

THE SCOTT STEREO COMPACT



 **SCOTT**[®]

H. H. Scott, Inc., 111 Powdermill Road, Maynard, Mass.

INSTRUCTIONS FOR THE SCOTT STEREO COMPACT

Space age techniques that fill tiny satellites with complex electronic circuitry, now have been directed to your living room. Here, in three handsome little cabinets, is an advanced "solid state" music reproducing system of superior capability. Limited space no longer prevents you from enjoying fine stereo. The SCOTT STEREO COMPACT is ideal for the small city apartment, summer cottage, game room, patio, dorm room - almost anywhere in fact.

SPECIAL FEATURES OF YOUR NEW SCOTT STEREO COMPACT

Scott engineering has devised a completely integrated music system built around a compact, but powerful, transistor amplifier. Matched to this amplifier are two complementary sets of low resonance speaker systems. Each speaker system includes not only a separate woofer and tweeter but a Scott crossover network, as well. The resulting sound is of a quality you would ordinarily expect only from larger and much more expensive music systems.

A professional record changer, with high-compliance magnetic pickup cartridge and long-life diamond stylus will play your records with the precision of fine component music systems. A Scott solid state FM stereo tuner can be obtained installed in your STEREO COMPACT or it may be added later, providing you an easy to use radio-phono music system. Also a tape recorder may be played through the STEREO COMPACT. Moreover you can listen in private with stereo headphones. All this performance - all this flexibility in a small package is yours with the STEREO COMPACT by Scott.

THE PLEXIGLAS COVER

A handsome smoky gray plexiglas cover is provided to protect records and the automatic record player against dust. This design provides maximum flexibility, whether the STEREO COMPACT is used on a table or in a bookshelf. The cover can be used as a hinged lid by lifting up from the front, pivoting at the rear supports, and then sliding it downward to rest vertically at the rear of the record player compartment. If the STEREO COMPACT is installed in a bookshelf where there is little "head room", the cover is just as easily removed by lifting and sliding forward. If preferred, the cover may be removed completely while records are being played. And, of course, this feature makes it easy to clean (instructions are in the Appendix).

You will find it advisable to keep the cover in place when the Compact is not in use. This will help you to keep the record player compartment clean and it also tends to prevent tampering by the uninitiated.

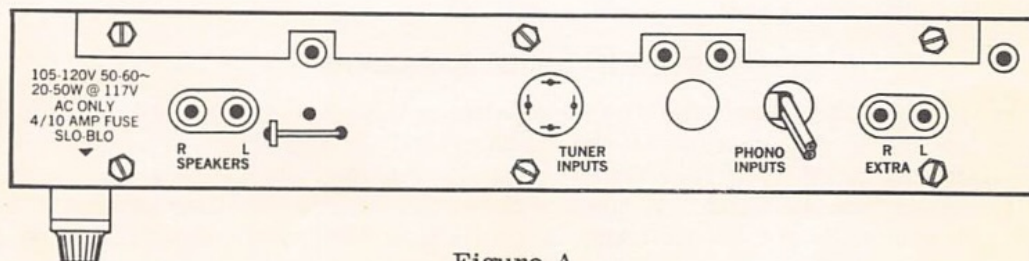


Figure A

CONNECTING THE SPEAKERS

Two speaker cables equipped with connector plugs are packed in the bottom of the Compact. Connection to the Compact amplifier is by means of two jacks labelled "Speakers" (see Figure A). For access to these jacks, tilt the Compact cabinet upward on its left side, preferably using a towel or a soft cloth underneath to avoid damaging the cabinet. While holding it firmly in this position, plug one end of a speaker cable into the jack marked "R" and extend the cable to the right of the cabinet. Connect the other speaker cable to the jack marked "L" and extend the cable to the left of the cabinet. After lowering the cabinet to its normal playing position, connect the speaker cables to their respective speaker cabinets by inserting the cable plugs into the jacks at the backs of the cabinets.

Note: Stereo Compact should be turned off when connecting or disconnecting speakers. Never operate Compact with speakers disconnected.

THE "EXTRA" INPUT JACKS

A pair of input jacks is provided on the amplifier chassis (Figure A) to permit the STEREO COMPACT to be used for the reproduction of tape, TV sound, and AM or short-wave radio. For particular applications, your dealer will be happy to assist you in the use of these inputs.

If you have a tape recorder or playback unit (with playback preamplifiers) with provisions for use with an external music system, its output cables can simply be plugged into the EXTRA inputs. Stereo units have two cables, which are to be plugged into the "L" and "R" EXTRA input jacks. Monophonic tape units have only one cable which can be plugged into either of the EXTRA inputs as desired.

