

Studebaker

Joggable Personal CD Player with FM PLL Radio

SB3703 OWNER'S MANUAL



Please read this Instruction Manual carefully before using
the unit and retain it for future reference

IMPORTANT NOTES

1. This product does not contain a separate Power On/Off switch. After inserting a disc and installing batteries / AC adaptor / USB Power, simply press the Play button to switch on and play a disc.
2. In order to maximise 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 5 minutes after a disc has finished playing or when the CD lid is opened.

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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.

Warning: The apparatus should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING

CLASS 1 LASER PRODUCT

CLASS 1 LASER PRODUCT
APPAREIL LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

CAUTION
INVISIBLE LASER RADIATION
WHEN OPEN AND INTERLOCKS
DEFEATED.
AVOID EXPOSURE TO BEAM



This product contains a low power laser device.

COMPLIANCE WITH FCC REGULATIONS

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:

- Reorientate 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 technician for help.

DEAR STUDEBAKER CUSTOMER

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.
- Once you have established a comfortable sound level : Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For a Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise.



Customer's Record:

The serial number of this product is found on its bottom cover. You should note the serial number of this unit in the space provided as a permanent record of your purchase to aid in identification in the event of theft or loss.

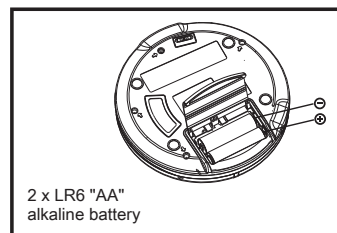
Model Number : SB3703

Serial Number :

POWER SOURCE

Battery Power Operation

1. Open the battery compartment cover and insert two "AA" alkaline batteries inside the battery compartment. Follow the polarity as indicated in the battery compartment.



2. Close the battery compartment cover.

Notes

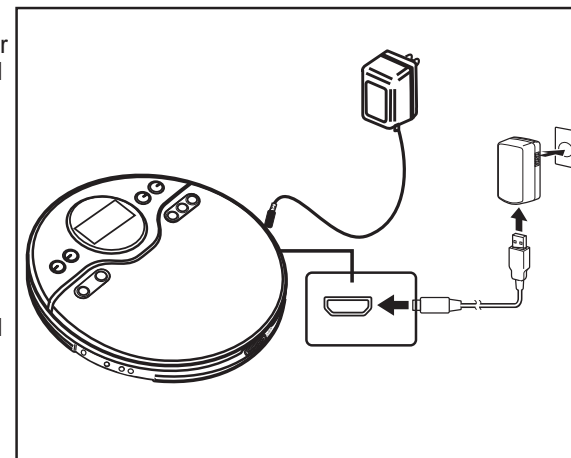
1. When the unit is to be operated using batteries, always unplug USB Power and the AC Adaptor from the AC power outlet and the DC output jack from the set. Otherwise the player will not operate.
2. When operating on batteries and the CD player no longer plays, the Radio can still be used.
3. For battery performance and longer operating time, we recommend the use of alkaline batteries.
4. (a) Do not mix old and new batteries.
(b) Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.

5. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and may void the warranty.
6. Do not dispose of batteries in fire, batteries may explode or leak.

AC Operation

(AC adaptor not included)

1. Insert the DC plug, at the end of the AC adaptor cord into the DC input jack, on the side of the unit.
2. Plug the AC adaptor into a 120V/60Hz AC power outlet socket.

