

Studebaker

30 WATTS RMS STEREO SYSTEM
WITH FULL SIZE MAGNETIC
CARTRIDGE TURNTABLE
CA082E OWNER'S MANUAL
Hi-Fi Turntable Music System



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

IMPORTANT: The turntable on this unit features a built in Anti-Shock system. The turntable is locked down when shipped from the factory. Turn the ANTI-SHOCK LOCK DOWN SCREW in a clockwise direction to release the turntable and activate the anti-shock feature before operating the turntable

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash and arrow head within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (ON BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

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 produce heat.
9. AC adapter 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 AC adapter should be disconnected from the mains socket outlet completely.
10. Only use attachments/accessories specified by the manufacturer.
11. 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.
12. Unplug this apparatus during lightning storms or when unused for a long periods of time.
13. 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.
14. 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.
15. Do not overload wall outlet. Use only power source as indicated.
16. Use replacement part as specified by the manufacturer.
17. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
18. 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.

19. 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.
20. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - If liquid has been spilled, or objects have fallen into the product,
 - If the product has been exposed to rain or water,
 - 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.
 - If the product has been dropped or damaged in any way, and
 - When the product exhibits a distinct change in performance - this indicates a need for service.
21. Excessive sound pressure from earphones and headphone can cause hearing loss
22. Minimum distances of 4 inches around the apparatus for sufficient ventilation.
23. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
24. No naked flame sources, such as lighted candles, should be placed on the apparatus.
25. The use of apparatus in moderate climates.
26. The Rating Plates are located at the bottom enclosure of the turntable and rear enclosure of the speaker units.

SAVE THESE INSTRUCTIONS

COMPLIANCE WITH FCC REGULATIONS

FCC ID: 2ANSACA-082E

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.

WARNING

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

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: CA082E

Serial Number: _____

PROTECT YOUR FURNITURE!!

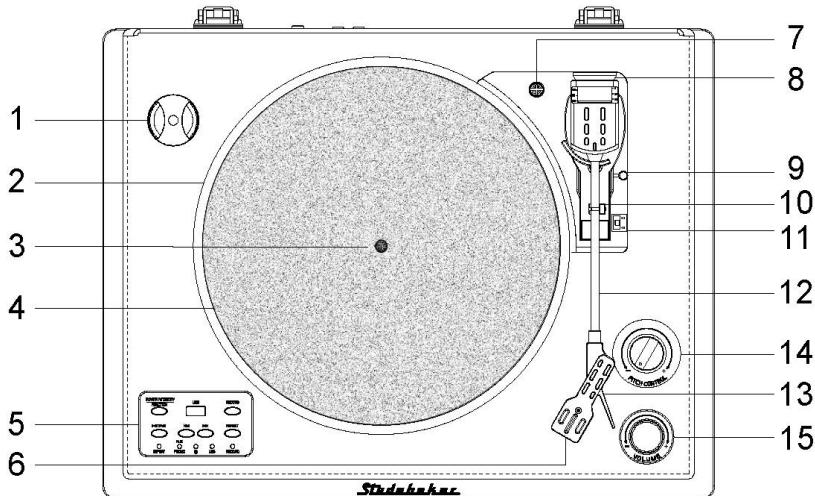
The Turntable and Speakers of this system are equipped with non-skid rubber "feet" to prevent the product from moving when you operate the controls. These "feet" are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber "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.

CONTENTS OF YOUR PRODUCT

Turntable unit	x 1 set
Detachable Dust Cover	x 1 pc
45 RPM Adapter	x 1 pc
Platter Felt Mat	x 1 pc
Left and Right 2-way Passive Speakers	x 1 pair
AC Adapter (DC15V 3A)	x 1 pc
User Manual	x 1 set
Quick Setup sheet	x 1pc

