

TEECO

MODEL 1030 STEREO-MONIC RECEIVER

INSTRUCTION MANUAL

BE SURE TO KEEP THIS INSTRUCTION BOOKLET AVAILABLE FOR READY REFERENCE

GENERAL DESCRIPTION

Model 1030 Stereo-Monic Receiver is a complete high fidelity stereo system with an AM and FM Tuner, and with two separate 15-watt power amplifiers. The FM portion is complete with AFC, and either the AM or FM portion of the Tuner can be operated separately, or both can be operated simultaneously for stereo reception. The Receiver also has an additional jack for attachment to a Multiplex Converter.

The High Fidelity Stereo Amplifier portion is complete with dual stereo pre-amplifiers and two separate 15 watt power amplifiers, and can be used with a magnetic cartridge, a tape head, ceramic or crystal cartridge, 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 30 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 BASS, TREBLE, and BALANCE-LOUDNESS control knobs permit 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, phono input, radio tuner, or other auxiliary equipment of a similar nature. The selector switch provides for listening on either channel separately or on both channels for stereo operation, or if desired, for reversing the inputs to the channels so as to receive the program exactly as it was recorded in the Studio.

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.

INSTALLATION

Because of its attractive appearance, Model 1030 Stereo Receiver 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 Receiver as this would reduce the ventilation and result in reducing the life of the components and tubes.

The front panel has been designed for easy custom installation in a cabinet if desired.

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 phonograph motor, etc. 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 RECEIVER 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, 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.

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 1030 Receiver 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 recorder inputs to the jacks marked TAPE OUT - CH. 1 and CH. 2.

For Monophonic listening with a monaural phonograph, or tape recorder, plug the outputs of the respective units into the CH. 1 jacks. When using the amplifier for a monaural operation, it is desirable that both speakers be connected to the proper terminals to prevent possible damage to the equipment.

OPERATION OF MODEL 1030 STEREO-MONIC RECEIVER

CONTROLS: All controls operate both channels simultaneously. An added feature provides for adjustment of each channel separately on TREBLE, BASS, and on BALANCE-LOUDNESS, or by a friction locking action, these controls can be operated as a single unit to adjust both channels at the same time.

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

- Tape
- Phono
- Tuner - AM or FM, or AM and FM simultaneously for stereo
- Auxiliary equipment of high level output such as the audio output of a TV Set

TUNER OPERATION: The upper left-hand knob is used to tune AM stations, and the upper right-hand knob is to tune FM stations. Both of these knobs operate independently of each other.

For Stereo reception, push the "AM MONAURAL" push button, then turn the AM tuning knob to the desired AM station, and adjust the volume on the amplifier to the desired level. Push "FM MONAURAL" push button and tune to desired FM station. Adjust the volume on the amplifier to equal that of the AM station. Push "STEREO AM-FM" push button and both AM and FM Stations will be heard from their respective speakers. To further adjust the input level of the AM Station, if desired, an additional auxiliary level control has been provided, which is located at the rear of the chassis, below the antenna loop stick.

AFC refers to "Automatic Frequency Control" and is an electronic means of keeping the receiver properly tuned to the F.M. Broadcasting station. Even if the F.M. Tuner Pointer is not in the exact center of the channel, the AFC will automatically pull in the station to the proper point. However, in tuning a weak station adjacent to a strong one, even if the AFC is in an operating position, it may lock on the stronger signal. It is for this reason that a selector switch has been provided for the disabling of the AFC.

For very precise tuning on FM, it is suggested that the "AFC" selector switch be set to the "Off" position until the station is received the loudest. The switch is then to be moved to "On" position and the station will be properly tuned and locked in position.

Tuning indicators, for both AM and FM, have been provided for visual observation of a properly tuned station. This occurs when the illuminators on each indicator come closest together.

For normal FM reception, a built-in line cord antenna is sufficient for most locations. In the event that the unit is located in a remote area, an external Dipole antenna will increase the efficiency and a number of distant stations can then be received. This external antenna is to be connected across the terminals marked "ANT" and "GND"

For AM reception, Model 1030 has a built-in Hi Q Ferrite loopstick antenna which is all that is normally required for most AM reception.

To increase the reception of the weak AM stations in the fringe area, it may be advisable to rotate the Tuner to obtain the loudest signal.

MULTIPLEX:

The Multiplex jack can be used for connecting to a Multiplex converter, to receive simultaneous signals on both FM and Multiplex broadcasting, for Multiplex Stereo reception.

STEREO CONTROL: The STEREO SELECTOR switch has four positions for the purpose of selecting the proper level and phasing of the program input. Stereophonic sound is normally properly phased so that certain sounds will come from the left channel and other sounds from the right channel. Sometimes the connections to the jacks may be incorrect and it would be desirable to reverse the positions of the sounds without interchanging the plugs. With the switch set to CH. 1, the signal input will be fed through CH. 1 amplifier and speaker. With the setting on CH. 2, the signal input will go through channel 2. On STEREO, both channels are in operation but setting the switch to INVERT, the input of channel 1 and 2 are reversed. Listen to the program with the switch in the STEREO position and then again in the INVERT position and select the position that is most pleasing.

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.

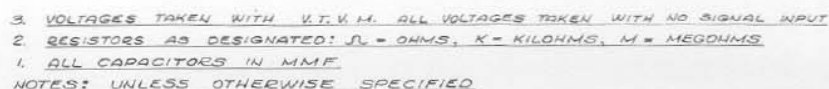
STEREO-MONIC CONTROL: The center speaker On-Off control is located on the front panel of the unit and provides for the turning On or Off of the center speaker. When the switch is to the right, the center speaker, if used, will be in operation, and will add to and improve the Stereo effect. If a Monaural Speaker is used in another room, the switch can be used to disconnect this speaker.

HIGH FILTER: The HIGH FILTER slide switch when placed in the "ON" position provides a filter network to reduce record scratch or high frequency noise.

LOW FILTER: The LOW FILTER slide switch when placed in the "ON" position either eliminates or substantially reduces any objectionable low frequency disturbances that may result in some instances from motor vibration or turntable rumble.

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.





MODEL 1030 STEREO-MONIC
AM FM TUNER AMPLIFIER