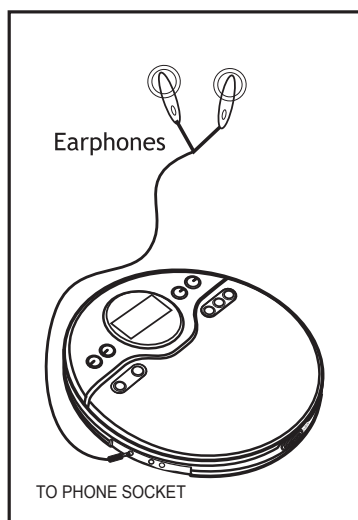


EARPHONES CONNECTION

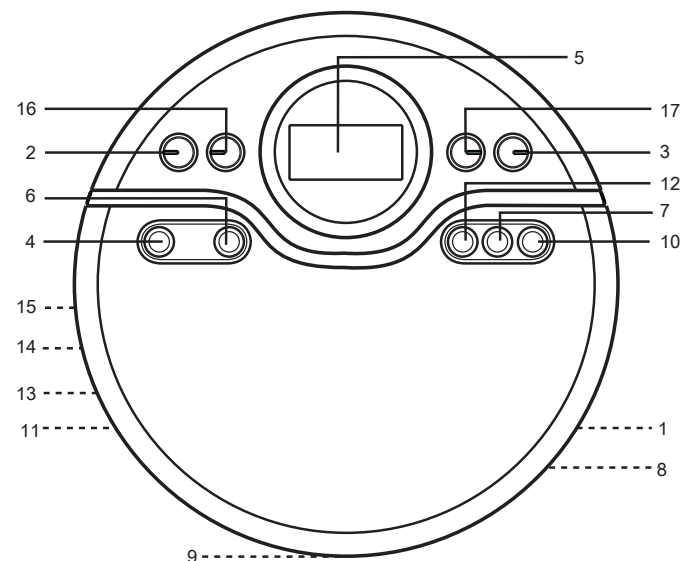
■ Listening with the Earphones

Connect the plug of the stereo Earphones (included) into the PHONE jack.

Caution Avoid excessive volume levels for a long period of time when using headphones, as this may impair your hearing.



LOCATION OF CONTROLS



- | | |
|-----------------------------------|--------------------------------|
| 1. DC IN | 9. CD DOOR OPEN SWITCH |
| 2. SKIP/SEARCH (⏮)/TUNING (▼) | 10. FUNCTION BUTTON |
| 3. PLAY/PAUSE (⏮)/POWER ON BUTTON | 11. VOLUME DOWN BUTTON |
| 4. PRESET (▲) BUTTON | 12. PROG./MODE BUTTON |
| 5. LCD DISPLAY WINDOW | 13. VOLUME UP BUTTON |
| 6. PRESET (▼) BUTTON | 14. BBS (BASS BOOST) BUTTON |
| 7. ASP BUTTON | 15. PHONES JACK |
| 8. USB POWER JACK | 16. SKIP/SEARCH (⏮)/TUNING (▲) |
| | 17. STOP (■)/POWER OFF BUTTON |

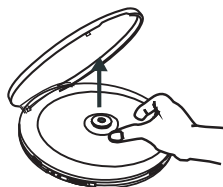
CD OPERATION

PLEASE READ THIS IMPORTANT INFORMATION:

CD mechanisms used in devices like this are designed to fully read all commercial CDs. They will also read self-compiled CD-RWs but it may take up to 10 seconds for playback to start. If playback does not start, it is likely due to the quality of the CD-R/RW disc and/or the compatibility of the CD compilation software. Manufacturer is not responsible for the playback quality of CD-R/RW discs. Do not attach a label or seal to either side of the CD-R/RW disc. It may cause a malfunction.

To turn on: Press **▶||** PLAY/PAUSE button
To turn off: Press **■** STOP button twice and the power will turn off.

Remove the Disc
Hold the edge and gently press the center pivot as illustrated, then pick up the disc.



CAUTION

Wait for disc to stop rotating before Slide the CD DOOR OPEN SWITCH.

AUTO power-off function (CD Mode only)

When the unit is stopped (standby mode) for approximately 5 minute, the power is automatically turned off.

To Emphasize the bass sound
Set the BBS button to the ON position.



Note The BBS Performance will be dependant on the VOLUME +/- setting.

1. Tap the FUNCTION button to select CD.
 2. Connect the earphones to the PHONES jack.
 3. Slide the OPEN switch to open the CD compartment lid.
 4. Set the VOLUME control to minimum.
 5. Insert the disc with the label side facing up. Push down in the center until the disc is locked in place.
 6. Close the lid securely until it clicks.
 7. Press the PLAY button, the total number of tracks will be displayed and press PLAY **▶||** to start to play
 8. Adjust volume level as required.
- Turning Power on and off (CD mode)

This unit has no ON/OFF switch for the CD section. To turn on and off, press the following buttons.

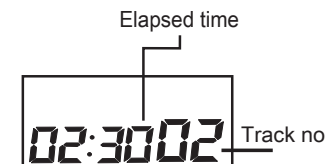
LCD DISPLAY INFORMATION

When the **▶||** is pressed at initial start up
The display will briefly show as illustrated then proceed to start playback.
To review the total number of tracks on the disc and total disc times, press the **■** STOP Button once.