LOCATION OF CONTROLS

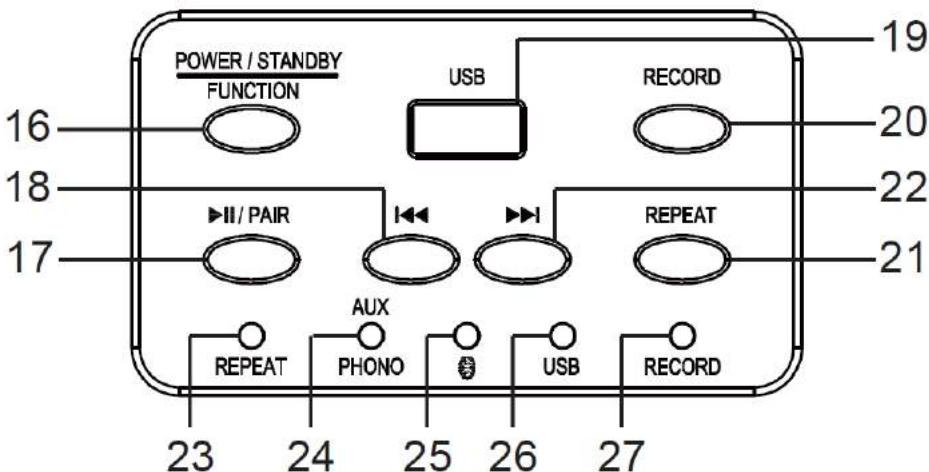
TURNTABLE UNIT (TOP VIEW)



	PART NAME	DESCRIPTIONS
1	45 RPM ADAPTER	Use this Adapter when playing vintage 45RPM records with a 1.5"(38mm) center opening.
2	PLATTER	This is the rotating part of the Turntable.
3	CENTER SPINDLE	The center hole of the vinyl record to be played should align with this SPINDLE
4	PLATTER FELT MAT	This is for covering the platter and on which the vinyl record is placed.
5	CONTROL PANEL	The major electronic controls and indicators can be found on this panel
6	CARTRIDGE	An Audio Technica AT3600LA Moving Magnet Cartridge (MMC) is pre-installed. Please remove the original protective plastic cover from the stylus before use and replace it after playing records for maximum protection.
7	ANTI-SHOCK LOCK DOWN SCREW	This Screw has been loosened in factory to lock down the Anti-shock mechanism of the Turntable to protect it from damage during transit. Please turn it in a clockwise direction until the screw is all the way down to reactivate the Anti-shock mechanism before first use. If the unit is not to be used for a long time, loosen the Screw until the Anti-shock mechanism of the Turntable is locked down again.

8	COUNTERWEIGHT	This rotary part is used to set the tracking force required by different cartridges. It should be kept at the 2.5g scale reading point for the included cartridge.
9	CUE LEVER	Use this to control the precise lead-in point of a chosen sound track on the record. Gently pull the Lever towards yourself to lower the stylus onto the record surface and push towards the rear end to raise the stylus above it.
10	TONEARM HOLDER	When not using the Phono function, the TONEARM should be returned onto this HOLDER and locked in place by the built-in locking clip.
11	SPEED SELECTOR	Use this Selector to choose between 33 and 45 RPM according to your vinyl record requirement.
12	TONEARM	This is metal tubing carrying the HEADSHELL and CARTRIDGE assembly.
13	HEADSHELL	This is the part on which the CARTRIDGE (MMC) is fixed to with a small screw.
14	PITCH CONTROL	Use this control to vary the pitch of the Phono audio output by means of changing the motor speed. The center click denotes the point of neutral pitch. Rotate to the right side of the center click to increase pitch and vice versa.
15	VOLUME CONTROL	Use this control to increase or decrease the volume of the output.

