**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 ball-point pen.

**Notes**
- Pressing the reset button will erase the clock setting and some memorized program and memory function.
- When you connect the power supply cord to the unit or reset the unit, wait for about 10 seconds before you insert a disc. If you insert a disc within these 10 seconds, the unit will not be reset, and you will have to press the reset button again.

**Additional Information**

**Precautions**
- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a two-speaker system, it will extend automatically while the unit is operating.
- Connecting this unit may cause some car battery wear when your car has no ACC (accessory) position on the ignition key switch.
- If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

**Notes on handling CDs**
A dirty or defective disc may cause sound dropouts while playing. To enjoy optimum sound quality, make sure that your disc is clean, do not touch the surface.

Before playing, clean the discs with an optional cleaning cloth. Wipe each disc from the center out.

Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog discs.

Do not expose the discs to direct sunlight or heat sources such as hot air ducts, or leave them in a car parked in direct sunlight where there can be a considerable rise in temperature inside the car.

**Maintenance**

**Fuse replacement**
When replacing the fuse, be sure to use one with an ampere rating matching the one supplied with the unit as this could damage the unit.

**Warning**
Never use a fuse with an ampere rating exceeding the one supplied with the unit.

**Specifications**

**Audio power specifications**

**Power output and total harmonic distortion**
13 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1 % total harmonic distortion.

**Other specifications**

**CD player section**
- System: Compact-disc digital audio system
- Signal-to-noise ratio: 90 dB
- Frequency response: 10 – 20,000 Hz
- Woe and Thud: Below measurable limit
- Laser Diode: GaAlAs
- Emission: Continuous
- Laser output power: Less than 5.5 mW
  * This output is the value measured at a distance of 0.7 mm from the objective lens surface on the Optical Pickup Block.

**Tuner section**
- FM
  - Tuning range: 87.5 – 107.9 MHz
  - Antenna terminal: External antenna connector
  - Usable sensitivity: 12 dB
  - Selectivity: 75 dB at 40 kHz
  - Signal-to-noise ratio: 65 dB (stereo), 64 dB (mono)
  - Harmonic distortion at 1 kHz: 0.7 % (stereo), 0.5 % (mono)
  - Separation: 35 dB at 1 kHz

- AM
  - Tuning range: 520 – 1710 kHz
  - Antenna terminal: External antenna connector
  - Intermediate frequency: 10.7 MHz/450 kHz
  - Sensitivity: 35 µV

**Power amplifier section**
- Outputs: Speaker outputs (sure-seal connectors)
- Speaker impedance: 4 – 8 ohms
- Maximum power output: 35 W x 4 (at 4 ohms)

**General**
- Outputs: Line output
- Power amplifier control
- Time controls
  - Bass: ± 6 dB at 100 Hz
  - Treble: ± 6 dB at 10 kHz
- Power requirements: 12 V DC (car battery)
- Dimensions: Approx. 182 x 51 x 162 mm (7 1/2 x 2 x 6 3/8 in.) (w/h/d)
- Weight: Approx. 1.2 kg (2 lb. 10 oz.)
- Supplied accessories: Parts for installation and connection
- Optional accessories: Cleaning cloth, compact disc single adapter

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

**FM/AM Compact Disc Player**

**Operating Instructions**

**Owner’s Record**
The model and serial numbers are located on the bottom of the unit.
Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CDX-1150 Serial No.

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.
Memorizing stations automatically
— Best Tuning Memory (BTM)
This unit selects the stations with the strongest signals and memorizes them in the order of their frequencies. You can store up to 6 stations on each band (FM I, FM II, FM III, and AM).

1. Press SOURCE repeatedly to select the tuner.
2. Press SEEK/AMS repeatedly to select the band.
3. Press and hold either side of SEEK/AMS to tune in the station that you want to store on the number button.
4. Press and hold the desired number button (1 to 6) until "NEM" 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.

Seen Memory Only the desired stations
You can store up to 6 stations on each band (a total of 18 for FM I, FM II, FM III, and AM) in the order of your choice.

1. Press SOURCE repeatedly to select the tuner.
2. Press SEEK/AMS repeatedly to select the band.
3. Press and hold either side of SEEK/AMS to tune in the station that you want to store on the number button.
4. Press and hold the desired number button (1 to 6) until "NEM" 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 memorized stations
1. Press SOURCE repeatedly to select the tuner.
2. Press SEEK/AMS repeatedly to select the band.
3. Press the number button (1 to 6) on which the desired station is stored.

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

General

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No sound.</td>
<td>Adjust the volume level.</td>
<td>Set the fader control to the center position for two-speaker systems.</td>
</tr>
<tr>
<td>The contents of the memory have been erased.</td>
<td>The radio has been disconnected.</td>
<td>Store the settings again in the memory.</td>
</tr>
<tr>
<td>No beep sound.</td>
<td>An optional power amplifier is connected.</td>
<td>The beep sound is cancelled.</td>
</tr>
</tbody>
</table>

CD playback

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD cannot be loaded.</td>
<td>Another CD is already loaded.</td>
<td>The CD was forcibly inserted upside down.</td>
</tr>
<tr>
<td>CD cannot be loaded.</td>
<td>The CD is automatically ejected.</td>
<td>The ambient temperature exceeds 50°C (122°F).</td>
</tr>
<tr>
<td>CD cannot be loaded.</td>
<td>The operation buttons do not function.</td>
<td>Press the front button for two seconds.</td>
</tr>
<tr>
<td>The sound skips due to vibration.</td>
<td>The unit is installed at an angle of more than 60°.</td>
<td>The unit is not installed in a sturdy part of the car.</td>
</tr>
</tbody>
</table>

Radio reception

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preset tuning is not possible.</td>
<td>Memorize the correct frequency.</td>
<td>Use the built-in amplifier.</td>
</tr>
<tr>
<td>Automatic tuning is not possible.</td>
<td>The broadcast signal is too weak.</td>
<td>The AM broadcast signal is too weak.</td>
</tr>
<tr>
<td>The &quot;MONO&quot; indicator is not displayed.</td>
<td>The broadcast signal is too weak.</td>
<td>The broadcast signal is too weak.</td>
</tr>
</tbody>
</table>

Error displays
The following indications will flash for about five seconds.

<table>
<thead>
<tr>
<th>Display</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-04</td>
<td>The CD is dirty or inserted upside down.</td>
<td>Clean or insert the CD correctly.</td>
</tr>
<tr>
<td>E-99</td>
<td>The CD player cannot be operated because of some problem.</td>
<td>Press the reset button or the CD.</td>
</tr>
</tbody>
</table>

If the above-mentioned solutions do not help improve the situation, consult your nearest Sony dealer.