

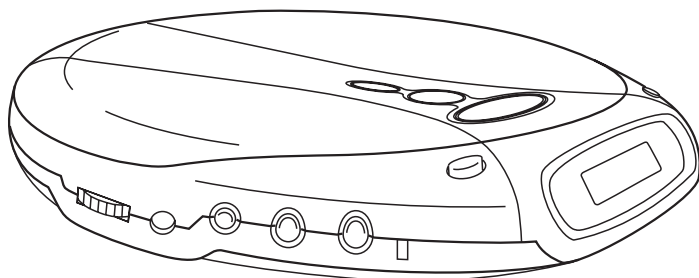
Goodmans

Anti-Shock

Compact Disc Player

GCD525RS

Instruction Manual



SPECIFICATIONS

Programme Play	Up to 20 memories
Line output	0.6V RMS
Earphone output	20mW
Power requirement	DC 4.5V external and battery 3V ("AA" Cell x 2) (IEC R6, JIS SUM-3 or Ni-Cd rechargeable battery)
Dimension.....	Appro. 154.5(W) x 25(H) x 141(D)mm
Weight	212g not including battery (Main Unit)

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

Goodmans Product Information Helpline 0870 873 0080

IMPORTANT NOTES

1. In order to maximize battery life and provide optimum playing time this product incorporates an Auto Power Off function.
The power to the player will automatically switch off approximately 30 seconds after a disc has finished playing .
2. The ESP function is automatically engaged when playback starts. For more information, see section 13 of these instructions.

Helpline No.: 0870 873 0080

WARNING

1. To prevent fire or shock hazard, do not expose the unit to rain or moisture.
2. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.
3. Do not put anything in the safety slot. If you do, the laser diode will be ON when the lid is still opened.
4. The unit employs a laser. The use of controls or adjustments or performance of procedures other than those specified herein may result in exposure to hazardous radiation.

LOW BATTERY ALERT

When the BATTERY indicator flashes in the LCD display, this means that the batteries are losing their charge. In this case the CD player will not function properly and the batteries must be replaced. In the case that rechargeable batteries are being used follow the instruction on how to recharge the batteries detailed in this owner's manual.



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SAFETY PRECAUTIONS

1. As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing.
2. Stop operation immediately if any liquid or solid object should fall into the cabinet. Unplug the unit and have it checked by qualified personnel.
3. Do not touch the lens or poke at it. If you do, you may damage the lens and the player may not operate properly.
4. Do not put anything in the safety slot. If you do, the laser diode will be ON when the lid is still opened.
5. The unit employs a laser. The use of controls or adjustments or performance of procedures other than those specified herein may result in exposure to hazardous radiation.

1. POWER SOURCES NORMAL BATTERIES/AC ADAPTOR

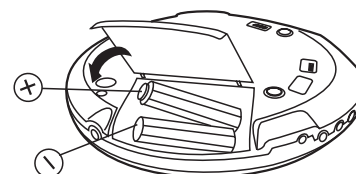
Battery Power Operation

1. Open the battery compartment cover and insert two "AA" alkaline batteries inside the battery compartment. Be sure to observe the proper polarity (the "+" and "-" signs) as indicated inside the battery compartment.
2. Close the battery compartment cover.

Average Playing Time (Continuous Play)

Battery Type	Anti-Shock Mode	Normal Play Mode
Alkaline MN 1500, LR 6 or Equivalent	10 Hours	Approx. 12 Hours
Ni-CAD rechargeable (min. specification recommended 1.2V - 650mA)	8 Hours	Approx. 9 Hours

Note: Zinc/Carbon, or Zinc/Chloride type batteries are not recommended for this unit as their use will result in extremely short playing times. Wherever possible and for economy it is recommended that the mains adaptor supplied with this unit used.

