BTM

1 Press (SOURCE/OFF) repeatedly until "TUNER" appears.

To change the band, press (MODE) repeatedly, You can select from FM1, FM2, FM3, AM1 or AM2.

- **2** Press and hold the select button. The setup display appears.
- 3 Press the select button repeatedly until "BTM" appears.
- 4 Press (SEEK) +.

The unit stores stations in order of frequency on the number buttons.

A beep sounds when the setting is stored.

# Storing manually

While receiving the station that you want to store, press and hold a number button (1 to 6) until "MEM" or "MEMORY" appears.

#### Note

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

### Receiving the stored stations

1 Select the band, then press a number button (1 to 6).

## **Tuning automatically**

1 Select the band, then press (SEEK) +/- to search for the station.

Scanning stops when the unit receives a station. Repeat this procedure until the desired station is received.

#### Tip

If you know the frequency of the station you want to listen to, press and hold (SEEK) +/- to locate the approximate frequency, then press (SEEK) +/- repeatedly to fine adjust to the desired frequency (manual tuning).

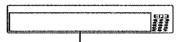
# RDS

#### Overview

FM stations with Radio Data System (RDS) service send inaudible digital information along with the regular radio program signal.

### Display items

Example: CDX-GT340



Program service name, Clock, Frequency\*, Preset number

\* While receiving the RDS station, "\*" is displayed on the left of the frequency indication.

To change display items, press (DSPL/SCRL).

#### **RDS** services

This unit automatically provides RDS services as follows:

# PTY (Program Types)

Displays the currently received program type. Also searches your selected program type.

# CT (Clock Time)

The CT data from the RDS transmission sets the clock.

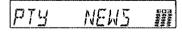
#### Notes

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

### **Selecting PTY**

1 Press (PTY) during FM reception.

Example: CDX-GT340



The current program type name appears if the station is transmitting PTY data.

- 2 Press (PTY) repeatedly until the desired program type appears.
- 3 Press (SEEK) +/-.

The unit starts to search for a station broadcasting the selected program type.

### Type of programs

NEWS (News), INFORM (Information), SPORTS (Sports), TALK (Talk), ROCK (Rock), CLS ROCK (Classic Rock), ADLT HIT (Adult Hits), SOFT RCK (Soft Rock), TOP 40 (Top 40), COUNTRY (Country), OLDIES (Oldies), SOFT (Soft), NOSTALGA (Nostalgia), JAZZ (Jazz), CLASSICL (Classical), R AND B (Rhythm and Blues), SOFT R B (Soft Rhythm and Blues), LANGUAGE (Foreign Language), REL MUSC (Religious Music), REL TALK (Religious Talk), PERSNLTY (Personality), PUBLIC (Public), COLLEGE (College), WEATHER (Weather)

#### Notes

- You cannot use this function in countries/regions where no PTY data is available.
- You may receive a different radio program from the one you select.

### **Setting CT**

# 1 Set "CT-ON" in setup (page 10).

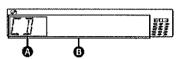
#### Notes

- 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.

# CD

# Display items

Example: CDX-GT340



- Source (CDX-GT340 only)
- Track name\*1, Disc/artist name\*1, Artist name\*1, Album number\*2, Album name\*1, Track number/Elapsed playing time, Clock
- \*1 The information of a CD TEXT, MP3/WMA is displayed.
- \*2 Album number is displayed only when the album is changed.

To change display items **B**, press (DSPL/SCRL),

#### Tip

Displayed items may differ depending on model, disc type, recording format and settings. For details on MP3/WMA, see page 13.

# Repeat and shuffle play

During playback, press (3) (REP) or (4) (SHUF) repeatedly until the desired setting appears.

Select	To play	
G TRACK	track repeatedly.	
	album repeatedly.	
SHUF ALBUM*	album in random order.	
SHUF DISC	disc in random order.	

<sup>\*</sup> When an MP3/WMA is played.

To return to normal play mode, select "

OFF" or "SHUF OFF."

