Studebaker

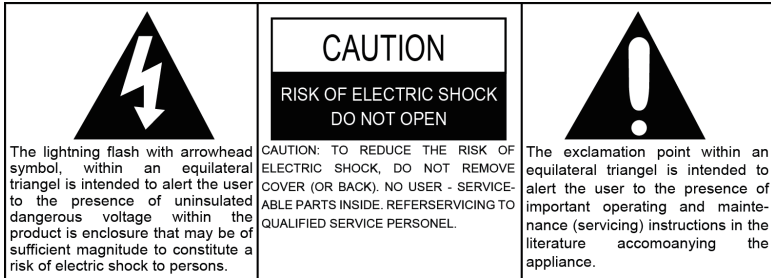# Bluetooth Floor Stand Turntable with CD Player and FM Radio

SB6085 OWNER'S MANUAL

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

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION	
	RISK OF ELECTRIC SHOCK DO NOT OPEN	
The lightning flash with arrowhead symbol, within an equilateral triangel is intended to alert the user to the presence of uninsulated dangerous voltage within the product is enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER - SERVICE-ABLE PARTS INSIDE. REFERSERVICING TO QUALIFIED SERVICE PERSONEL.	The exclamation point within an equilateral triangel is intended to alert the user to the presence of important operating and mainte-nance (servicing) instructions in the literature accomoanying the appliance.

The Caution Marking and rating label are located at the back enclosure of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that product heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for a long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.
16. Do not overload wall outlet. Use only power source as indicated.
17. Use replacement part as specified by the manufacturer.
18. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
19. Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instruction.
20. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
21. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
    e) If the product has been dropped or damaged in any way, and
    f) When the product exhibits a distinct change in performance - this indicates a need for service.
22. Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
23. Excessive sound pressure from earphones and headphone can cause hearing loss.
24. Minimum distances of 10 cm around the apparatus for sufficient ventilation.
25. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
26. No naked flame sources, such as lighted candles, should be placed on the apparatus.
27. The use of apparatus in moderate climates.

SAVE THESE INSTRUCTIONS

CAUTION

Follow the advice below for safe operations.

ON PROTECTION AGAINST LASER ENERGY EXPOSURE

- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing.
- Stop operation immediately if any liquid or solid object should fall into the cabinet.
- Do not touch the lens or poke at it. If you do, you may damage the lens and the player may not operate properly.
- Do not put anything in the safety slot. If you do, the laser diode will be ON when the CD door is still open.
- 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.
- This unit employs a laser. The use of controls or adjustment or performance of procedures other than those specified here may result in exposure to hazardous radiation.

Caution:
- Any use of the controls or performing any of the procedures in a way other than those specified herein may result in hazardous radiation exposure.
- This unit should not be adjusted or repaired by anyone except qualified service personnel.

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 air-flow 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.

PRECAUTION FOR USE

- UNPACK ALL PARTS AND REMOVE PROTECTIVE MATERIAL.
- DO NOT CONNECT THE UNIT TO THE MAINS BEFORE CHECKING THE MAINS VOLTAGE AND ALL OTHER CONNECTIONS HAVE BEEN MADE.
- DO NOT COVER ANY VENTS AND MAKE SURE THAT THERE IS A SPACE OF SEVERAL CENTIMETERS AROUND THE UNIT FOR VENTILATION.

COMPLIANCE WITH FCC REGULATIONS

FCC ID: 2ANXU-SB6085

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.

NOTE : 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.

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

PROTECT YOUR FURNITURE

This model is equipped with non-skid rubber 'feet' to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the 'feet' to soften, and leave marks or a rubber residue on the furniture. To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.

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 back 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.