CONTROL PANEL



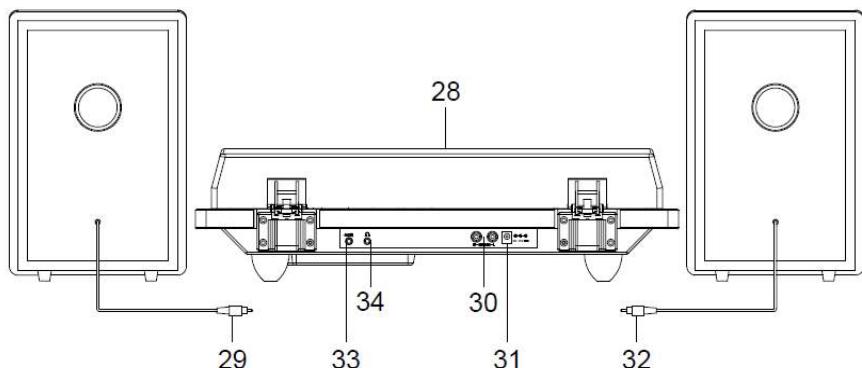
	PARTNAME	DESCRIPTIONS
16	POWER/STANDBY/ FUNCTION BUTTON	Press it once to turn ON the Turntable unit. Press it repeatedly to cycle through the PHONO/AUX, BLUETOOTH and USB functions. Corresponding LED indicators will light.
17	PLAY PAUSE/ PAIR BUTTON	In BT pairing mode, press it for fast pairing. In BT/USB modes, press it to control play and pause of the playing song.
18	SKIP BACKWARD BUTTON 	In BT/USB modes, press it to skip back to previous track.
19	USB PORT	This port accepts a standard USB flash drive (not included) up to 32GB capacity.
20	RECORD BUTTON	Press it to activate the Phono Record function.

21	REPEAT BUTTON	This function can only be used in the USB playback mode. Press it once to choose Repeat 1 playing mode to play the current song repeatedly. Press again to choose Repeat All playing mode to play
22	SKIP FORWARD BUTTON ►►I	In BT/USB modes, press it to skip forward to next track.
23	REPEAT INDICATOR	For Repeat 1 mode, the indicator will flash once per second. For Repeat All mode, the indicator will be solid on.
24	AUX/PHONO INDICATOR	The LED will light in red when the Phono/AUX function is activated.
25	BT INDICATOR	The LED will light in blue when the BT function is activated.
26	USB INDICATOR	The LED will light in red when the USB function is activated.
27	RECORD INDICATOR	The LED will light in red when the Phono Record function is activated.

TURNTABLE UNIT (REAR VIEW)

RIGHT SPEAKER

LEFT SPEAKER



PART NAME	DESCRIPTIONS
28 DETACHABLE DUST COVER	This cover should be installed before first use. It should be kept closed to keep out dust and foreign objects from falling onto the record surface and cartridge while the record is playing.
29 RIGHT SPEAKER CABLE	Connect this set of color-coded RCA cables to the corresponding color-coded LINE OUT JACKS on the rear panel.
30 LINE OUT JACKS	Connect the LINE OUT jacks with corresponding speakers correctly.
31 DC JACK	Connect the 3.5mm DC plug of the smaller AC ADAPTER (DC15V $\square\square\square$ 3A $\ominus\ominus\ominus$) securely into this JACK.
32 LEFT SPEAKER CABLE	Connect this set of color-coded RCA cables to the corresponding color-coded LINE OUT JACKS on the rear panel.
33 3.5MM AUX IN JACK	To connect your external MP3, CD player or iPod via audio cable (not included) for music playback through the speakers of this system.
34 3.5MM STEREO HEADPHONE JACK	To connect your stereo headphone for private listening.

IMPORTANT NOTES

Avoid installing the unit in locations described below:

- Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
- Places exposed to high levels of electromagnetic interference such as microwave ovens, fluorescent lamps or WiFi routers.
- Dusty, humid or moist places.
- Places subject to constant vibrations.

POWER SOURCE

This Unit is designed to only operate on AC adapters (included) that run on normal 120V~ 60Hz household power. Do not attempt to operate the unit using any other power source. You could cause damage to the unit and void your warranty.

GETTING STARTED

SETTING UP THE PHONO TURNTABLE

1. Install the DETACHABLE DUST COVER by aligning the hinges to the dedicated sockets on the Turntable unit and snap in fully.
2. Remove the cable tie securing the TONEARM.
3. Adjust the COUNTERWEIGHT at the far end of the TONEARM to the required tracking force of 2.5 grams if necessary.
4. Remove the original protective plastic cover from the STYLUS and keep it for replacement after playing records or before changing the CARTRIDGE in future.