RECORD PLAYER

During shipment, the automatic record player in the Compact is firmly fastened down by transit screws to prevent damage. These screws are located near the sides of the record player base plate. To free the record player for normal use, turn the transit screws clockwise as far as they will go. Do not attempt to force them past the stops. Remove the rubber pads under the record player base plate and the corrugated paper under the turntable. Untie the strap fastening the record player tone arm to its rest.

The automatic record player should now float freely on its flexible mounting.

Before using the record player, unlatch the arm rest lock holding the tone arm in place. Use the arm rest lock when tilting or moving the Compact cabinet. Make sure the center spindle is pressed in firmly before playing records.

Simple instructions for operating the record changer are on the paper disc found on the turntable itself.

PLACING THE SPEAKERS

For the best stereo effect, the distance between the speakers should be approximately two-thirds of the distance between the listener and the speakers. For example, if your favorite listening point is 9 feet from the speakers, they should be about six feet apart. The distance is not critical. If the speakers are closer together, some of the spatial effect of stereo will not be realized, but full high fidelity sound will still be obtained.

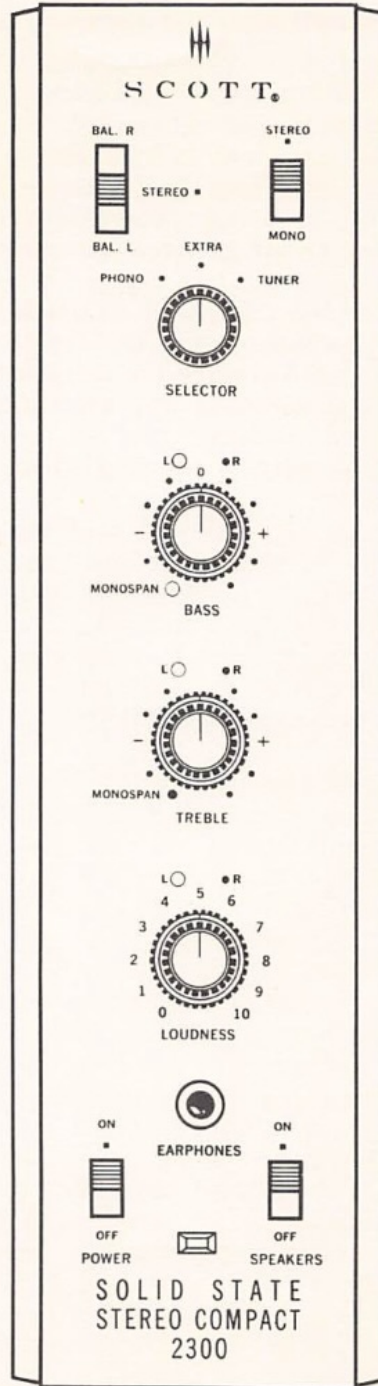
For greater spacing, it is advisable to angle the speakers in somewhat toward the listener. Excessive spacing may create a "hole in the middle".

Best bass response is obtained with the speakers on the floor adjacent to a wall or in corners of the room. A position on a shelf adjacent to a wall is somewhat less favorable, while least bass will be obtained with the speakers on a pedestal or a table some distance from a wall. However, the inherent bass response of the speakers is so good that a great deal of flexibility is lent to speaker placement which consequently need not conflict with decorative requirements. If necessary, the bass control on the Compact can be advanced to make up for any loss of bass due to speaker placement. Because the speakers are small and light, you may find it convenient to place them in an ideal listening position when operating the Compact and store them in some other location when not using the unit. In any case, do not be afraid to experiment until the most satisfactory arrangement is found.

The speaker systems of the STEREO COMPACT use separate, low resonance, "woofers" for the bass and "tweeters" for the treble. The tonal balance between bass and treble has been adjusted at the factory for satisfactory performance in most rooms. The balance control can be adjusted by the user if circumstances require it, such as rooms with a great many hard surfaces that tend to exaggerate the treble, and rooms with a great deal of sound-absorbing material that may reduce the brilliance of reproduction.

A small protective plug on the back of each speaker system covers an opening in which there is a slotted shaft. To change the speaker tonal balance, remove the plug and use a screwdriver to turn the control clockwise to obtain more treble and counter-clockwise to reduce treble. It is advisable to listen to a variety of program material when adjusting the balance. After adjustment is completed, replace the protective plug. The bass and treble controls are available for any further adjustments that may be necessary to allow for variations in the program material itself.

