DIGITAL ANTI-SHOCK OPERATION
The digital ELECTRONIC SHOCK PROTECTION function uses semiconductor memory to prevent the second from skipping when the unit is subjected to shocks and vibration during play.
When the PLAY/PAUSE button is pressed and the power turns on, the digital Electronic Shock Protection function turns on automatically.
The display will show [ ] and the function is initialized, when [ ] shows in the display, the data buffer is full.
It will give approximately 45 seconds of protection against interruption of sound output, if the player is subjected to shocks of more than 45 seconds duration, some interruption of sound output will occur, this is normal and to be expected; the sound will resume once the player has stabilized from the shock.
To turn this function off, press ASP button once, the ESP indicator will disappear.

MAINTENANCE
Cleaning the Lens
If the lens becomes dusty, clean it with camera lens blower. Be careful not to scratch the surface of the lens.
Cleaning the Cabinet
From time to time, clean the cabinet with a soft cloth. Remove stubborn stains, slightly moisten the cloth with water or a mild detergent solution. Never use benzene, alcohol or other solvents as they may damage the finish of the cabinet.

SPECIFICATIONS
RADIO
Frequency range : AM522 - 1620kHz
FM87.5 - 108MHz

CD
Output Power : 20MW (32Ω)
Freq. Response : 92dB ± 2dB (1kHz)
Power : DC 4.5V external and size “AA” batteries 1.5V x 2, UM-3, HP-7, R6
Dimensions : 130mm(W) x 138mm(D) x 28mm(H)

** For improvement purposes, specification and design are subject to change without notice. **

TROUBLESHOOTING GUIDE
Cleaning the Disc
When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.
Note - Do not use solvents such as benzene, thinner, commercially available anti-static spray intended for analog discs.
** Should you experience difficulties in the use of this player please refer to the following chart before contacting your dealer or the place of purchase.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Troubleshooting Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disc not turned on</td>
<td>Check for power source or batteries.</td>
</tr>
<tr>
<td>Disc does not work</td>
<td>Check for power source or batteries.</td>
</tr>
<tr>
<td>Sound skips</td>
<td>Check for power source or batteries.</td>
</tr>
<tr>
<td>No sound when played through an external amplifier</td>
<td>Check for power source or batteries.</td>
</tr>
<tr>
<td>No sound from speakers</td>
<td>Check for power source or batteries.</td>
</tr>
<tr>
<td>No sound from headphones</td>
<td>Check for power source or batteries.</td>
</tr>
</tbody>
</table>

S-YLVANIA SCD 290
PORTABLE COMPACT DISC PLAYER
WITH 45 SECONDS ANTI-SHOCK SYSTEM
AND PLL AM/FM STEREO RADIO


PREPARATIONS BEFORE USING

Battery Installation
1. Open Battery Compartment cover.
2. Insert 2 batteries (LIR6, “AA” size, or equivalent) in the correct polarity as indicated. Batteries not included.
3. Close the cover properly.

AC Power Adaptor
1. Plug the AC power outlet to the DC jack.
2. Connect the adaptor (4.5V/600mA) to a power outlet. (Adaptor not included)
3. Precautions keep in mind:
   - Check the voltage is compatible.
   - The headphone cord works as a FM antenna. To insure maximum FM reception you must keep the antenna extended. Keep the antenna horizontal until the best reception is obtained.

NOTE - To cancel INTRO SCAN simply press the MODE button until the INTRO indicator disappears.

CD PLAYER

Various Playing Modes

MODE Button - There are 3 kind of function:

A. Repeat Play
   - Press the MODE button twice to play the entire disc repeatedly.
   - The repeat indicator will appear in the display.

B. Intro Scan
   - Press the MODE button three times.
   - The INTRO indicator will appear in the display.
   - Press the PLAY button to play the first 10 seconds of each track on the disc.

C. Random Play
   - Press the MODE button four times.
   - The SHUF indicator will appear in the display.
   - Press the PLAY button, all the tracks on a disc to be played in a random sequence.

NOTE - To cancel RANDOM PLAY simply press the MODE button until the SHUF indicator disappears.