CABLE CONNECTION

1. Plug the AC Adapter DC15V== 3A  into the DC Jack of the Turntable unit.
2. Connect RCA cable of speaker boxes with "SPEAKER OUT" jacks on the rear panel of the unit.

ANTI-SHOCK LOCK DOWN SCREW

The turntable on this unit features a built in Anti-Shock system. The turntable is locked down when shipped from the factory. Turn the ANTI-SHOCK LOCK DOWN SCREW in a clockwise direction to release the turntable and activate the anti-shock feature before operating the turntable.

PASSIVE SPEAKER OPERATION

1. Before turning ON the system, always remember to turn down the volume level using the VOLUME CONTROL to avoid possible damage to the speakers due to sudden bursts of high audio output.
2. As the Speaker System does not have a sleep mode, please turn it OFF manually after use by pressing the POWER/STANDBY button to conserve electrical energy.

TURNTABLE UNIT OPERATION

1. Press POWER STANDBY/FUNCTION BUTTON once to switch ON the Turntable unit.
2. Press the POWER STANDBY/FUNCTION BUTTON again to select PHONO AUX /  BLUETOOTH/USB function. Corresponding indicator will light.
3. As the Turntable unit does not have a sleep mode, please turn it OFF manually after use by pressing the POWER/STANDBY to conserve electrical energy. All function indicators will turn OFF.

PLAYING VINYL RECORDS

1. Open the Dust Cover.
2. Remove the original plastic stylus protector from the STYLUS and release the Locking Clip of the TONEARM HOLDER to free the TONEARM.
3. Choose "PHONO" function by pressing the FUNCTION BUTTON on the Turntable front panel.
4. Place a record on the PLATTER over the CENTER SPINDLE.
5. Set the SPEED SELECTOR to 33 or 45 rpm according to the record requirement.
6. Place the included 45 RPM ADAPTER over the CENTER SPINDLE when playing vintage 45 RPM records.
7. 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.
8. Adjust the audio output level using the VOLUME CONTROL to obtain a comfortable listening level.
9. Thanks to the auto return feature, the Turntable will automatically stop and return to the TONEARM HOLDER when the last track of the record has finished playing.
10. To stop the record before it ends, lift the TONEARM using the CUE LEVER and return it carefully to the home position and use the CUE LEVER to lower the TONEARM onto the TONEARM HOLDER.
11. Replace the original protective plastic cover onto the STYLUS when not in use.

Important Notes:

- Do not turn the PLATTER manually or in a counterclockwise direction to avoid damage.
- Moving or jarring the Turntable without securing the Locking Clip of the TONEARM HOLDER could result in damage to the TONEARM.
- The highly sensitive cartridge used on this product is vulnerable to excessive external vibrations so the maximum volume output of the phono mode has been specifically suppressed to be lower than that of the Bluetooth and USB modes. This is a normal operation for a unit with magnetic cartridge turntable

PITCH CONTROL

The PITCH CONTROL allows you to vary the pitch of the phono audio output by means of changing the motor speed of the record once the correct speed (33/45 RPM) is chosen. The center click denotes the point of neutral pitch. Rotate to the right side of the center click to increase the pitch and to the left side of the center click to decrease the pitch.

ENCODING RECORD TRACKS IN TO MP3 FILES

You can convert your favorite vinyl record sound tracks into MP3 files which are saved on a USB Flash Drive via the USB PORT located on the front panel.

1. Press the FUNCTION BUTTON to select "PHONO" function and the PHONO INDICATOR will light steadily.
2. Set up the vinyl record track that you want to record using the CUE LEVER to position it at the starting point and suspend playing.
3. Press RECORD BUTTON to set up the MP3 encoding process in 1 to 2 seconds. When the RECORD INDICATOR lights, the system is ready to start MP3 encoding.
4. Start playing the selected song you want to record by lowering the CUE LEVER.
5. When the end of the current song is reached, press the RECORD BUTTON to stop encoding and the RECORD INDICATOR will turn OFF. The corresponding MP3 file will be saved in a new folder named "audio" in the USB flash drive.
6. To encode more sound tracks, please repeat steps #2 thru #5 above, otherwise all songs on the vinyl record will be encoded into one single MP3 file. Advanced auto track separation feature is not supported.