# Other functions

# Changing the sound settings

# Adjusting the sound characteristics — BAL/FAD/SUB

You can adjust the balance, fader, and subwoofer volume

1 Press the select button repeatedly until "BAL," "FAD" or "SUB" appears.
The item changes as follows:

LOW\*¹ → MID\*¹ → HI\*¹ →
BAL (left-right) → FAD (front-rear) →
SUB (subwoofer volume)\*² → AUX\*³

- \*1 When EQ3 is activated (page 10).
- \*2 When the audio output is set to "SUB-OUT" (page 10).
  - "ATT" is displayed at the lowest setting, and can be adjusted up to 21 steps.
- \*3 When AUX source is activated (page 11).
- 2 Rotate the control dial to adjust the selected item.

After 5 seconds, the setting is complete and the display returns to normal reception/play mode.

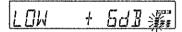
# Customizing the equalizer curve — EQ3

"CUSTOM" of EQ3 allows you to make your own equalizer settings.

- 1 Select a source, then press EQ3 repeatedly to select "CUSTOM."
- 2 Press the select button repeatedly until "LOW," "MID" or "HI" appears.
- 3 Rotate the control dial to adjust the selected item.

The volume level is adjustable in 1 dB steps, from -10 dB to +10 dB.

Example: CDX-GT340



Repeat steps 2 and 3 to adjust the equalizer curve,

To restore the factory-set equalizer curve, press and hold the select button before the setting is complete.

After 5 seconds, the setting is complete and the display returns to normal reception/play mode.

Tin

Other equalizer types are also adjustable.

# Adjusting setup items — SET

- 1 Press and hold the select button.
  The setup display appears.
- 2 Press the select button repeatedly until the desired item appears.
- 3 Rotate the control dial to select the setting (example "ON" or "OFF").
- 4 Press and hold the select button.

  The setup is complete and the display returns to normal reception/play mode.

#### Note

Displayed items will differ, depending on the source and setting.

The following items can be set (follow the page reference for details):

# CLOCK-ADJ (Clock Adjust) (page 4)

CT (Clock Time)

Activates the CT function: "ON," "OFF" (page 8, 9).

#### BEEP

Activates the beep sound: "ON," "OFF."

#### AUX-A\*1 (AUX Audio)

Activates the AUX source display: "ON," "OFF" (page 11).

# A.OFF (Auto Off)

Shuts off automatically after a desired time when the unit is turned off: "NO," "30S (Seconds)," "30M (Minutes)," "60M (Minutes)."

### SUB/REAR\*1

Switches the audio output: "SUB-OUT" (subwoofer), "REAR-OUT" (power amplifier).

# **DEMO** (Demonstration)

Activates the demonstration: "ON," "OFF."

# DIM (Dimmer)

Changes the display brightness: "ON," "OFF."

# M.DSPL (Motion Display)

#### CDX-GT340

- -"SA": to show moving patterns and spectrum analyzer.
- -"OFF": to deactivate the Motion Display.

### CDX-GT240

- -"ON": to show moving patterns.
- -"OFF": to deactivate the Motion Display.

### A.SCRL (Auto Scroll)

Scrolls long items automatically: "ON," "OFF."

#### LOCAL (Local Seek Mode)

- -"ON": to only tune into stations with stronger signals.
- -"OFF": to tune normal reception.

#### MONO\*2 (Monaural Mode)

Selects monaural reception mode to improve poor FM reception: "ON," "OFF."

# LPF\*3 (Low Pass Filter)

Selects the subwoofer cut-off frequency: "OFF," "80Hz," "100Hz," "120Hz," "140Hz," "160Hz."

# LPF NORM/REV\*3 (Low Pass Filter Normal/Reverse)

Selects the subwoofer phase: "NORM," "REV."

#### HPF (High Pass Filter)

Selects the front/rear speaker cut-off frequency: "OFF," "80Hz," "100Hz," "120Hz," "140Hz," "160Hz."

### LOUD (Loudness)

Reinforces bass and treble for clear sound at low volume levels: "ON," "OFF."