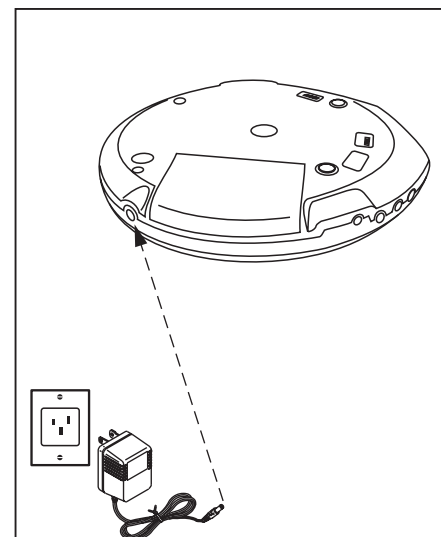


AC Operation

1. Insert the DC plug at the end of the AC adaptor (not included) cord into the DC input socket at the rear of the unit.
2. Plug the AC adaptor (not included) into a 230V AC power outlet socket.

Note If the AC plug of this unit does not fit in your AC outlet, a plug adaptor (not included) should be used.

Consult your local dealer on the type of plug adaptor required.



WARNING

ENSURE THAT THE BATTERY RECHARGE SWITCH IS OFF WHEN USING THE AC ADAPTOR WITH NON RECHARGEABLE BATTERIES INSTALLED.

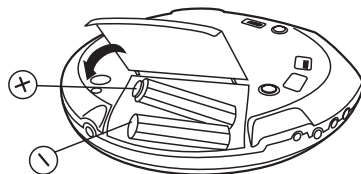
2. CHARGING AND USE OF RECHARGEABLE BATTERIES

Rechargeable Battery Operation

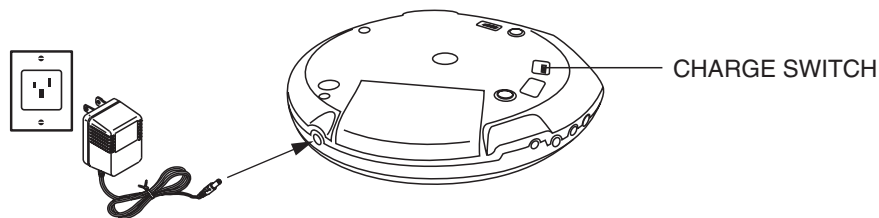
This unit can fully recharge the specified rechargeable batteries, in approximately 15 hours. The rechargeable batteries (NOT supplied) should be recharged before they are used for the first time because they are low in power or they have not been used for a long period (over 60 days)

1. Open the battery compartment cover and insert two of the recommended rechargeable batteries, matching polarity. (1.2V 650mA)

ALL BATTERIES MUST BE OF RECHARGEABLE NICKEL-CADMIUM / NI-MH TYPE. OTHERWISE THE BATTERIES MAY EXPLODE OR LEAK.



2. Plug in the AC adaptor (not included) and set the Charge switch to ON position to start charging. The CHARGE indicator will illuminate.



3. After 15 hours, please unplug the AC adaptor and switch the Charge switch to the OFF position. **DO NOT CHARGE CONTINUOUSLY FOR 24 HOURS OR MORE. DOING SO CAN CAUSE THE PERFORMANCE OF THE RECHARGEABLE BATTERIES TO DETERIORATE.**

Note you may play DISC while charging the batteries.

4. If the operating time decreases drastically even when the rechargeable nickel-cadmium batteries are properly recharged, purchase a new set of rechargeable nickel-cadmium batteries.
5. When charging for the first time or after a long time, playing time may be reduced. In this case, charge and discharge the batteries several times.