Note:

The flash drive (not included) must be formatted in FAT32 file system and the maximum supported capacity is 32GB. High speed flash drives are recommended for smooth encoding.

PLAYING SONGS ON A USB FLASH DRIVE

1. Insert your USB Flash Drive with MP3 songs into the USB PORT located on the front panel.
2. Press FUNCTION BUTTON to select "USB" function. The USB INDICATOR will light and then it will start playing automatically in about 1 to 5 seconds.
3. Press PLAY/PAUSE▶||BUTTON to control play/pause.
4. Press SKIP FORWARD ►►| BUTTON to skip to next song and SKIP BACKWARD |◀ BUTTON to skip to previous song.
5. Press REPEAT BUTTON once to repeat the current song (Repeat 1). The REPEAT INDICATOR will flash.
6. Press REPEAT BUTTON again to repeat all tracks (Repeat All). The REPEAT INDICATOR will now solid on.
7. Press REPEAT BUTTON again to cancel repeat mode. The REPEAT INDICATOR will now turn off.

Notes:

- MP3 files located in the root directory of the USB flash drive will play first.
- If repeat mode is OFF, the unit will stop playing at the end of the last song in the playlist.
- Do not remove the USB Flash Drive while playing to avoid damage.

PLAYING SONGS FROM A BLUETOOTH DEVICE

PAIRING A SMARTPHONE OR BLUETOOTH ENABLED DEVICE

1. Press the FUNCTION BUTTON to select the "BLUETOOTH"  function.
2. The CA082E unit will start searching for a previously paired device that is active and in range. If no active device is found within 15 seconds, the Speakers will emit a low level alert beep tone.
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 "CBT" in the list of discoverable Bluetooth devices.
4. Select the "SB6088" from your active device list when it appears on its screen.
5. Press PAIR BUTTON on the front panel if auto pairing does not happen. After successfully pairing and connecting your device with CA082E, you can now play music from your Bluetooth enabled device wirelessly to the CA082E.
6. Rotate the VOLUME CONTROL on the panel to increase the listening volume gradually until a comfortable listening level is reached.
7. Press PLAY/PAUSE  BUTTON to control play/pause.
8. Press SKIP FORWARD  BUTTON to skip to next song and SKIP BACKWARD  BUTTON to skip to previous song.

Notes:

- If you want to connect the CA082E to another new external Bluetooth enabled device while paired with another device, you need to turn off the Bluetooth function of the paired external device first before repeating steps #3 to #5 above to make a new link.
- If you need to switch between different paired devices that are all in range and with Bluetooth functions enabled, the Bluetooth function of the current connected device must be turned off first to release the CA082E system for an alternative Bluetooth connection.
- Refer to manual of your smart phone 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 CA082E system even after it is paired and connected successfully.
- If you are pairing and connecting your personal computer to the CA082E using Bluetooth, you may need to set the CA082E as your computer's default sound device.

RE-LINKING TO A SMARTPHONE OR BLUETOOTH ENABLED DEVICE

Even if your smart phone or Bluetooth device is already paired with the SB6088 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 Turntable unit will emit a low level alert beep tone. You can re-link them and resume play by:

1. Select "CBT" from the device list on your smart phone or Bluetooth device. The CA082E 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.

ENCODING BLUETOOTH TO MP3

You can convert your favorite music tracks in your Bluetooth device into MP3 files which are saved on a USB Flash Drive via the USB PORT located on the front panel.

