

*Studebaker*

# Portable Cassette Player Recorder with FM Radio

## SB2127 OWNER'S MANUAL



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

## COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

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.

### WARNING

**Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

## CAUTION

**Follow the advice below for safe operations.**

- Stop operation immediately if any liquid or solid object should fall into the cabinet.
- If the unit is not to be used for a long period of time, make sure that all power sources are disconnected from the unit. Remove all batteries from the battery compartment, and unplug the AC-DC adaptor from the wall outlet. Make it a practice to remove the AC-DC adaptor by grasping the plug and not by pulling the cord.

### ON PLACEMENT

- Do not use the unit in places, which are extremely hot, cold, dusty or humid.
- Place the unit on a flat and even surface.
- Do not restrict the airflow of the unit by placing it in a place with poor ventilation, by covering it with a cloth or by placing it on a carpet.

### ON CONDENSATION

- When left in a heated room where it is warm and damp, water droplets or condensation may form inside the unit.
- When there is condensation inside the unit, the unit may not function normally. Let it stand for 1 to 2 hours before turning the power on, or gradually heat the room up and dry the unit before use.

Should any trouble occur, remove the power source and refer servicing to qualified personnel.

## 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.



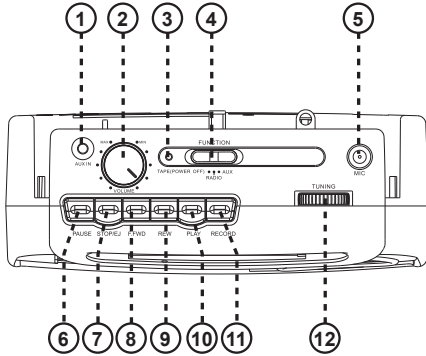
### Customer's Record:

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.

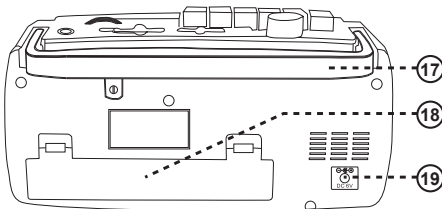
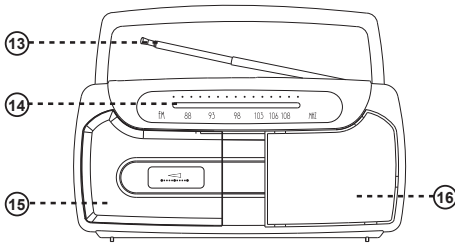
Model Number: SB2127

Serial Number :

## LOCATION OF CONTROLS



1. AUX IN JACK
2. VOLUME CONTROL
3. POWER INDICATOR
4. FUNCTION SWITCH
5. MIC
6. PAUSE BUTTON
7. STOP/EJECT BUTTON
8. FAST FORWARD BUTTON
9. REWIND BUTTON
10. PLAY BUTTON
11. RECORD BUTTON
12. TUNING CONTROL
13. TELESCOPIC ANTENNA
14. TUNING SCALE AND POINTER
15. CASSETTE DOOR
16. SPEAKER GRILL
17. HANDLE
18. BATTERY COMPARTMENT
19. DC JACK



## POWER SOURCE

The SB2127 operates using the supplied AC Adapter (AC 120V ~ 60Hz) or with 4 X 'C' size (UM-2) batteries (not included).

### BATTERY OPERATION

1. Remove the Battery Door located on the back of the unit carefully pushing the battery door lock towards the OPEN direction. The battery door can then be removed.
2. Following the polarity diagram shown in the battery compartment, insert 4 X 'C' size (UM-2) batteries (not included) and replace the battery door.

NOTE : Disconnect the AC adapter before installing the batteries.

For best performance and longer operating time, we recommend the use of alkaline batteries.

### BATTERY WARNING

1. Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
2. Use only the size and type of batteries specified.
3. Do not mix old and new batteries.
4. 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 try to recharge batteries not intended to be recharged; They can overheat and rupture. (Follow battery manufacturer's directions).
7. Do not dispose of batteries in fire, Batteries may leak or explode.

### AC ADAPTOR OPERATION

1. Plug the AC adaptor into normal AC power outlet socket.
2. Insert the DC plug of the AC adaptor cord into the DC IN JACK (#19) at the back of the unit.
3. When the unit is operated using AC adapter, the battery source will automatically be disconnected.

