

## Connection of FM Antenna to Antenna Terminals

3 different Antenna Terminals are provided; the F-type Connector (75-ohm) (16), the Antenna Terminal (75-ohm) (15) and the Antenna Terminal (300-ohm) (14). Select an appropriate terminal, considering the impedance of the antenna connected and that of the lead-in cable. In case the impedance of the FM antenna is 300 ohms, use 300-ohm feeder cable, and connect it to the FM Antenna Terminal (300-ohms) (14). This type of cable has no polarity, therefore connection can be made in either way. When the FM antenna is 75 ohms, use coaxial cable of 75-ohm type, and connect it to the antenna terminal (15). In this case the core leads should be connected to the 75-ohm terminal (left), and the shield wire to the GND terminal (right).

When the impedance of the FM antenna is selectable between 300 ohms and 75 ohms, it is advisable to use 75-ohms coaxial cable as much as possible since its insertion loss is small and it is less influenced by noises.

## Connection of AM Antenna to Antenna Terminal

The T-50A is provided with an AM loop stick antenna (17), therefore it is not necessary to connect an AM outdoor antenna in such location where the electric field strength is strong. However, the outdoor antenna is required in case the T-50A is located in the weak electric field area or in the ferro-concrete house. In such case, connect the antenna lead to the AM External Antenna Terminal (18).

## Connection of Outputs to Audio Amplifier

Connect the output terminals (18) to the TUNER or AUX terminals of an audio amplifier by means of pin jack cord. Left channel output must be connected to left channel input, and so with the right channel.

## AC Power Cord

Plug the AC Power Cord (19) into an appropriate AC wall socket, or the AC outlet of an audio amplifier. Switch on the AC Power Switch (3) and the dial scale lights up. Then in about 3 seconds, the T-50A is put into the operational condition, since a time-delay muting circuit is provided to prevent the unwanted switching thumps.

## [ HOW TO USE COAXIAL CONNECTOR ]

As shown in the Figure 1, peel off the outer cover and insert the projected section of the connector in between the shield wire and the core conductor cover. Then firmly fasten the aluminum ring, as shown by the Figure 2, by means of plier.