OPERATING YOUR STEREO COMPACT



(Figure B)

The controls of the Compact combine great flexibility of operation with simplicity and ease of use. The basic operating controls are the ON-OFF Switch, the SELECTOR Switch, and the LOUDNESS Control. The SELECTOR Switch permits you to choose the program source, such as phonograph or tuner. The LOUDNESS Control is used to adjust the loudness of the sound to suit your taste. (See Figure B)

POWER, ON-OFF, AUTOMATIC

The STEREO COMPACT is turned on and off by means of a separate slide switch. This feature permits you to leave the LOUDNESS Control at the desired setting when turning the unit off. The solid state amplifier of the Compact requires no warm-up time; consequently the unit is ready for use immediately upon being turned on. (There will be a small pulse audible on turn-on. This is normal.)

Scott has designed an automatic shut-off feature for your added convenience. Through this means, the STEREO COMPACT turns itself off completely after the last record has been played by the automatic record player. To use the automatic feature, leave the ON-OFF Switch in the "Off" position; when you start the record player, the COMPACT will turn on by itself. At the completion of the last record, it will automatically turn itself off.

With the ON-OFF Switch in the "On" position, the changer will shut itself off after the last record, but the COMPACT will remain on.

LOUDNESS CONTROL

The two concentric knobs of the LOUDNESS Control are designed to turn together, being normally held together by friction. In addition, the left and right channel volume levels can be controlled independently as outlined below.

OBTAINING STEREO BALANCE

For correct stereo reproduction, the sound from the two speaker systems must be of equal loudness. While the components in the STEREO COMPACT are accurately matched at the factory, the sound from the two channels may differ somewhat because of room acoustics and variations in the program material. Balancing is easily accomplished by means of the concentric LOUDNESS Control and the Scott patented stereo balancing system.

The two knobs of the LOUDNESS Control can be turned independently of each other. The most convenient way to do this is to hold one of the knobs stationary with one hand while turning the other knob with the other hand. The large knob, next to the panel, controls the left channel as indicated on the panel by means of the circle marked "L". The smaller knob controls the right channel as indicated by the dot on the panel marked "R".

With music playing at full room volume, slide the balance switch to the Bal-L position. Listen to the sound for a moment and then slide the switch to the Bal-R position and listen for a change in loudness. If there is a difference in loudness, use the independent adjustments of the LOUDNESS Control to correct for this. If the right channel is louder than the left, turn the "R" section of the LOUDNESS Control counter-clockwise, switching back and forth between Bal-L and Bal-R until the two channels are balanced. If the left channel is louder, use the "L" section of the LOUDNESS Control instead.

OPERATING THE FM RADIO TUNER

A solid state Scott FM radio tuner is either installed in your STEREO COMPACT or can be added any time you wish. Instructions for installing the tuner are provided with the unit. By adding a radio-tuner, you can convert your STEREO COMPACT into a full radio-phonograph, able to receive in stereo or mono all the fine music now available over the airwaves. The add-on feature is unique with the SCOTT STEREO COMPACT and is another example of Scott's advanced design --- design that prevents obsolescence, and permits systematic additions to your music system.

To listen to the radio tuner, turn the SELECTOR Switch to the TUNER position. All other controls on the COMPACT are operative with the tuner just as with records.

The tuning knob on the tuner permits you to select any of the fine music stations available in your listening area. The high sensitivity and low distortion insures that you will be able to listen to many weak, distant stations. If you live in an extreme fringe area, far removed from any nearby FM stations, you can connect an outdoor FM antenna. Details are provided in a special insert included with the tuner.

TUNING IN AN FM STATION

The precision tuning meter shows the strength of the incoming signal. Turn the tuning dial slowly and stop when the pointer has reached its maximum movement to the right. The meter reading will vary from station to station, depending on the amount of signal present from the transmitter. The reading may even vary from day to day on the same station due to atmospheric conditions. Just tune to the point where the meter reads highest, and you will be set for the best reception.

Occasionally you will note that the meter may swing violently back and forth. This indicates that an airplane is passing nearby. The swinging will stop once the plane has gone.

LISTENING TO AN FM STEREO BROADCAST

The development of FM stereo broadcasting is a significant achievement in home entertainment. Your Scott stereo tuner will provide the maximum in listening pleasure when used to receive one of these remarkable broadcasts. First, you locate a stereo program. This can be done by referring to your newspaper or to the FM station's program booklet. A much easier way is to use the convenient built-in stereo indicator described below.

SCOTT AUTO-SENSOR CIRCUIT

The Scott Auto-Sensor switches your tuner to stereo operation automatically when you are tuned to a station broadcasting in stereo. If the station returns to monophonic operation, the tuner will automatically switch back. You never have to reset any controls.