# BTM (page 8)

- \*1 When the unit is turned off.
- \*2. When FM is received.
- \*3 When the audio output is set to "SUB-OUT."

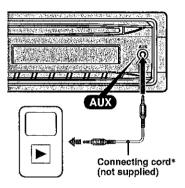
# Using optional equipment

### Auxiliary audio equipment

By connecting an optional portable audio device to the AUX input jack (stereo mini jack) on the unit and then simply selecting the source, you can listen on your car speakers. The volume level is adjustable for any difference between the unit and the portable audio device. Follow the procedure below:

# Connecting the portable audio device

- 1 Turn off the portable audio device.
- 2 Turn down the volume on the unit.
- 3 Connect to the unit.



\* Be sure to use a straight type plug.

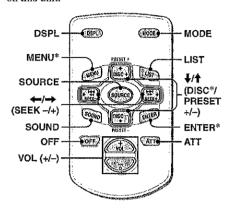
# Adjust the volume level

Be sure to adjust the volume for each connected audio device before playback.

- 1 Turn down the volume on the unit.
- **2** Press (SOURCE/OFF) repeatedly until "AUX" appears.
  - "FRONT IN" or "AUX FRONT IN" appears.
- **3** Start playback of the portable audio device at a moderate volume.
- 4 Set your usual listening volume on the unit.
- 5 Press the select button repeatedly until "AUX" appears, and rotate the control dial to adjust the input level (-8 dB to +18 dB).

# Card remote commander RM-X114 (for CDX-GT240)

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



The following buttons on the card remote commander have also different buttons/functions from the unit.

- DSPL (display) button To change display items.
- SOURCE button
  To turn on; change the source (Radio/CD/
- ←/→ (SEEK -/+) buttons
  To control radio/CD, the same as (SEEK)
- -/+ on the unit.SOUND buttonThe same as the select button on the unit.
- OFF button
  To turn off; stop the source.
- LIST button
  To select PTY in RDS.
- ↑/↓ (DISC\*/PRESET +/-) buttons To control CD, the same as ①/② (ALBUM -/+) buttons on the unit.
- ATT (attenuate) button
  To attenuate the sound. To cancel, press again.
- \* Not available for this unit.

#### Note

If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE/OFF) on the unit is pressed, or a disc is inserted to activate the unit first.

# **Additional Information**

# **Precautions**

- Cool off the unit beforehand if your car has been parked in direct sunlight.
- · Power antenna (aerial) extends automatically.

#### Moisture condensation

Should moisture condensation occur inside the unit, remove the disc and wait for about an hour for it to dry out; otherwise the unit will not operate properly.

### To maintain high sound quality

Do not splash liquid onto the unit or discs.

#### Notes on discs

- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.
- Before playing, wipe the discs with a cleaning cloth from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners.
- This unit is designed to playback discs that conform to the Compact Disc (CD) standard. DualDiscs and some of the music discs encoded with copyright protection technologies do not conform to the Compact Disc (CD) standard, therefore, these discs may not be playable by this unit.

# Discs that this unit CANNOT play

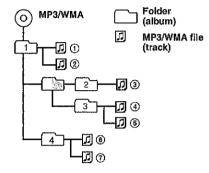
- Discs with labels, stickers, or sticky tape or paper attached. Doing so may cause a malfunction, or may ruin the disc.
- Discs with non-standard shapes (e.g., heart, square, star). Attempting to do so may damage the unit.
- $-8 \text{ cm } (3^{1}/4 \text{ in}) \text{ discs.}$

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

- The maximum number of: (CD-R/CD-RW only)
- folders (albums): 150 (including root folder)
- files (tracks) and folders: 300 (may less than 300 if folder/file names contain many characters)
- displayable characters for a folder/file name: 32 (Joliet)/64 (Romeo)
- If the multi-session disc begins with a CD-DA session, it is recognized as a CD-DA disc, and other sessions are not played back.
- Discs that this unit CANNOT play
- CD-R/CD-RW of poor recording quality.
- CD-R/CD-RW recorded with an incompatible recording device.
- CD-R/CD-RW which is finalized incorrectly.