Note: The ANTI-SKIP function will start automatically once the PLAY button is pressed.

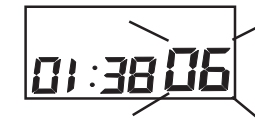


During PLAY mode
The track number and the elapsed playing Time are displayed.



This sixth track has elapsed 2 min 30 sec.


During PAUSE mode
When the track playback is paused, the track number will flash.



Note

When lid is opened during play mode " OPEN " shows in the display indicating the door is still open.

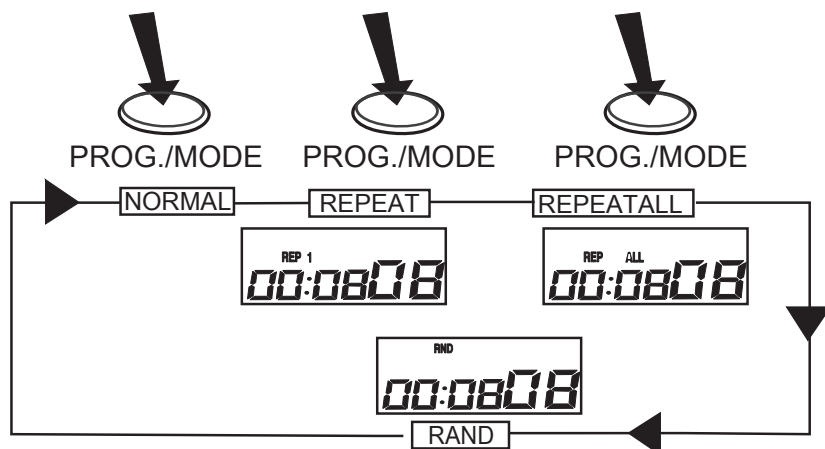
Note

A  indication appears in the display when the batteries need to be replaced.



PLAY AND REPEAT MODES

Every time the PROG./ MODE button is pressed.
The corresponding mode appears in the display window.



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

NORMALPLAYBACK

Play the whole disc.



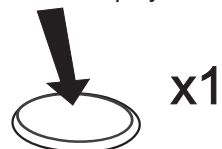
REP 1

Shown in the LCD display. The current track on the disc will be repeated.

REP ALL

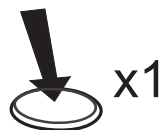
Shown in the LCD display. All tracks on the disc will be repeated.

Press once to play



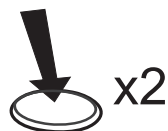
PLAY/PAUSE

During playback, press



PROG./MODE

During playback, press



PROG./MODE

RANDOM TRACK PLAY

RANDOM

Enables all the tracks on a disc to be played in a Random(Shuffle) sequence.

When in the PLAY mode, tap the MODE Button repeatedly to select random track play

In stop mode



PROG./MODE

NOTE NOTE If "RAND" is selected while playing track 8, the random function will commence once track 8 has ended. When all tracks on a disc have been played the player will automatically stop and power down in approx. 5 minutes to preserve battery life.



Press MODE button again to return to the NORMAL play mode.

PROGRAMMED PLAY

This allows selected tracks on the disc to be played in any desired order.

To set the program play

* Programs can only be set in the STOP mode.

1. Press the PROG button when the unit is in the stop mode.
The track number and "PROG" indicator appear in the display.
2. Press ◀◀ or ▶▶ to select the desired track.
3. Press the PROG button to enter the track into memory.
4. Repeat step 2 and 3 to program additional tracks into the PROG up to 24 tracks can be programmed.
5. Press ▶▶ to start the programmed play.
6. To erase the program, simply press the ■ STOP button once.



Track no. of the first desired selection



The second selection

SKIP AND SEARCH FUNCTIONS

Locating a Particular track

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

Locating a Particular Point in a track

To search back at a high speed	Keep ◀◀ depressed
To search 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.

DIGITAL ANTI SHOCK OPERATION

This player incorporates the latest digital anti shock circuit, which prevents interruption of the sound output if the unit is subjected to shock or vibration during disc playback. The anti shock system will automatically start when a disc

is played. The **ESP** icon will show in the display at start up. If the anti shock function is not required then it can be switched off by pressing the ASP button once. The **ESP** icon disappears from the display.

Super ASP Indicator




The sound will mute for approximately 1 second while the buffer fills, once filled the buffer will give approximately 60 seconds of protection against interruption of sound output, if the player is subjected to shock of over 60 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 the ASP button.