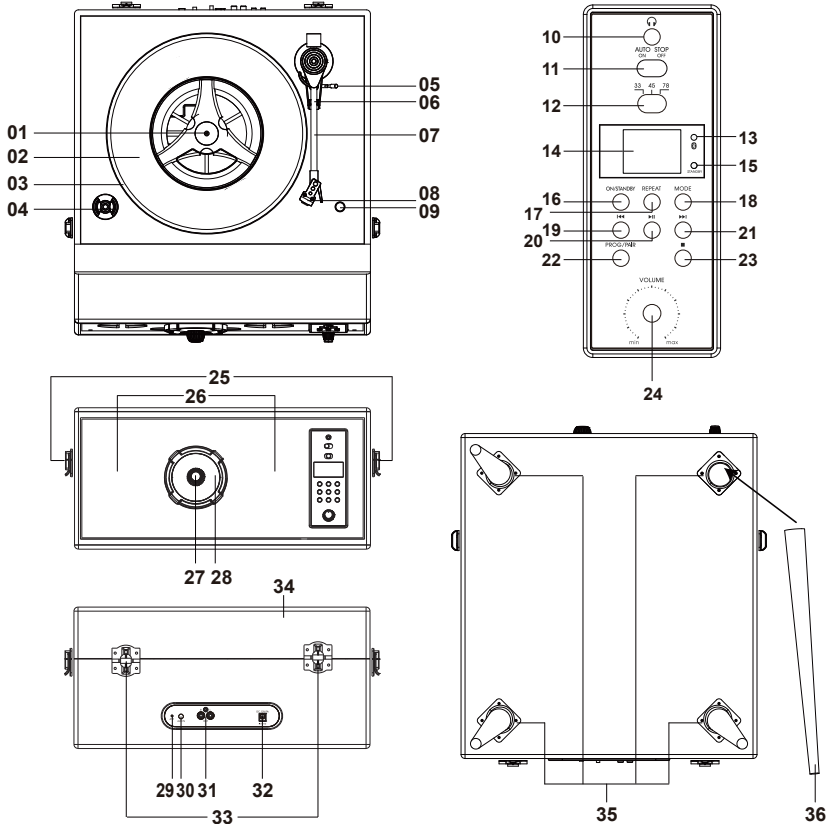**Model Number: SB6085**   **Serial Number: _____**

CONTENTS OF YOUR PRODUCT

Turntable unit	x 1 set
45 RPM Adapter	x 1 pc
Wooden legs	x 4 pcs
AC Adapter (DC12V 2A)	x 1 pc
User Manual	x 1 pc
12 INCH TURNTABLE FELT MAT	x 1 pc

INSTALL WOODEN LEGS

Before installation, ensure all accessories to install the stand are ready.

1. Turn the unit upside down.
2. Screw tighten the 4 WOODEN LEGS (provided) into the respective METAL BRACKET (FOR WOODEN LEGS).
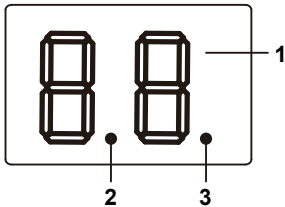3. Once completed assembly, turn back to the upright position.

LOCATION OF CONTROLS

1. CD ACTIVATE COVER WITH TURNTABLE SHAFT
2. 12 INCH TURNTABLE FELT MAT
3. TURNTABLE PLATTER
4. 45 RPM ADAPTOR
5. CUE LEVER
6. TONE ARM REST/CLIP
7. TONE ARM
8. CARTRIDGE
9. PITCH CONTROL KNOB