1. Select the song you want to encode to MP3 file on your Bluetooth device and pause it at the starting point.

2. Press RECORD BUTTON to set up the MP3 encoding process. When the RECORD INDICATOR lights, the system is ready to start MP3 encoding.
3. Play the selected song at maximum undistorted volume in order to keep the encoded song loud and clear.
4. When the end of the current song is reached, press the RECORD BUTTON to stop encoding and the RECORD INDICATOR will turn OFF. The corresponding MP3 file will be saved in a new folder named "audio" in the USB flash drive.
5. To encode more sound tracks, please repeat steps #1 thru #4 above, otherwise all songs on the Bluetooth device playlist that have been played will be encoded into one single MP3 file. Advanced auto track separation feature is not supported.

Note:

The flash drive (not included) must be formatted in FAT32 file system and the maximum supported capacity is 32GB. High speed flash drives are recommended for smooth encoding.

USING HEADPHONES (NOT INCLUDED)

The stereo headphone jack is located on the rear panel. Plug a set of stereo headphones (not included) into this jack for private listening without disturbing others. The speakers are automatically disconnected when headphones are connected to the jack.

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 the 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.

AUXILIARY INPUT

This unit provides an auxiliary audio signal input jack for connecting external audio devices like MP3 players, CD players and older, non-dockable iPods (except iPod shuffle 3rd gen) so you can listen to your external source through the speakers of this system.

1. Tap the FUNCTION button to select Phono mode, Phone/AUX indicator lights. Set the Tonearm to its rest position, unit switches to AUX mode.
2. Use an audio cable (not included) with one 3.5 mm stereo plug on each end of the cable.
3. Plug one end into the Aux-in jack on the rear panel of main unit and the other end of the cable into the Line-out Jack or Headphone Jack of your external audio device.
4. Turn on the external audio device.
5. The volume level can now be controlled through the main unit. Operate all other functions on the auxiliary device as usual.

Notes:

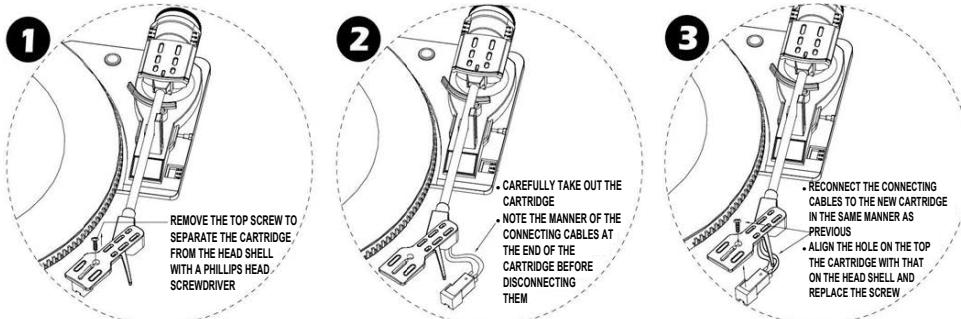
- (1) If the Line Out Jack of your external device is connected, then you only need to adjust the volume control of this system. If the Headphone Jack of your external device is connected, then you may need to adjust both the volume control of your external device and the volume control of this system to find the most desirable volume setting.
- (2) Press and hold the POWER /STANDBY button to turn off the system when you finish listening. Don't forget to switch off the power on your external device as well.

CARTRIDGE AND STYLUS REPLACEMENT (FOR EXPERIENCED USERS ONLY!)

As the stylus gradually wears after playing a considerable period of time, the sound quality will deteriorate and it is time to replace the STYLUS. In addition, if the CARTRIDGE is damaged by accident, it can also be readily replaced by following the instructions below:

CARTRIDGE REPLACEMENT

Before proceeding, please replace the original protective plastic cover onto the STYLUS.



STYLUS REPLACEMENT

To remove the old stylus (needle), hold the cartridge in one hand, grasp the plastic stylus housing with thumb and forefinger, and pull away from the cartridge. The stylus assembly comes away at a slight angle, as indicated by the arrow in the diagram. To install the replacement stylus, insert the new stylus assembly into the cartridge at a slight angle, so the hook at the end of the stylus fits into the slot in the cartridge body. The stylus assembly should click into place when fully seated in the cartridge. The stylus must be fully seated in the body for proper operation. Spare stylus, type ATN3600 (not included), can be purchased separately at leading HiFi equipment stores and online.