 CD-R/CD-RW other than those recorded in music CD format or MP3 format conforming to ISO9660 Level 1/Level 2, Joliet/Romeo or multi-session.

### Playback order of MP3/WMA files



#### **About MP3 files**

- MP3, which stands for MPEG-1 Audio Layer-3, is a music file compression format standard. It compresses audio CD data to approximately 1/10 of its original size.
- ID3 tag versions 1.0, 1.1, 2.2, 2.3 and 2.4 apply to MP3 only, ID3 tag is 15/30 characters (1.0 and 1.1), or 63/126 characters (2.2, 2.3 and 2.4).
- When naming an MP3 file, be sure to add the file extension ".mp3" to the file name.
- During playback or fast-forward/reverse of a VBR (Variable Bit Rate) MP3 file, elapsed playing time may not display accurately.

### Note

If you play a high-bit-rate MP3, such as 320 kbps, sound may be intermittent.

# **About WMA files**

- WMA, which stands for Windows Media Audio, is a music file compression format standard. It compresses audio CD data to approximately 1/22\* of its original size,
- · WMA tag is 63 characters.
- When naming a WMA file, be sure to add the file extension ".wma" to the file name.
- During playback or fast-forward/reverse of a VBR (Variable Bit Rate) WMA file, elapsed playing time may not display accurately.
- \* only for 64 kbps

#### Note

Playback of the following WMA files is not supported.

- lossless compression

- copyright-protected

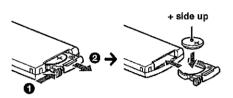
If you have any questions or problems concerning your unit that are not covered in this manual, consult your nearest Sony dealer.

# **Maintenance**

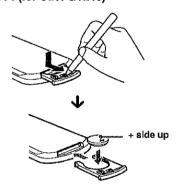
# Replacing the lithium battery of the card remote commander

Under normal conditions, the battery will last approximately 1 year. (The service life may be shorter, depending on the conditions of use.) When the battery becomes weak, the range of the card remote commander becomes shorter. Replace the battery with a new CR2025 lithium battery. Use of any other battery may present a risk of fire or explosion.

### RM-X151 (CDX-GT340 only)



### RM-X114 (for CDX-GT240)



### Notes on the lithium battery

- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.

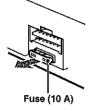
#### WARNING

Battery may explode if mistreated. Do not recharge, disassemble, or dispose of in fire.

continue to next page →

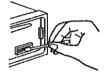
# Fuse replacement

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.



# Cleaning the connectors

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, detach the front panel (page 5) and clean the connectors with a cotton swab. Do not apply too much force. Otherwise, the connectors may be damaged.





Main unit

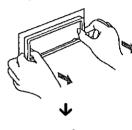
Back of the front panel

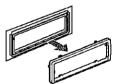
#### Notes

- For safety, turn off the ignition before cleaning the connectors, and remove the key from the ignition switch.
- Never touch the connectors directly with your fingers or with any metal device.

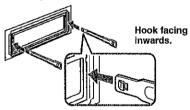
# Removing the unit

- 1 Remove the protection collar.
  - 1 Detach the front panel (page 5).
  - 2 Pinch both edges of the protection collar, then pull it out.

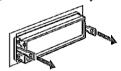




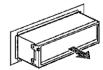
- 2 Remove the unit.
  - Insert both release keys simultaneously until they click.