To listen to a stereo broadcast with the Auto-Sensor circuit, turn the SELECTOR Switch to "FM". Tune across the dial slowly. When you locate a stereo signal, the stereo indicator light on the front panel will go on and the tuner will simultaneously switch to stereo operation. Make sure the STEREO-MONO switch is in the Stereo position.

LISTENING TO REGULAR FM MONOPHONIC BROADCASTS

The Auto-Sensor circuitry will switch the tuner to receive monophonic programs if no stereo signal is present. It is not necessary to set the STEREO-MONO Switch for "Mono". Simply leave the switch in the "Stereo" position, unless you want monophonic reception at all times. You do not have to vary any control settings. Even though the program is monophonic, you will still hear sounds from both speakers without further adjustments.

TAPE RECORDING WITH THE SCOTT STEREO COMPACT

Excellent tapes can be made with the SCOTT STEREO COMPACT using either the automatic turntable or the FM MPX tuner. All that is needed is a tape recorder containing record and playback electronics, along with the necessary input and output cables.

The output from the SCOTT STEREO COMPACT to the tape recorder is taken from the "TAPE/EARPHONE" jack on the front panel of the amplifier.

It is suggested that the tone control on the SCOTT STEREO COMPACT be set at "-1." The level controls on the tape recorder should be adjusted for proper recording level.

If decided, some experimenting can be done to establish the best control settings for your particular tape recorder. Since the "TAPE/EARPHONE" output on the front panel of the amplifier is controlled by both the loudness and bass and treble controls, a wide range of control settings are possible. The loudness control may be adjusted higher or lower to compensate for different tape recorders. The treble control can be used to reduce record scratch when making tape recordings. It should be remembered, however, that once the tape recording has been made, it is not possible to change recorded characteristics except by re-recording the entire tape.

Once the settings for the controls on the SCOTT STEREO COMPACT Amplifier have been established, they can be marked on the Compact panel by using pressure sensitive tape. The tone and loudness controls should not be re-adjusted while making a recording, and whenever making another recording, the controls should be set to their original position.

If you wish to record an FM program or a record without disturbing others in the house, the "speaker switch" may be turned to the "off" position without affecting the tape recorder.

To play back the recorded tape, switch the STEREO COMPACT Selector to the "TAPE/EXTRA" position. The connections from the tape recorder to the STEREO COMPACT Amplifier have been previously described under the paragraph titled, "The Extra Input Jacks."

To make a recording with a monaural tape recorder, set the "mono-stereo" switch on the Compact Amplifier to the "mono" position.

APPENDIX

CLEANING AND MAINTENANCE OF PLEXIGLAS COVER

Cleaning: To clean Plexiglas, wash with plenty of non-abrasive soap or detergent and water using the bare hand to feel and dislodge any caked dirt or mud. A soft grit-free cloth, sponge or chamois may be used but only as a means of carrying water to the plastic. Dry with a clean damp chamois. Hard, rough cloths will scratch Plexiglas and should not be used.

Where water cannot be used freely, Plexiglas should be first dusted very lightly (not wiped) with a soft, clean cloth or feather duster. Then the surface can be wiped carefully with a soft, wet cloth or chamois. The cloth or chamois should be kept free of grit by rinsing it often in clean water.

Grease and oil may be removed with hexane, kerosene, white (not aviation or ethyl) gasoline, aliphatic naphtha (no aromatic content), or isopropyl alcohol.

Do not use solvents such as acetone, benzene, carbon tetrachloride, fire extinguisher fluid and lacquer thinners, since they attack the Plexiglas surface. Do not use window sprays or kitchen scouring compounds.

Scratch Removal: Minor surface scratches can be filled with paste wax to improve the appearance of the part. Hard automobile paste wax should be applied in a light even film to clean surfaces with a soft cotton flannel cloth. It should then be brought to a high luster by polishing with a clean dry cotton flannel cloth. Do not use cheesecloth, muslin or shop cloths, as these may scratch.

Deeper, but still light, scratches may be polished out using the Hand Polishing Kit and method described above. Do not attempt to remove heavy scratches or to sand and resurface large areas unless power buffing equipment is available.

Anti-Static Coatings: For Plexiglas parts used indoors, anti-static coatings successfully prevent the accumulation of an electrostatic charge for periods of several months, if the surface is not washed or wiped with a wet cloth. Between applications of the anti-static coating, the parts need only be dusted with a soft, clean cloth to maintain a good appearance.