Charging Rechargeable batteries

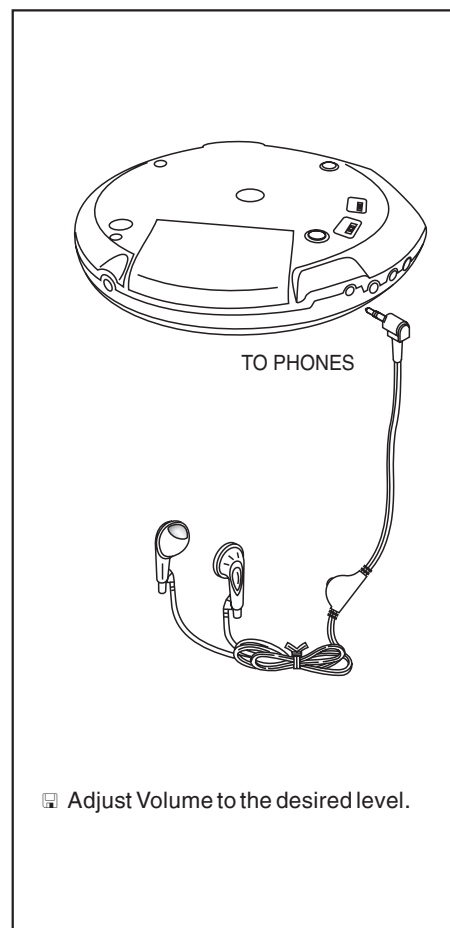
The charging current for this player is 120mA and has been optimised for over night charging of NI-MH batteries. NI CAD batteries can still be charged in this player but please note due to their lower capacity the charging time will need to be reduced.

3. EARPHONE AND HI-FI CONNECTION

Listening with the earphone

Connect the plug of the stereo earphones (included) or headphones (not included) into the PHONES (GREEN) socket.

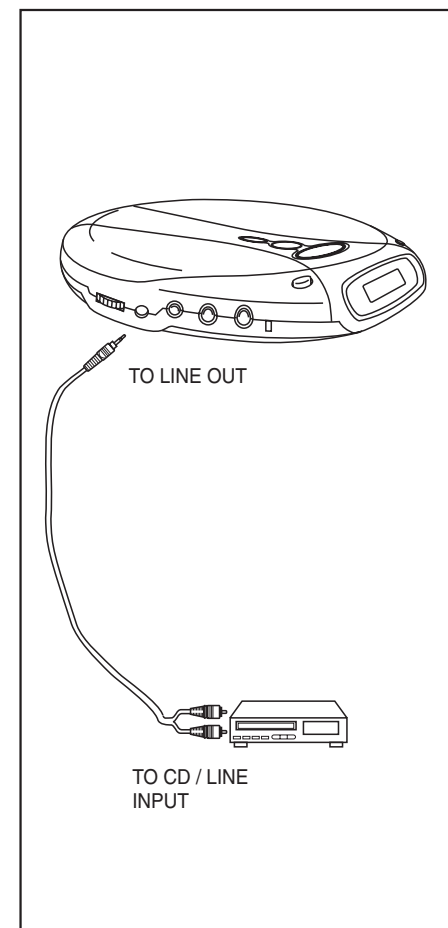
Caution Avoid excessive volume levels and listening to sound for a long period of time when using headphone.



Connecting to component audio systems

Connect a stereo connection cable (not included) into the LINE OUT (BLACK) socket of the unit and the CD/AUX input of an audio system.

Note Always switch the power off before making any connections between the player and another unit.



4. PLAYER MAINTENANCE

Cleaning the Cabinet

Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

Cleaning the lens

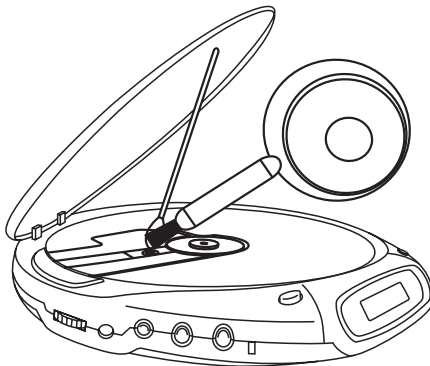
A dirty lens will cause sound skipping and, if the lens is very dirty, the CD may not work. Open the disc cover and clean the lens as follows:

Dust or Dry Particles

Using a camera lens brush/blower, blow on the lens couple times, then wipe it lightly with the brush to remove dust. Then, blow on the lens once more.

Finger prints

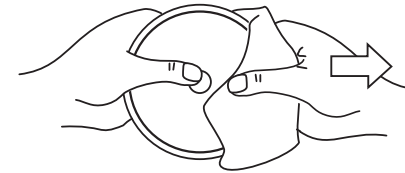
If the lens cannot be cleaned by using a brush/blower, use a dry cotton swab.