10. EARPHONE JACK
11. AUTO STOP SWITCH
12. 33/45/78 RPM SPEED SELECTOR
13. BLUETOOTH MODE LED INDICATOR
14. LED DISPLAY
15. STANDBY MODE LED INDICATOR
16. ON/STANDBY BUTTON
17. REPEAT BUTTON
18. MODE BUTTON
19. SKIP BACKWARD I◀◀ BUTTON
20. PLAY/PAUSE ▶II BUTTON; BLUETOOTH PAIRING BUTTON
21. SKIP FORWARD ▶▶I BUTTON
22. PROGRAM BUTTON
23. STOP ■ BUTTON
24. VOLUME CONTROL KNOB
25. TOP LID LOCK
26. SPEAKER GRILL
27. TUNING KNOB
28. FM DIAL SCALE
29. FM ANTENNA
30. AUX-IN JACK
31. L/R RCA OUTPUT JACKS
32. DC IN JACK
33. METAL HINGES
34. TURNTABLE TOP LID
35. METAL BRACKET (FOR WOODEN LEGS)
36. WOODEN LEGS

CAUTION:
This unit should not be adjusted or repaired by anyone except qualified service personnel.

LED DISPLAY INDICATION

1. TRACK NUMBER
2. PROGRAM INDICATOR
3. REPEAT 1/ALL INDICATOR

POWER SOURCE

An AC-DC Adaptor with the output of DC 12V, 2A (included) is required for operating the main unit.
1. Unwind the AC POWER ADAPTOR fully and firmly insert the DC plug of the adaptor into the DC IN Jack on the back of the unit.
2. Plug the adaptor's AC plugs into any convenient household 120V~ 60Hz AC outlet.
3. Press and hold the ON/STANDBY button to turn on the SB6085.
4. Press and hold the ON/SATNDBY button again to turn the unit into standby mode. Standby LED will light.

1. Press and hold the ON/STANDBY button to turn on the unit power. The LED DISPLAY shows "tU".
2. The FM DIAL SCALE backlight will light up.
3. Rotate the TUNING KNOB to tune in the station you want to listen to.
4. Rotate the VOLUME CONTROL KNOB to the desired volume level.
5. When you wish to turn off the Radio, press and hold the ON/STANDBY button to turn the unit into standby mode.

Hints for best reception:
The FM receiver has a build-in FM ANTENNA hanging at the rear cabinet. For best FM reception, the FM lead wire antenna located on the back of the set should be fully unwrapped and extended.

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-R/CD-RW discs 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.

PLAYING A CD

1. Remove the 12 inch turntable felt mat over the platter and keep it in a safe place ready for use.

2. Press and hold the ON/STANDBY button to turn on the unit. Press the MODE button to select CD mode, the LED DISPLAY shows "Cd".

3. Lift up the CD ACTIVATE COVER to load a CD, display shows "OP".

4. Carefully place an audio CD with its label side facing upward on the tray.

5. Place the CD ACTIVATE COVER back to its original position. You will hear a "click" sound if the placement is correct.

6. After the CD is read, the LED display shows the total number of the tracks. If a CD is not recognized by the player or if no disc is loaded, the display will show "no".

7. Press the PLAY/PAUSE ▶II button to start playing the first track.

8. To pause playback, press the PLAY/PAUSE ▶II button. Track number digits will be flashing. Press the button again to resume normal playback.

9. You can choose to play your favorite track directly by pressing either the SKIP FORWARD ▶▶I button or SKIP BACKWARD I◀◀ button. The LED DISPLAY will indicate the track number you selected.

10. To locate a particular section within a track, press and hold the ▶▶I button or I◀◀ button until the section is found. Release the button to continue playing your selection.

11. To stop playing, press STOP ■ button. LED DISPLAY will show total tracks.

12. To turn off the unit after listening, press and hold the ON/STANDBY button. Unit will enter standby mode, standby LED lights up.

REPEAT MODE

REPEAT 1
To repeat the current track, press the REPEAT button once, the repeat indicator will flash in LED display. The track will continue to play until the repeat function is turned off.

REPEAT ALL
To repeat all the tracks, press the REPEAT button twice, the repeat indicator will be solid on. All the tracks on the disc will be played repeatedly.

To Cancel Repeat Function: Press the REPEAT button until REPEAT indicator goes off from LED display.

CD PROGRAM PLAY MODE
This function allows the CD tracks to be played in programmed sequence.

