

MODEL 852 SOLID STATE AM-FM TUNER
INSTALLATION AND OPERATION INSTRUCTIONS

Model 852 is a Hi Fidelity solid state sensitive AM-FM Tuner complete with AFC and should be used in connection with a high-grade audio amplifier. The Tuner has an audio output jack and an additional jack for attachment to a Multiplex Converter.

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 a warranty card included in the carton.

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

This unit has been very carefully inspected and should require no further service. Each unit is warranted to be free from defects in material and workmanship under normal use and service for a period of one year from date of delivery to the original purchaser. If this unit appears to be defective, the factory will repair any unit returned within said one year, 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, the Tuner may be placed on a table or shelf. DO NOT PLACE it on top of vacuum tube equipment. DO NOT STORE OR OPERATE it in areas where the ambient temperature exceeds 140 degrees Fahrenheit. If installed in a cabinet, ample ventilation must be allowed around the unit.

Plug the AC line cord in any outlet furnishing 105 to 120 volts, 60 cycles AC.

CONNECTIONS:

All connections are provided at the rear of the unit. One end of a proper patch cord is to be connected into the "Audio" jack and the other end inserted in the input jack of the audio amplifier, which is usually designated as a "Radio" or "Tuner". The Multiplex jack can be used for connecting to a Multiplex Converter to receive simultaneous signals on both FM and Multiplex broadcast, and for Multiplex Stereo Reception. The unit is to be plugged either in the AC convenience receptacle of the amplifier or in the event the amplifier does not have an A.C. receptacle, insert in any 110 volt A.C. outlet.

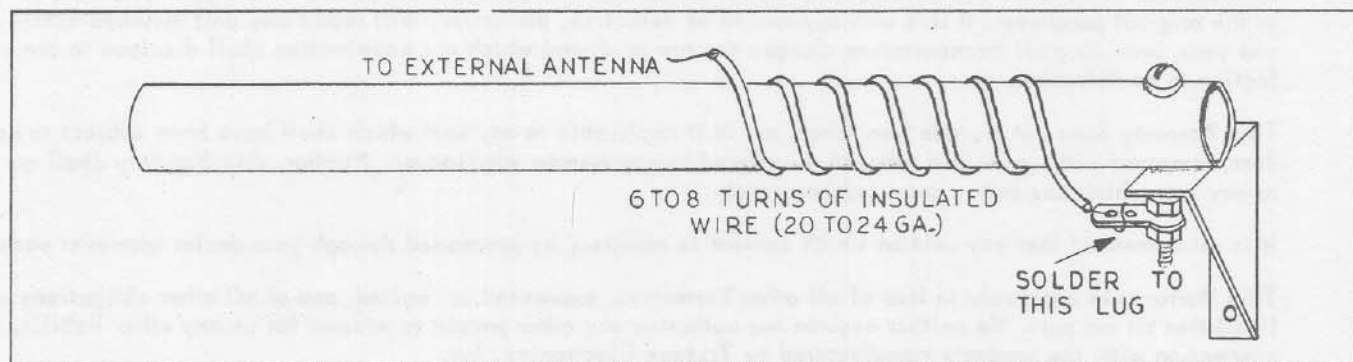
There are three slide switches on the left side of the front panel. The lower switch, marked "Power" is to turn the Tuner on or off. The upper slide switch (MODE) is used to select either AM or FM. The center slide switch is used to turn the AFC on or off in accordance with the instructions as indicated below. The knob at the right is used to turn the desired station for either AM or FM reception.

AFC refers to "Automatic Frequency Control", and is an electronic means of keeping the receiver properly tuned to the FM broadcasting station. It should be used only when the selector knob is set for FM reception. Even if the Tuner Pointer is not in the exact center of the channel, the AFC will automatically pull in the signal to the proper point. However, in tuning in a weak station adjacent to a stronger one, if the AFC is in operation position, it may "lock on the stronger signal". It is for this reason that a means has been provided for disabling the AFC. This is accomplished by using the switch at the upper left as indicated below.

For normal operation, the AFC switch should be placed at the "on" position. For very precise tuning or for tuning a weak station next to a powerful station on FM, it is suggested that the AFC switch be placed in the "off" position until the station is received the loudest. The switch is then to be moved to the "on" position and the station will be properly tuned and locked in position.

For normal FM reception, a short antenna lead 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 FM ANT.

For AM reception, Model 852 has a built-in Hi-Q Ferrite loopstick antenna which is all that is normally required for local AM reception. To increase the reception of weak AM stations in the fringe area, it may be advisable to rotate the loopstick to obtain the loudest signal. Where greater sensitivity is required, connect an external antenna to the metal lug on the hinged end of the loopstick, as indicated below.



The center marking on the dial glass is a LOG scale for easy recording of the position of the pointer for any specific station.

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