5. DISC CLEANING AND TROUBLESHOOTING GUIDE

Cleaning the Disc

When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.



Note

Do not use solvents such as benzine petrol, thinner, commercially available cleaners or anit-static spray intended for analogue 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.

Troubleshooting Guide	
Problem	Points to Check
Player fails to function	Disc may be inserted upside down Disc not mounted correctly on chuck Dirty or defective disc Dirty pick up lens Player lid not closed Moisture/condensation. allow player to warm up to room temperature for 60 minutes. AC Power to adaptor switched off Weak batteries Auto Power off has occurred.
No sound from Earphones	Earphone plug is not firmly inserted into the Green Phones socket Earphones have been inserted into the Black line output socket
No sound when played through an external amplifier	Connection is incorrect Power to external amplifier not switched on
Intermittent Sound	Dirty or defective disc Dirty pick up lens Player is subject to excessive vibration or shock Low battery power Poor Earphone connection ESP not selected

6. PRODUCT SPECIFICATIONS

PICK-UP

System	Compact disc digital audio system
Laser diode	material: GaAlAs
Properties	Wavelength: $\lambda = 780\text{nm}$ Emission Duration: continuous Laser output: $<44.6\mu\text{W}$
Error correction	Cross-interleave Reed-solomon code

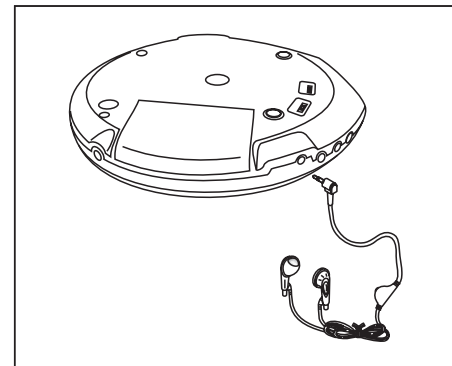
AUDIO

D/A conversion	1-bit DAC 8 times oversampling
Frequency response	20-20,000Hz (+1/-3 dB)
No. of channels	2 channels (stereo)
Output level	Line output: 0.6 V rms (47K Ω) Earphone: 20mW (32 Ω)
Bass boost effect (100HZ)	+7dB.
Wow and flutter	Below measurable limits

GENERAL

Power requirements	- 2 x "AA" alkaline battery - DC in socket accepts various AC power adaptors.
Power consumption	0.8W (DC 4.5V) UNDER NORMAL CONDITION
Dimension	Approx. 154.5(W) x 25(H) x 141(D)mm
Weight	Approx. 212g (Main Unit, batteries excluded)

7. BASIC DISC PLAY



1. Connect the earphones to the PHONES (GREEN) socket.

2. Press the OPEN button to open the CD compartment lid.

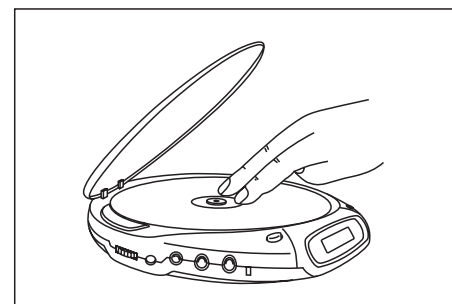
3. Adjust the VOLUME to minimum.

4. Insert the disc with the label side facing up.

5. Push down in the centre until disc is locked in place.

6. Close the lid gently until a click is heard.

7. Press the PLAY/PAUSE button to start playing. To turn the power off, press the STOP button twice.



To emphasize the bass sound

Set the BASS BOOST switch to ON position.



Note

The bass boost performance will be dependant on the VOLUME control setting.

Note

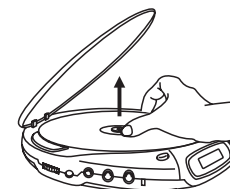
To pause playback of the CD, press the PLAY/PAUSE button, The elapsed playing time flashes in the display. To resume playback, press PLAY/PAUSE again.

Note

Only compact discs marked with the compact disc logo are guaranteed to work on this player. Home recorded discs (CDR) recorded on home pc's may not play or operate correctly.