1. Load the CD Disc you wish to program.
2. In CD STOP mode, press the PROG/PAIR button once, the program indicator will light and flash. LED display will briefly show program number "01" and then flash "00" to prompt for input track number.
3. Press SKIP BACKWARD I◀◀ button or SKIP FORWARD ▶▶I button until the desired track number is reached.
4. Press the PROG/PAIR button to store the selection. Program number will advance to "02" which show briefly and then flash "00" to prompt for input of next track to be programmed.
5. Repeat above steps 3 - 4 until you have entered all 20 tracks you want to program.
6. To play the stored sequence, press the PLAY/PAUSE ▶II button. The PROGRAM indicator will light steadily.
7. After all memory tracks have been played, the CD will stop automatically.

NOTES:
   1.) When 20 tracks of CD music have been programmed, LED display will show the first programmed track number. If you keep programming the track, the first programmed track will be erased.
   2.) The Repeat function also applies to programmed track playback.

To repeat programmed tracks
1. During program play, pressing REPEAT button once will repeat the specifically programmed tracks.
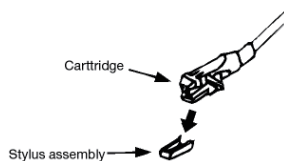2. Press the REPEAT button again will repeat all the programmed tracks.

To Erase programmed track
1. Press the STOP ■ button to stop the CD playback.
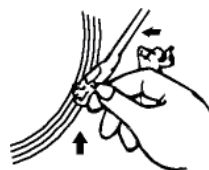2. Lift up the CD ACTIVATE COVER, all programmed track will be erased.

PHONO OPERATION

Please Note - Before Use

- Remove the stylus protector.
- Be sure that the TONE ARM is unlocked and free to move from the TONE ARM REST prior to operating. Lock the TONE ARM in place again when not in use.
- Make sure CD ACTIVATE COVER WITH TURNTABLE SHAFT is properly attached and the 12 inch turntable felt mat is placed over the platter.

Carttridge

Stylus assembly

1. In Power on mode, press the MODE button repeatedly until the LED DISPLAY shows "PH".

2. Raise the turntable top lid.

3. Place a record on the TURNTABLE PLATTER (use the 45 RPM ADAPTER when playing 45 RPM record.)

4. Set the speed selector to the proper position for the record you are playing.

5. Lift the TONE ARM from the TONE ARM REST by using the CUE LEVER and slowly move it over the record. The TURNTABLE PLATTER will begin spinning.

6. Raise the TONEARM using the CUE LEVER and move the TONEARM to the beginning of the record or to the beginning of a particular track. Use the CUE LEVER to lower the TONEARM STYLUS onto the record to start playing.

7. Adjust the VOLUME CONTROL KNOB to the desired level.

8. At the end of record, the platter will automatically stop spinning. Lift the TONE ARM from the record by using the CUE LEVER and return it to the TONE ARM REST. Lower the CUE LEVER.

9. To stop playing manually, lift the TONE ARM from the record by using the CUE LEVER and return it to the TONE ARM REST. Lower the CUE LEVER.

10. To turn the system into standby mode, press the ON/STANDBY button. The Standby mode LED indicator turns on.

NOTES:

Certain types of records may have an auto-stop area outside the preset limit, so the turntable may stop before the last track finishes. If this occurs, set the AUTO-STOP SWITCH to the "OFF" position. This allows the record to play to the end, but please note that it will not stop automatically. You must manually raise the TONE ARM and place it back in the TONE ARM REST and then turn off the power to stop the turntable from spinning.

PITCH ADJUST

The PITCH ADJUST allows you to fine tune the playing speed of the record once the correct speed (33/45/78 RPM) is chosen. Turn the Pitch Adjust Control to slightly increase or decrease the speed of the turntable if necessary.