NOTE: Only use the supplied adapter

**WARNING** : Before connecting to the power supply, ensure that the supply corresponds to the information on the rating label at the back of the apparatus.

## RADIO OPERATION

1. Slide the FUNCTION SWITCH (#4) to the RADIO position. The POWER INDICATOR (#3) will light.
2. Rotate the TUNING CONTROL (#12) to your desired radio station according to the dial scale on the SB2127.
3. Rotate the VOLUME CONTROL (#2) to adjust to the desired output level.
4. To turn off the radio, set the FUNCTION SWITCH (#4) to the TAPE (POWER OFF) position

### TIPS FOR BEST RADIO RECEPTION:

To insure maximum FM tuner reception, fully extend the TELESCOPIC ANTENNA (#13) for best FM radio reception

## AUX IN OPERATION

You can playback your favorite music from your iPod or portable digital audio player using the Aux in function.

1. Connect the headphone jack of your external device to the AUX IN JACK (#1) located on the top of the unit using a audio cable (not included) with a 3.5mm stereo plug on either ends.
2. Slide the FUNCTION SWITCH (#4) to AUX.
3. Start playing your external audio device.
4. Slowly increase the volume control of the unit until the desired level is obtained. To avoid output sound distortion due to overloading, you may need to lower the volume output of your audio device.

### Notes:

- The stereo music from your audio device will be converted to a monaural audio output.
- If you connect this unit to the Line-Out Jack of your external device then you only need to adjust the volume control of this unit. If you connect the Headphone Jack of your external device then you may need to adjust both the volume controls of your external device and this unit to obtain the desirable volume setting.
- Slide the FUNCTION SWITCH (#4) to TAPE (POWER OFF) position to turn off the unit when you have finished listening.
- Don't forget to switch off the power of your external device as well.

## CASSETTE OPERATION

### DECK CONTROL BUTTONS

PAUSE BUTTON ■ (#6)	Press to stop the tape operation temporarily. Press again to resume
STOP / EJECT BUTTON ■▲ (#7)	Press to stop all deck operations. Press again to open the cassette door.
FAST FORWARD BUTTON ►► (#8) & REWIND BUTTON ◀◀ (#9)	Press to start rapid tape winding in either forward or reverse direction. Press the STOP / EJECT BUTTON when the cassette spools stop turning
PLAY BUTTON ► (#10)	Press to start playing tape
RECORD BUTTON ● (#11)	Press to start tape recording.

### PLAYBACK

1. Slide the FUNCTION SWITCH (#4) to the TAPE position.
2. Press the STOP/EJECT BUTTON (#7) to open the CASSETTE DOOR (#15).
3. Put in a cassette tape with the side to play facing out, and close the CASSETTE DOOR (#15).
4. Press the PLAY BUTTON (#10) to active playback. The POWER INDICATOR (#3) will light.
5. Adjust the VOLUME CONTROL (#2) to the desired level.
6. Use the PAUSE BUTTON (#6) when you want to stop playback temporarily.
7. Press the STOP/EJECT BUTTON (#7) when finished.

### Recording from the AUX IN

1. Slide the FUNCTION SWITCH (#4) to AUX position. The POWER INDICATOR (#3) will light.
2. Connect the headphone jack of your external device to the AUX IN JACK (#1).
3. Load a blank cassette tape into the Cassette Compartment.
4. Press the PAUSE BUTTON (#6).
5. Press the RECORD BUTTON (#11).
6. Start playing your external audio device.
7. Release the PAUSE BUTTON (#6) to begin recording.
8. To stop recording, press STOP/EJECT BUTTON (#7).

### Recording from the built-in Radio

1. Select the FUNCTION SWITCH (#4) to RADIO position. The POWER indicator will light.
2. Rotate the TUNING CONTROL (#12) to your desired radio station. Adjust the TELESCOPIC ANTENNA to obtain best reception.
3. Load a blank cassette tape into the Cassette Compartment.
4. Press the PAUSE BUTTON (#6).
5. Press the RECORD BUTTON (#11).
6. Release the PAUSE BUTTON (#6) to begin recording.
7. To stop recording, press STOP/EJECT BUTTON (#7).

### Recording from Microphone

1. Place the recorder within 2 or 3 feet of the sound source.
2. Slide the FUNCTION SWITCH (#4) to TAPE position.
3. Load a blank cassette tape into the Cassette Compartment. Press the PAUSE BUTTON (#6).
4. Press the RECORD BUTTON (#11).
5. Release the PAUSE BUTTON (#6) to begin recording.
6. To stop recording, press STOP/EJECT BUTTON (#7).