Remove the disc

Hold the edge and gently press the centre pivot as illustrated, then pick up the disc.

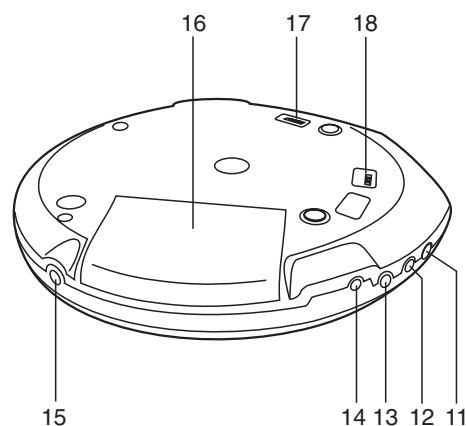
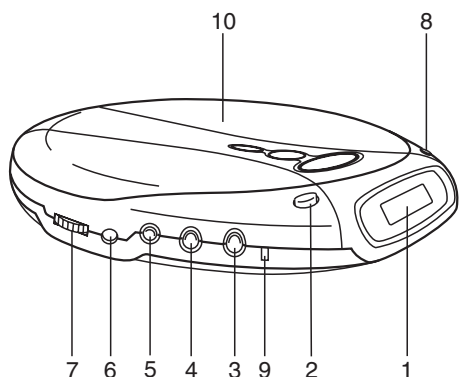


CAUTION:

Wait for the disc to stop rotating before pressing the OPEN button.

Note This unit can play 3" (8cm) single CD's without an adaptor. Do not use a CD single adaptor for these discs.

8. LOCATION OF CONTROLS



1. LCD DISPLAY
2. CD DOOR OPEN BUTTON
3. PLAY MODE BUTTON
4. PROGRAM BUTTON
5. ESP BUTTON
6. LINE OUT SOCKET
7. VOLUME CONTROL
8. PLAY/PAUSE / POWER ON BUTTON
9. CHARGE INDICATOR
10. CD DOOR
11. STOP / POWER OFF BUTTON
12. BACKWARD SKIP/SEARCH BUTTON
13. FORWARD SKIP/ SEARCH BUTTON
14. EARPHONE SOCKET
15. DC INPUT SOCKET
16. BATTERY COMPARTMENT
17. BASS BOOST SWITCH
18. CHARGE SWITCH

9. LCD DISPLAY INFORMATION

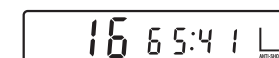
Hold the disc with the label side up and press it onto the spindle until it "clicks" into place.

Close the disc compartment, press PLAY/PAUSE button, the disc will begin to spin, and after several seconds the total number of tracks and total playing time will be shown on the display, playing will begin from track number 1 automatically.



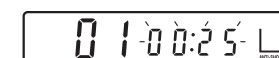
IN STOP MODE

To stop play, press the STOP/POWER OFF button. Total tracks and total playing time will show in the display. Press STOP/POWER OFF button once again, power will be turned off immediately.



During PAUSE mode

The elapsed playing time flashes in the display.



10. SKIP FUNCTIONS

Locating a particular track

To go back to the beginning of the current or a previous track	Press ◀◀ lightly and repeatedly.
To go to the beginning of the following tracks	Press ▶▶ lightly and repeatedly.

Locating a Particular point in a track

To go back at a high speed	Keep ◀◀ depressed
To go forward at a high speed	Keep ▶▶ depressed

Low level audio will be heard during the search process to assist in locating the correct point in the track.

11. PLAY MODES

SINGLE TRACK REPEAT

Press the PLAY MODE button once during playback or in stop mode, "REPEAT 1" appears in the display. This plays the current track over and over until you press STOP button.



ALL TRACKS REPEAT

Press the PLAY MODE button twice during playback or in stop mode, "REPEAT ALL" shows in the display. All tracks will be repeated until the STOP button is pressed.