BLUETOOTH OPERATION

PAIRING A SMARTPHONE OR BLUETOOTH ENABLED DEVICE

The Bluetooth feature enables you to stream and play the digital music from your Bluetooth enabled device to your unit.

1. In power on mode, tap the MODE button repeatedly to select Bluetooth mode, the LED DISPLAY will show "bt", the Bluetooth ❸ indicator will flash.
2. The unit will start in auto connection mode and search for a previously paired device that is active and in range (30 feet/10 meters). If found, a brief welcome melody will be heard and Bluetooth indicator will change to solid on. If no active device is found, the unit will switch to interactive pairing mode and the Bluetooth indicator keeps flashing.
3. To establish a new link, turn on the Bluetooth function of your Bluetooth enabled device and enable the search or scan feature to find "SB6085" in the list of discoverable Bluetooth devices. Select the "SB6085" from your available device list when it appears on its screen and a brief welcome melody will be heard if pairing and connection is successful. If you are asked for a password, enter "0000".
4. If no successful pairing and connection is made within 5 minutes, the unit may enter manual pairing mode. You need to press and hold the PAIR button until Bluetooth indicator flashes to initiate a pairing/connecting request to a new or old Bluetooth enabled device. Follow step #3 to complete the process.
5. After successfully pairing and connecting your device with SB6085, the unit will emit a brief welcome melody and the Bluetooth indicator will change to solid on. You can now play music from your Bluetooth enabled device wirelessly to the SB6085.
6. If you want to connect the SB6085 to another new external Bluetooth enabled device while paired with another device, press and hold the "PROG/PAIR" button for 3 seconds to disconnect the existing connection. The unit will emit two short beeps and Bluetooth indicator will change to flash. Repeat steps #3 to #4 above to make a new link.
7. Rotate the VOLUME CONTROL on the top panel to increase the listening volume gradually until a comfortable listening level is reached.
8. Press the PLAY/PAUSE ▶II button to control play/pause.
9. Press the SKIP FORWARD ▶▶I button to skip to next song and SKIP BACKWARD I◀◀ button to skip to previous song.

Notes:
- If you cannot pair the unit with your Bluetooth enabled device, try solving the problem by turning the unit power off, then power on, and then starting the pairing process again.
- The Bluetooth function of the unit will remain paired unless the paired device goes out of range of 30 feet (10 meters). If the broken link is re-established within 30 seconds, the SB6085 will reconnect to the current paired device automatically. Otherwise you will need to make a manual connection again later.
- You may need to turn off the Bluetooth function of the paired external device first before you make a new link.
- Refer to manual of your smartphone or external Bluetooth enabled device for correct Bluetooth operation instructions since it may vary from model to model.
- If your Bluetooth enabled device does not support A2DP, it will not play the music through the SB6085 system even after it is paired and connected successfully.
- If you are pairing and connecting your personal computer to the SB6085 using Bluetooth, you may need to set the SB6085 as your computer's default sound device.

E-11

RE-LINKING TO A SMARTPHONE OR BLUETOOTH ENABLED DEVICE

Even if your smartphone or Bluetooth device is already paired with the SB6085 and with both Bluetooth functions turned on, they can become unlinked at some point due to intentional manual disconnection or undesirable external signal interferences or over-range for more than 10 seconds. If this happens, the unit will emit two short beeps. You can re-link them and resume play by:

1. Select "SB6085" from the device list on your smartphone or Bluetooth device. The SB6085 should re-link to your Bluetooth enabled device within 5 seconds.
2. Tap the play button of the music player on your Bluetooth enabled device to resume playback.

AUXILIARY INPUT

The SB6085 provides an AUX IN JACK for connecting external audio devices like MP3 players, CD players and the older, non-dockable iPod (except iPod shuffle 3rd generation) to listen through the speakers of this system.