2 Pull the release keys to unseat the unit.



3 Slide the unit out of the mounting.



# **Specifications**

# **AUDIO POWER SPECIFICATIONS**



CEA2006 Standard Power Output: 17 Watts RMS × 4 at 4 Ohms < 1% THD+N SN Ratio: 82 dBA (reference: 1 Watt into 4 Ohms)

#### **Tuner section**

#### FIV

Tuning range: 87.5 – 107.9 MHz Antenna (acria!) terminal: External antenna (acria!) connector Intermediate frequency: 150 kHz Usable sensitivity: 10 dBf Selectivity: 75 dB at 400 kHz Signal-to-noise ratio: 70 dB (mono)

Separation: 40 dB at 1 kHz

Frequency response: 20 – 15,000 Hz

### ΑM

Tuning range: 530 – 1,710 kHz Antenna (aerial) terminal: External antenna (aerial) connector

Intermediate frequency: 25 kHz Sensitivity: 26 µV

# **CD Player section**

Signal-to-noise ratio: 120 dB Frequency response: 10 – 20,000 Hz Wow and flutter: Below measurable limit

### Power amplifier section

Output: Speaker outputs (sure seal connectors) Speaker impedance: 4 – 8 ohms Maximum power output: 52 W × 4 (at 4 ohms)

### General

#### Outputs:

Audio outputs terminal
Front (CDX-GT340 only)
Sub/Rear switchable
Power antenna (aerial) relay control terminal
Power amplifier control terminal

#### Inputs:

BUS control input terminal (CDX-GT340 only) BUS audio input terminal (CDX-GT340 only) Antenna (aerial) input terminal AUX input jack (stereo mini jack)

Tone controls:

Low: ±10 dB at 60 Hz (XPLOD) Mid: ±10 dB at 1 kHz (XPLOD) High: ±10 dB at 10 kHz (XPLOD)

Power requirements: 12 V DC car battery (negative ground (earth))

Dimensions: Approx.  $178 \times 50 \times 179$  mm  $(7^{-1}/8 \times 2 \times 7^{-1}/8 \text{ in}) \text{ (w/h/d)}$ 

Mounting dimensions: Approx.  $182 \times 53 \times 162 \text{ mm}$   $(7^{-1}/4 \times 2^{-1}/8 \times 6^{-1}/2 \text{ in}) \text{ (w/h/d)}$ 

Mass: Approx. 1.2 kg (2 lb 11 oz)

#### Supplied accessories:

Card remote commander: RM-X151 (CDX-GT340 only) Parts for installation and connections (1 set) Optional accessories/equipment:

# for CDX-GT340

BUS cable (supplied with an RCA pin cord): RC-61 (1 m), RC-62 (2 m)

Source selector: XA-C40 AUX-IN selector: XA-300

Interface adaptor for iPod: XA-120IP HD Radio™ tuner: XT-100HD

for CDX-GT240

Card remote commander; RM-X114

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

Design and specifications are subject to change without notice.

- Halogenated flame retardants are not used in the certain printed wiring boards.
- Halogenated flame retardants are not used in cabinets.
- · Packaging cushions are made from paper.

# **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 power is being supplied to the unit.

- · Check the connection or fuse.
- If the unit is turned off and the display disappears, it cannot be operated with the remote commander.
  - → Turn on the unit.

#### The power antenna (aerial) does not extend.

The power antenna (aerial) does not have a relay box.

#### No sound.

- The ATT function is activated.
- The position of the fader control "FAD" is not set for a 2-speaker system.

#### No beep sound.

- The beep sound is canceled (page 10).
- An optional power amplifier is connected and you are not using the built-in amplifier.

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

- The RESET button has been pressed.\*1
  - → Store again into the memory.
- The power supply lead or battery has been disconnected or it is not connected properly.

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

# Makes noise when the position of the ignition is switched.

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

# During playback or reception, demonstration mode starts.

If no operation is performed for 5 minutes with "DEMO-ON" set, demonstration mode starts.

→ Set "DEMO-OFF" (page 10).

# The display disappears from/does not appear in the display window.

- The dimmer is set "DIM-ON" (page 10).
- The display disappears if you press and hold <u>SOURCE/OFF</u>).
  - → Press (SOURCE/OFF) on the unit until the display appears,
- The connectors are dirty (page 14).

#### The Auto Off function does not operate.

The unit is turned on. The Auto Off function activates after turning off the unit.

→ Turn off the unit.