Notes

1. When using the ANTI-SKIP function the battery power consumption increases because the disc rotates faster than normal and the dynamic memory is active.
2. While the ANTI-SKIP function provides for continuous sound output when the unit is subjected to shock or vibration it will not correct errors arising from the use of defective scratched or dirty discs.
3. When powering the player solely from batteries, only use the ANTI-SKIP function where necessary to preserve battery life.


RADIO OPERATION

1. Press POWER ON () key.
2. Tap the FUNCTION Button select FM mode, the FM radio frequency appear in display.
3. To manually tune to a specific radio station, tap the ▲ or ▼ Button repeatedly. Use the manual tuning method to tune in weaker stations that are bypassed during Automatic Tuning.
4. To automatically tune to the next available radio station, press and hold the ▲ or ▼ Button for 1-2 seconds until frequency readout on the display begins to scan and then release the button. The tuner will stop scanning when it receives the next broadcasting station of adequate signal strength.
5. Press the volume control VOLUME+/- Button adjust the volume control to the desired volume level.

Aerial

FM : The headphones cord acts as an aerial and must be fully extended for best reception.

PRESET RADIO STATIONS

1. Press the POWER ON  Button.
2. Tap the FUNCTION Button select FM radio mode.
3. Tune to the desired radio station either by “manually” or “automatically” tuning method.
4. Tap the PROG. Button , the preset memory number flash in the LCD display. (Note: “P01” will blink in the display if you are programming preset for first time)
5. Tap the PRESET ▲ or ▼ Button repeatedly to select the preset number you want to assign the station to.
6. Tap the PROG. Button to confirm the setting.
7. Repeat above steps 3 - 6 to preset up to 30 FM stations.

RECALLING PRESET MEMORY CHANNELS

Press the PRESET ▲ or ▼ Button repeatedly to selected the desired station is located.

PLAYER MAINTENANCE

Cleaning the Cabinet

Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth (never wet) with a weak solution of neutral detergent and water, and then wipe clean.

Cleaning the lens

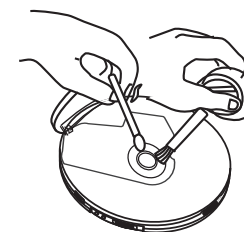
Adirty lens will cause sound skipping and, if the lens is very dirty, the Player may not work. Open the disc cover and clean the lens as follows:

Dust or Dry Particles

Using a camera lens brush / blower, to 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

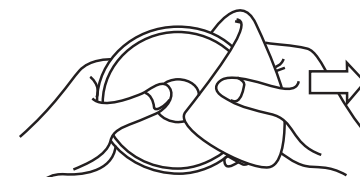
If the lens cannot be cleaned by using a brush / blower, use a dry cotton swab starting in the middle and working to the outside edge.



DISC CLEANING

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 anti-static spray intended for analogue discs.

TROUBLE SHOOTING

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 CD/RADIO function switch incorrectly set. Auto power off has occurred, Press PLAY button to restore power.
No sound from Earphones	Earphone plug is not firmly inserted into the Phones socket.
No sound when played	Connection is incorrect
Intermittent sound	Dirty or defective disc Dirty pick up lens Player is subject to excessive vibration or shock Low battery power Poor Headphone connection ASP not selected
Noise or sound distorted	Station not tuned properly

90 DAY LIMITED WARRANTY AND SERVICE VALID IN THE U.S.A. ONLY

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants this unit to be free from defective materials or factory workmanship for a period of 90 days from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicate copy of a sales receipt. You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein. This warranty is valid only in accordance with the conditions set forth below:

EN-15

- The warranty applies to the SPECTRA product only while:
 - It remains in the possession of the original purchaser and proof of purchase is demonstrated.
 - It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the user manual or non-SPECTRA approved modifications.
 - Claims are made within the warranty period.
- This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA user manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the user manual.
- Warranty of all SPECTRA products applies to residential use only and is void when products are used in nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it freight prepaid to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so please include your name, address, phone number and email address to expedite the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for \$15.00 to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by email at custserv@spectraintl.com for updated information on the unit requiring service.

In some cases the model you have may be discontinued, and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.
4230 North Normandy Avenue,
Chicago, IL60634, USA. 1-800-777-5331

To register your product, visit the link on the website below to enter your information.
<http://www.spectraintl.com/wform.htm>

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