

TEECO

MODEL 1220 STEREO-MONIC AMPLIFIER

INSTRUCTION MANUAL

BE SURE TO KEEP THIS INSTRUCTION BOOKLET AVAILABLE FOR READY REFERENCE

GENERAL DESCRIPTION

Model 1220 is a High Fidelity Stereo Amplifier complete with dual stereo pre-amplifiers and two separate 10 watt power amplifiers, and can be used with a magnetic cartridge, a tape head, ceramic or crystal cartridge, AM-FM tuners, or other auxiliary equipment of a similar nature. The unit has been designed to operate from two separate signal input sources, or if desired, can be used as a 20 watt monophonic amplifier by using only one input and having the output fed to both speakers. The amplifier also has provision for a "STEREO-MONIC" center speaker, for blending the Stereo source to a single speaker, or can be used to control a Monaural Speaker in another room.

Friction clutch BALANCE-LOUDNESS control knob permits the adjustment of each channel separately, and once adjusted, the control locks automatically for gang operation. Separate power On-Off switch permits the amplifier to be turned on without upsetting previous settings of any of the controls.

The unit has a FUNCTION SELECTOR switch with a choice of tape or phono input, phono input with rumble filter, radio tuner, or other auxiliary equipment of a similar nature.

UNPACKING:

The unit is to be removed carefully from the carton and inspected for any possible damage in transit. If there is any evidence of any damage which might have occurred in shipment, notify your dealer at once, or the transportation company which delivered it. Claims for damage sustained in transit must be made upon the Carrier. Save all packing material for inspection by the claim agent who will furnish you with the proper forms and will also, give you the necessary instructions for filing a claim. In addition to the Unit, there should be included in the carton the following:

1. INSTRUCTION BOOKLET
2. WARRANTY CARD

To insure proper servicing and to protect your rights under the warranty, be sure to fill in the warranty registration card without delay and mail to the factory.

WARRANTY

Your Teeco unit has been very carefully inspected and tested at the factory and normally should require no service other than a semi-annual check of the tubes. Each unit is warranted to be free from defects in material and workmanship under normal use and service for a period of 90 days from date of delivery to the original purchaser. If any unit appears to be defective, the factory will repair any unit returned within said 90 days, providing all transportation charges are pre-paid, and which our examination shall disclose to our satisfaction to be defective.

This Warranty does not include free labor, nor is it applicable to any unit which shall have been subject to accident, tampered with, mis-used, abused, or altered in any manner whatsoever. Further, this Warranty shall not apply to any unit which has been connected improperly.

It is recommended that any unit on which service is required, be processed through your dealer wherever possible.

This Warranty is expressly in lieu of all other Warranties, expressed or implied, and of all other obligations or liabilities on our part. We neither assume nor authorize any other person to assume for us any other liability in connection with the products manufactured by Trutone Electronics, Inc.

TRUTONE ELECTRONICS, INC.

INSTALLATION

Because of its attractive appearance, Model 1220 Stereo Amplifier may be placed on a table or a book shelf. Altho the unit has ample vents for normal ventilation, sufficient space should be allowed around it to permit free air flow.

Do not put books or other objects on top of the Amplifier as this would reduce the ventilation and result in reducing the life of the components and tubes.

If installed in a cabinet, the cover is to be removed, and ample ventilation must be allowed around the unit.

Plug the AC line cord in any outlet furnishing 105 to 120 volt, 60 cycle AC.

Two AC receptacles are located on the rear of the chassis to supply power to other components such as tuner or phonograph motor. The auxiliary equipment connected into the AC Receptacle is controlled by the On and Off switch so that turning off the amplifier, turns off all equipment.

CONNECTIONS

All connections are made on the rear panel of the Amplifier.

SPEAKERS: Two speakers are to be used for stereo operation. Connections on the rear of the unit permit the use of either a 4, 8, or 16 ohm voice coil impedance. Any ordinary insulated wire, such as parallel lamp cord, is suitable for hooking up the speakers to the amplifier. Connect one lead from each speaker to the terminal marked "O" on the Terminal Strip and the other end of the speaker lead to the terminal that is closest to matching the impedance of the speaker that is being used. Connect one speaker to CH. 1 and the other to CH. 2.

The use of the center speaker is optional; however, if used, it should have an 8 ohm impedance and is to be connected to the 2-screw terminal board on the back panel.

DO NOT TURN ON THE AMPLIFIER UNTIL THE SPEAKERS FOR CHANNEL 1 AND CHANNEL 2 HAVE BEEN CONNECTED TO THE TERMINAL STRIPS, AS POSSIBLE DAMAGE TO THE EQUIPMENT MAY OCCUR. THERE WILL BE NO DAMAGE IF THE THIRD OR CENTER SPEAKER IS NOT USED.

For connecting record players, tuners, tape recorders, or other auxiliary equipment, use shielded patch cord leads with a phono plug properly connected.

PHONOGRAPH MAGNETIC CARTRIDGE (Low Level): Connect the two leads from the cartridge to the jacks marked MAG-PHONO-CH.1 and CH.2.

PHONOGRAPH CERAMIC OR CRYSTAL CARTRIDGE: Connect the two leads from the cartridge to the jacks marked CER-PHONO-CH.1 and CH.2.

TUNER: Connect the output of the FM Tuner to the jack marked TUNER-CH.1 and the AM Tuner to the jack marked TUNER-CH.2.

TAPE PLAYER: When using a low level magnetic tape head, plug the output leads into the two jacks marked TAPE-CH.1 and CH.2. This permits the playback head to operate through a built in equalized pre-amplifier.

With a tape playback unit that has a built in pre-amplifier, connect the two leads to the jacks marked AUX-CH.1 and CH.2.

TAPE RECORDER: Model 1220 Stereo Amplifier can be used for both listening to stereo recordings from a phonograph or radio and at the same time can record the program on tape by connecting the tape recording heads to the jacks marked TAPE OUT - CH. 1 and CH. 2.

OPERATION OF MODEL 1220 STEREO-MONIC AMPLIFIER

FUNCTION SELECTOR: A four position switch is used to select the desired input to the amplifier, and provides for:

Tape or Phono

Phono with rumble filter

Tuner

Auxiliary equipment of high level output such as the audio output of a TV Set

When using the FUNCTION SELECTOR switch in the first position marked TAPE-PHONO, the slide switch immediately below, must be set to either the TAPE or PHONO position, depending on what equipment is used, to provide the correct equalization curve. When the FUNCTION SELECTOR switch is set at the RUMBLE FILTER position, the switch below must be set to the PHONO position. This setting will either eliminate or substantially reduce any objectionable low frequency signal that may result in some instances from motor vibration that is submitted to the power pickup.

BALANCE-LOUDNESS CONTROL: The BALANCE-LOUDNESS control consists of a friction clutch knob for independent setting on each channel and when so set, will be locked in position and can be operated as a single knob. With proper adjustment of this control, the volume of either speaker can either be increased or decreased to suit the listener's requirements.

TONE CONTROLS: The BASS and TREBLE are to be set with the marking in a vertical position for flat response. These controls can either boost or reduce the bass and treble of the stereo system. The bass and treble controls should be adjusted to suit the listener to compensate for room and speaker characteristics.

STEREO-MONAUURAL: This switch permits the Stereo Amplifier to be used either for Stereo or Monophonic listening. When in the STEREO position, each input goes through its separate amplifier and connects to its respective speaker. When in the MONAUURAL position, the two inputs are tied together so that input from a single phonograph, tuner or tape, can be heard through both speakers.