1. Use an audio cable (not included) with one 3.5 mm stereo plug on each end of the cable.
2. Plug one end into the AUX IN JACK on the front of the SB6085 and the other end of the cable into the Line-out Jack or Headphone Jack of your external audio device.
3. Turn on the SB6085 and your external audio device.
4. Press the MODE until the LED DISPLAY appears "AU"
5. The volume level can now be controlled through the main unit. Operate all other functions on the auxiliary device as usual.

Notes :

- If the Headphone Jack of your external device is connected, then you may need to adjust both the volume control of your external device and the volume control of this system to find the most desirable volume setting.

- Press and hold the ON/STANDBY button to turn off the SB6085 when you finish listening. Don't forget to switch off the power on your external device as well.

LINE OUT CONNECTION

You can connect this unit to an external Hi-Fi / AMPLIFIER system by connecting the LINE OUT RCA Jacks to the auxiliary input jacks on your Hi-Fi / AMPLIFIER system with RCA cables (not included).

Note: The Volume control on the main unit will not adjust the volume when using the LINE OUT.

USING HEADPHONES (NOT INCLUDED)

Inserting the plug of your stereo headphones (not included) into the headphone jack located on the front panel will enable you to listen in private. When using headphones, the speakers will be disconnected.

READ THIS IMPORTANT INFORMATION BEFORE USING YOUR HEADPHONES

1. Avoid extended play at very high volume as it may impair your hearing.

2. If you experience ringing in your ears, reduce the volume or shut off your unit.

3. Keep the volume at a reasonable level even if your headset is an open-air type designed to allow you to hear outside sounds. Please note that excessively high volume may still block outside sounds.
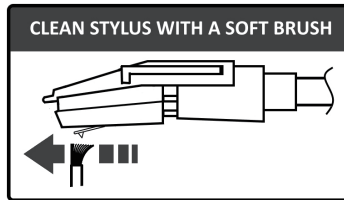
CARE AND MAINTENANCE

1. Do not subject the unit to excessive force, shock, dust or extreme temperature.
2. Do not tamper the internal components of the unit.
3. Clean your unit with a dry cloth. Solvent or detergent should never be used.
4. Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
5. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
6. Always clean the outside of the cabinet thoroughly if it becomes wet with moisture or water splashes. This will help to protect the internal parts of the unit from entry of water and possible moisture damage.
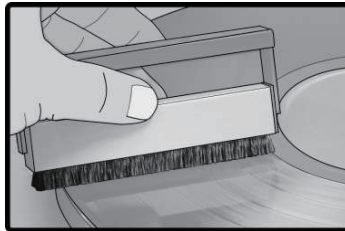
RECORD CARE AND MAINTENANCE
To ensure the best sound and the least amount of wear on your records, it's essential that they are kept clean. Make sure your records, especially older ones, are sufficiently cleaned prior to playing them.

Thoroughly clean dust off the stylus and record regularly.

• Use a soft brush to clean the stylus. Brush from the base to the tip as shown below.

CLEAN STYLUS WITH A SOFT BRUSH

• For records with only light amounts of dust, we recommend brushing them off with a carbon fiber brush or velvet pad before playing them. Use a good quality record cleaner and brush set to keep your records clean. **Studebaker models SB450 and SB445 are available online.** Other carbon fiber brushes, velvet pads and record cleaning kits are available online or in local record stores.

• Using a mild dish soap and warm water for washing your records will also help remove excess dirt and dust that builds up over the years. Use a microfiber cloth when washing and wiping off any excess water from the records once they have been cleaned

NOTE:

Remember , the best cleaning in the world just removes all the dust and dirt. Some records will have scratches and groove wear. No amount of cleaning will fix this. So after cleaning, some records may sound "perfect" and others may not

COMPACT DISC CARE

- Handle the disc only by its edges. Never allow your fingers to come in contact with the shiny, unprinted side of the disc.
- Do not attach adhesive tape, stickers etc., to the disc label.
- Clean the disc periodically with soft, lint-free, dry cloth. Never use detergents or adhesive cleaners to clean the disc. If necessary, use a CD cleaning kit.
- If disc skips or gets stuck on a section of the disc, it is probably dirty or damaged (scratched).
- When cleaning the disc, wipe in straight lines from the center of the disc to the edge of the disc. Never wipe in circular motions.
- To remove a disc from its storage case, press down on the center of the case and lift the disc outs, holding it carefully by the edges.
- Fingerprints and dust should be carefully wiped off the disc's recorded surface with a soft cloth. Unlike conventional records. compact discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles.