Notes:

- Put the original protective plastic cover back onto the STYLUS to avoid accidental damage to the STYLUS TIP while replacing the CARTRIDGE.
- Replace only with the specified type of stylus.
- Spare stylus or cartridge is not included with your product.

CARE AND MAINTENANCE

- To prevent fire or shock hazard, disconnect your unit from the AC Adapters when cleaning.
- The glossy finish on the Turntable unit and Speaker boxes may only be cleaned with a high quality microfiber lens cleaning cloth (not included) and cared for as other expensive furniture. Use extra caution when cleaning and wiping the glossy finished parts. Never use any wax or polish sprays on these parts to avoid causing permanent damage.
- If you intend to move the Turntable unit and/or the Speaker boxes to a new location, always try to wear a pair of soft cotton gloves (not included) first. Always grip the Turntable unit by its side panels and the Speaker box by its bass reflex opening and its base.
- Always disconnect all the attached cables from the Turntable and Speaker units before relocating them.

⚠ Caution: Never allow any water or other liquids to get inside the units while cleaning.

RECORD CARE AND MAINTENANCE

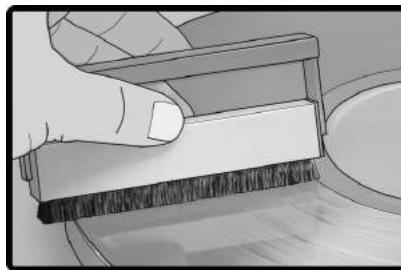
To ensure the best sound and the least amount of wear on your records, it is essential that they are kept clean. Make sure your records, especially older ones are sufficiently cleaned prior to playing them.

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.



- 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 record 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.

TROUBLESHOOTING GUIDE

Should you experience difficulties in the use of this turntable system please refer to the following chart or call 1-800-777-5331 for Customer Service.

SYMPTOM	POSSIBLE PROBLEMS	SUGGESTED SOLUTIONS
The Turntable does not respond and there is no PHONO AUX/BT/USB indicator light.	AC Adapter is not plugged into a wall outlet properly	Plug the AC Adapter into a working AC wall outlet securely.
	Wall outlet is not functioning.	Plug another device into the same outlet to confirm the outlet is working.
No sound from the Speakers	The VOLUME CONTROL is turned fully counterclockwise (minimum position).	Turn the VOLUME CONTROL clockwise slowly to increase the volume.
The sound output is abnormal (sounds unnatural or weak bass output)	Volume level is too high.	Turn volume down until sound quality returns to normal.
Sound is distorted	Sound source is distorted.	Low bitrate MP3 audio files are of relatively low quality and may sound worse on a quality
Cannot pair with a new Bluetooth enabled device	An active paired Bluetooth device is already connected to SB6088 system.	You need to turn off the Bluetooth function of the currently connected external Bluetooth device so as to release the SB6088 system for a new pairing and connection.

SPECIFICATIONS

TURNTABLE SECTION

Cartridge	Audio Technica AT3600LA (Moving Magnet type)
Replacement Stylus	ATN3600
Turntable Speed	2 speeds: 33 and 45 RPM
Pitch Control	Approx. +/-8% (with center click)
Input Modes	Phono / Bluetooth / USB/AUX IN
Bluetooth Version	Bluetooth v2.1+EDR
AC Adapter :	Input: AC 120V~ 60Hz Output: DC15V == 3A 

PASSIVE SPEAKER SECTION

Audio Output Power	15W rms x 2 @THD10% at 1kHz per channel
Speaker Output Impedance	6Ω
Tweeter	8Ω 10W max, Ø1"
Woofer	6Ω 25W max, Ø4"

USB FLASH DRIVE REQUIREMENT

32GB max. (in FAT32 file format)

MP3 ENCODING PARAMETERS

44.1kHz sampling frequency / 128kbps constant bitrate

FCC Caution:

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.

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

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.