Program Play
1. Press the PROG button when the unit is in the stop mode until PROG show on the display.
   - The PROG indicator flashes on the display.
2. Press the PROG button to enter the track into memory. The program numbers which will be increment one step.
3. Press the PROG button to select the desired track. The program numbers which will be increment one step.
4. Repeat steps 2 and 3 to program the order of more tracks can be programmed into memory.

NOTE - To cancel Program Play simply press the MODE button until the program indicator disappears.

General Operation

1. Press the PLAY button to play the first 10 seconds of each track on the disc.
   - The INTRO indicator will appear in the display.
2. Press the MODE button three times.
   - Press the MODE button twice to play the entire disc repeatedly.

NOTE - To cancel REPEAT simply press the MODE button until the repeat indicator disappears.

Getting Started
1. Insert the headphone/earphone plug to PHONE JACK.
2. Push the open switch to right side, and then the door open, put a disc into the CD compartment with label side upward.
3. Precautions keep in mind:
   - The headphone cord works as a FM antenna. To insure maximum FM reception you must keep the antenna extended. Keep the antenna horizontal until the best reception is obtained.

NOTE - To cancel INTRO SCAN simply press the MODE button until the INTRO indicator disappears.

Disc Playing
This CD player is designed to play the 8cm and 12cm compact disc without using adapter.

Storing and Recalling Radio Stations in Preset Memory
1. Tune in the station you want to store in preset memory by manual or auto tuning.
2. Press the PROG/MEM BUTTON and the PROG INDICATOR will flash in the LCD panel. (Press again for cancel)
3. Press the PROG/MEM ON BUTTON to select channel no. #1 to #20 for AM and #1 to #20 for FM. (Press the PROG/MEM ON BUTTON again to store the current radio station into the preset memory.

Radio Rejection
1. Insert the digit dial or headband into the PHONE JACK.
2. Press the PROG ON BUTTON for the AM radio band as shown on the LCD Panel. The frequency reading will be displayed.
3. Press the PROG ON BUTTON for the FM radio band as shown on the LCD Panel.
4. Press the PROG ON BUTTON to TUN UP BUTTON depressed for more than 1 second and then release, the digital tuner will automatically find the station and the station name will be displayed on the LCD panel.
5. Press the MODE button cyclically to select FM STEREO / MONO MODE or FM MONO.
6. Adjust the VOLUME CONTROL to obtain the desired sound level.
7. Slide the BASS BOOST SWITCH to OFF for best picture effect. (To remove the disc: Pick up the disc, holding the edge, while pressing the pivot gently.)
8. Close the door and press the Play/Pause Button once.
9. The Display will show the total number of tracks of the disc, then begin to play the first track.

General Operation

1. Press the PROG button when the unit is in the stop mode until PROG show on the display.
   - The PROG indicator flashes on the display.
2. Press the PROG button to enter the track into memory. The program numbers which will be increment one step.
3. Press the PROG button to select the desired track. The program numbers which will be increment one step.
4. Repeat steps 2 and 3 to program the order of more tracks can be programmed into memory.
5. Press the MODE button three times.
6. Close the door and press the Play/Pause Button once.

Program Play
1. Press the PROG button when the unit is in the stop mode until PROG show on the display.
   - The PROG indicator flashes on the display.
2. Press the PROG button to enter the track into memory. The program numbers which will be increment one step.
3. Press the PROG button to select the desired track. The program numbers which will be increment one step.
4. Repeat step 2 and 3 to program the order of more tracks can be programmed into memory.
5. Press the MODE button two times.
6. To start the program play simply press the MODE button until the program indicator disappears.

B. Intro Scan
   - Press the MODE button three times.
   - The INTRO indicator will appear in the display.
   - Press the PLAY button to play the first 10 seconds of each track on the disc.

C. Random Play
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NOTE - To cancel RANDOM PLAY simply press the MODE button until the SHUF indicator disappears.

Disc Playing
This CD player is designed to play the 8cm and 12cm compact disc without using adapter.

 various playing modes

- Press the MODE button twice to play the entire disc repeatedly.
- The repeat indicator will appear in the display.

NOTE - To cancel REPEAT simply press the MODE button until the repeat indicator disappears.