CLEANING THE UNIT
- To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
- The finish on the unit may be cleaned with a dust cloth and cared for as other furniture, Use caution when cleaning and wiping the plastic parts.
- If the cabinet becomes dusty wipe it with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinet.
- If the front panel becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will damage the finish of your unit.

CAUTION: Never allow any water or other liquids to get inside the unit while cleaning.

TROUBLESHOOTING GUIDE

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

Symptom	Possible Cause	Solution
The Turntable does not respond (no power)	The unit is disconnected from the AC outlet.	Reconnect to the AC outlet.
	The AC outlet has no power.	Try the unit on ano ther outlet.
Unit is ON but there is low or no volume	Volume set too low.	Slowly rotate the MASTER VOLUME knob to increase the volume level.
FM no sound	Unit not in Radio mode.	Press the MODE button switch to select RADIO mode.

Bluetooth No Sound	Unit is not linked with your Bluetooth enabled device.	Go through "Bluetooth Operations" process to link the speakers.
	Unit placement out of range.	Relocate the unit within Bluetooth operating range (30 feet)
	Your Bluetooth enabled device volume set too low.	Increase volume level of your Bluetooth enabled device.
Noise or sound distorted on FM broadcast	Station not tuned properly.	Fine tune the FM broadcast station.
	FM telescopic antenna is not fully extended.	Fully extend the FM telescopic antenna.
Playback muffled or fuzzy	Dust accumulation on stylus	Clean record and stylus with suitable brush
Tone arm skidding over record	Stylus covered	Remove stylus protector
	Stylus damaged	Replace stylus (please note the stylus is not covered by warranty)
Turntable stopping before end of record	Auto-stop enabled	Slide the AUTO STOP SWITCH to OFF
Playback at incorrect speed	Incorrect speed selected	Select the correct speed according to the record
CD player will not play	Unit not in CD function mode.	Slide Function switch to CD.
	CD is installed incorrectly.	Insert CD with label side up.
	If the CD is self-compiled, the media used may not be compatible with the player.	Use better quality blank media and retest.
CD skips while playing	Disc is dirty or scratched.	Wipe CD with clean cloth or use another disc.
Intermittent sound from CD Player	Dirty or defective disc. Dirty pick up lens. Player is subject to excessive shock or vibration.	Clean or replace the defective disc. Use a CD-lens cleaning disc to clean the lens. Relocate the player away from shock or vibration.

Sound is distorted	Volume level is set too high.	Decrease the volume.
	Sound source is distorted.	Try a different sound source. If you are using an external sound source like older generation of iPod, try reducing the output volume on the device itself. Also try turning bass boost OFF or change the EQ setting.
Unit gets warm after extended play at high volume	This is normal.	Turn the unit off for a period of time or lower volume

SPECIFICATION

Power requirement:
Main Unit**:**   AC Adaptor: Input: AC 120V ~60Hz
                                                           Output: DC12V 2.0A

Frequency Range
Radio Band   FM 88 ~ 108 MHz

Speaker Impedance: ....   3" 8 ohm 8W max

SPECTRA®
green

At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling.
Please visit us at http://www.spectraintl.com/green.htm for more information on Spectra"s green initiatives or to find a recycler in your area.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Spectra Merchandising Intl, Inc. is under license. Other trademarks and trade names are those of their respective owners.

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 a 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 **$90.00** 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, IL 60634, USA.
1-800-777-5331

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

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