Notes :

- When the tape plays to the end, recording will stop automatically.
- The recording level is automatically set and no volume adjustment is necessary.
- The SB2127 is a mono player/recorder, so mono signal will be recorded through the AUX JACK (#1) or Radio.

## CARE AND MAINTENANCE

- Do not subject the unit to excessive force, shock, dust or extreme temperature.
- Do not tamper the internal components of the unit.
- Clean your unit with a dry cloth. Solvent or detergent should never be used.
- Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
- Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.

### ABOUT CASSETTE TAPES

Whenever you record on a cassette any previously recorded material is erased as the new material is recorded. To prevent you from accidentally erasing material which you wish to save, blank cassettes are equipped with erase prevention tabs for each side of the tape. If the erase prevention tab for side A is removed, you cannot accidentally record on side A. The Record ● button cannot be depressed if the erase prevention tab on the cassette has been removed.

To prevent accidental erasing on side A of a cassette use a small screw driver or similar tool to break off the erase prevention tab for side A. This prevents the record key from locking.

If later you do wish to record on side A of the cassette, cover the tab opening with a piece of cellophane tape. This will allow the Record ● button to function again.



TAB FOR SIDE A.  
BREAK OFF TO PREVENT RECORDING



COVER OPENING WITH TAPE  
IN ORDER TO RECORD AGAIN.



## CASSETTE CARE

Two common causes of trouble experienced when using cassettes are:

- 1) Tape Jamming – Leading to uneven speed in playback, and
- 2) Tape Tangling – Where the tape wraps itself around vital parts of the mechanism.

To reduce the likelihood of these problems occurring, the following precautions should be observed:

- Check that there are no loose layers of tape visible through the cassette center window (see Fig. 1). Take up any loose layers, using a pencil or hexagonal barrelled ballpoint pen, before inserting the cassette into the machine (see Fig.2)



Fig.1



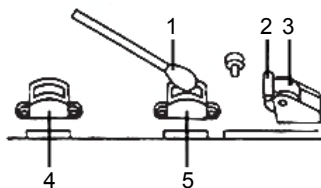
Fig.2

- If the cassette feels tight while performing operation shown (see Fig.2), the tape may be jamming due to ridges formed in the winding of the tape (visible through the center window). These may be removed, in most cases, by fast winding of the cassette from one end to the other and back again.
- Use only well-known brands of tape. Avoid use of C-120 cassettes.

Furthermore, do not expose cassettes to direct sunlight, dust or oil, and do not touch the tape surfaces.

## HEAD CLEANING

For continued high performance from your cassette deck, periodically clean the head, pinch roller, and capstan. We recommend cleaning after every 20-30 hours of operation. To clean the tape deck, press the STOP/EJECT key to open the deck door. Remove any tape in the deck. Make sure that the power to the unit is OFF. Moisten a cotton swab with isopropyl alcohol or a special head cleaning fluid. Carefully rub the face of each head, pinch roller, and capstan with the moistened cotton swab



1. Cotton Swab
2. Capstan
3. Pinch Roller
4. Erase
5. Tape Head

## TROUBLE SHOOTING

If you experience difficulties in the use of this music system, please check the following or call 1-800-777-5331 for Customer Service.

SYMPTOM	POSSIBLE	SOLUTION
No sound	Power adapter connection unstable	Reconnect adapter
	Volume set at minimum	Increase Volume level
Noise on broadcast	Station not tuned properly	Retune the broadcast station
	Telescopic antenna is not extended.	Fully extend the FM telescopic antenna
Sound is distorted	Volume level is set too high.	Decrease the volume

## SPECIFICATION

### Power Requirements

AC/DC adapter

Input AC 100 - 240V ~

Output DC 6V  400mA 

Batteries

C size (UM2) x 4 PCS for battery operation (not included)

Tape System

2-Track Monophonic Cassette

Tape Speed

4.75 cm/sec

Recording System

Magnetic Erase, AC Bias

FM Radio Frequency

88 – 108 MHz

## 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:

1. The warranty applies to the SPECTRA product only while:
  - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.
  - b. 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.
  - c. Claims are made within the warranty period.
2. 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.
3. 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 \$20.00 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](mailto: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>