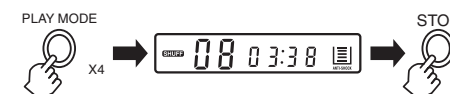
INTROSCAN PLAY

Press the PLAY MODE button three times in stop mode or during playback, then press the PLAY/PAUSE button. The first 10 seconds of each track on the disc will be played.



RANDOM PLAY

Press the PLAY MODE button in stop mode or during playback, then press PLAY/PAUSE button. All tracks on the disc will be played in random order, then the unit will shut down automatically.



NOTE: In normal mode none of the above symbols show in the display.

NORMAL PLAYBACK

Play the whole disc



Press once to play



PLAY/PAUSE

12. PROGRAMMED TRACK PLAY

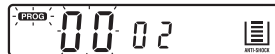
PROGRAMME

This allows selected tracks on the disc to be played in any desired order. (Up to 20 tracks can be programmed.)

To set the programmed play

A programme can be set in the STOP mode or in normal play mode.

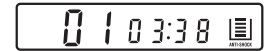
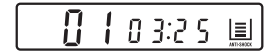
- ❶ Press the PROGRAM button during play or in stop mode, "PROG" and track number "00" flashes and program number "01" shows in the display.
- ❷ Press the BACK or FWD SKIP/SEARCH button to select the first track to be programmed.
- ❸ Press the PROGRAM button. The first track number is now stored into memory, program number changes to "02" waiting for the next selection.
- ❹ Repeat steps 2 and 3 to program additional tracks.
- ❺ After programming is finished, press the PLAY/PAUSE button.
 - "PROG" flashing stops in the display and programmed play begins from the first programmed track.
 - The player stops automatically after all programmed tracks have been played. The programmed tracks are stored in memory until the disc compartment is opened, or power is turned off.



13. ELECTRONIC SHOCK PROTECTION SYSTEM

The digital ELECTRONIC-SHOCK PROTECTION function uses semiconductor memory to prevent interruption of sound when the unit is subjected to shocks and vibration during playback.

- During playback, the "L" indicator appears in the display and the digital ELECTRONIC-SHOCK PROTECTION function turns on automatically. The music is stored in a "read-ahead" memory buffer before it is decoded and played. The "L" mark (the icon "anti-shock" will flash) changes to "L" mark. When the icon "anti-shock" stop flashing, it indicates that the data buffer is full.
- When the unit is subjected to a shock during play, the data stored in memory continues to be decoded and played. This gives the pickup time to stabilize and continue reading new data. As the data is read from memory the indicator changes to "L".
- Once the pickup returns to its original position, new data is stored in memory and the display changes back to the "L" mark.



Press the ESP button to turn the digital electronic shock protection function off or on.

NOTE: Keep the digital electronic shock protection function off when using the unit in a stable location where it will not be subjected to shocks. The battery power consumption is reduced when the electronic shock protection function is turned off.

NOTE: When the digital electronic shock protection function is switched on or off, the sound will be interrupted for 1 to 2 seconds. This is normal.

IMPORTANT NOTES

Your hearing is very important to you and to us so please take care when operating this equipment. It is strongly recommended that you follow the listed guidelines in order to prevent possible damage or loss of hearing.

ESTABLISH A SAFE SOUND LEVEL

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
- Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible.
- Any ringing or discomfort in the ears indicates the volume is too loud.

once you have established a comfortable listening level, **DO NOT INCREASE THE SOUND LEVEL FURTHER.**

The following list of typical sound levels may assist you in recognizing just how loud you have set the volume level.

DECIBEL

Level dB	Example
30dB	Quiet library, soft whisper
40	Living room, fridge freezer bedroom away from traffic.
50	Normal conversation, quiet office, light traffic.
60	Electric sewing machine.
70	Vacuum cleaner, hair dryer, noisy restaurant.

THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB	Average city traffic, alarm clock buzzer at 2 feet, food mixer.
90dB	Motorcycle, heavy goods vehicle, petrol lawn mower.
100	Pneumatic drill, chain saw, garbage truck, discotec / night-club.
120	Rock band concert, thunderclap.

PERMANENT LOSS OF HEARING

140	THRESHOLD OF PAIN Gunshot 2 feet away.
180	Rocket Launching pad.