# Radio reception

#### The stations cannot be received. The sound is hampered by noises.

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

#### Preset tuning is not possible.

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

#### Automatic tuning is not possible.

- Setting of the local seek mode is not correct.
- Tuning stops too frequently:
- Set "LOCAL-ON" (page 10).
- → Tuning does not stop at a station: Set "LOCAL-OFF" (page 10).
- The broadcast signal is too weak.
- → Perform manual tuning.

# During FM reception, the "ST" indication flashes.

- Tune in the frequency accurately.
- The broadcast signal is too weak.
  - → Set "MONO-ON" (page 10).

# An FM program broadcast in stereo is heard in monaural.

The unit is in monaural reception mode.

→ Sct "MONO-OFF" (page 10).

#### RDS

# PTY displays "-----"

- The current station is not an RDS station.
- · RDS data has not been received.
- The station does not specify the program type.

# CD playback

#### The disc cannot be loaded.

- · Another disc is already loaded,
- The disc has been forcibly inserted upside down or in the wrong way.

### The disc does not playback.

- Defective or dirty disc.
- The CD-Rs/CD-RWs are not for audio use (page 12).

#### MP3/WMA files cannot be played back.

The disc is incompatible with the MP3/WMA format and version (page 13).

# MP3/WMA files take longer to play back than others.

The following discs take a longer time to start playback.

- a disc recorded with a complicated tree structure.
- a disc recorded in Multi Session.
- a disc to which data can be added.

#### The display items do not scroll.

- For discs with very many characters, those may not scroll.
- · "A.SCRL" is set to "OFF."
- → Set "A.SCRL-ON" (page 10).
- → Press and hold (DSPL/SCRL)

#### The sound skips.

- · Installation is not correct.
  - → Install the unit at an angle of less than 45° in a sturdy part of the car.
- · Defective or dirty disc.

# The operation buttons do not function.\*1 The disc will not eject.

Press the RESET button (page 4).\*1
Press ≜ (eject) (page 6).\*2

- \*L CDX-GT340 only
- \*2 CDX-GT240 only

# Error displays/Messages

#### FRROR

- The disc is dirty or inserted upside down.
- → Clean or insert the disc correctly.
- · A blank disc has been inserted.
- The disc cannot play due to a problem.
   → Insert another disc.

### FAILURE (Illuminates until any button is pressed.)

The connection of speakers/amplifiers is incorrect.

→ See the installation/connections manual of this model to check the connection.

# **FAILURE** (Illuminates for about 1 second.) (CDX-GT340 only)

When the SAT tuner is connected, storing an SAT radio channel into a preset failed.

→ Be sure to receive the channel that you want to store, then try it again.

#### L. SEEK +/-

The local seek mode is on during automatic tuning.

#### NO MUSIC

The disc does not contain a music file.

→ Insert a music CD in this unit.

#### NO NAME

A disc/album/artist/track name is not written in the track.

#### OFFSET

There may be an internal malfunction.

Check the connection. If the error indication remains on in the display, consult your nearest Sony dealer.

#### PUSH EJT (CDX-GT240 only)

The disc cannot be ejected.

→ Press **≜** (eject) (page 6).

#### READ

The unit is reading all track and album information on the disc

→ Wait until reading is complete and playback starts automatically. Depending on the disc structure, it may take more than a minute.

#### RESET (CDX-GT340 only)

This unit cannot be operated due to a problem.

→ Press the RESET button (page 4).

# "<u>LLLL</u>" or "¬¬¬¬"

During reverse or fast-forward, you have reached the beginning or the end of the disc and you cannot go any further.

<u>"\_"</u>

The character cannot be displayed with the unit.

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

If you take the unit to be repaired because of CD playback trouble, bring the disc that was used at the time the problem began.

# If you have any questions/problems regarding this product, try the following:

- 1 Read Troubleshooting in these Operating Instructions.
- **2** Reset the unit. (Only for models with a RESET button.) Note: Stored data may be erased.
- 3 Please contact (U.S.A. only);
  Call 1-800-222-7669

URL http://www.SONY.com