







OWNER'S MANUAL: hk500

To ensure continuing high performance, read this manual carefully before you connect and operate your hk500 tuner.

Warning: Do not mistake the ferrite loopstick AM antenna for a handle. Its bracket cannot support the unit.

CONNECTIONS

For the moment, leave the power cord (1) of the hk500 unconnected. Put the unit on the shelf or table where it will be installed. Leave enough working space so you can make connections easily.

Connecting AM Antennas

The ferrite loopstick AM antenna (2) on the rear of the hk500 can be rotated to improve the reception of distant stations. AM reception over extremely long distances can be obtained with an external "long wire" antenna, which can be connected to the AM ANTENNA terminal (3).

Connecting FM Antennas

A T-shaped (dipole) FM antenna is supplied with the tuner. However, reception will be greatly improved if the tuner is connected to an outdoor FM antenna system. If you live in a fringe reception area, or if your house is situated among obstructions (such as mountains or tall buildings), you may need a more powerful, directional FM antenna.

If no outdoor antenna is available, connect the lugs of the dipole (supplied with the unit) to the FM 300 BAL terminals (4). The dipole can then be tacked or taped to a wall or the back of a shelf.

If your cable is seventy-five ohm, as is the case with many outdoor antennas, it will be round with either two protruding wires or a threaded coaxial connector. If the cable ends in bare wires, connect the wire that forms the outer mesh braid to the terminal marked GND, 75 (5). Connect the solid, copper-colored wire protruding from the center of the cable to the terminal immediately to the right of the first (as viewed from the rear of the tuner). If your seventy-five ohm cable has a threaded coaxial connector, fasten it onto the threaded antenna receptacle marked 75 (6).

Output Connections

Normally you would connect the left and right FIXED OUTPUT jacks (7) to the left and right TUNER or AUX input jacks of your preamplifier or integrated amplifier. Use the cable supplied with the hk500.

If, after using the hk500 for some time, you find that the volume of broadcasts is greater than the sound of your turntable or tape deck (at the same volume setting), you may wish to use the VARIABLE OUTPUT jacks of the hk500. Turn your system off and disconnect the cables from the FIXED OUTPUT jacks. Re-connect them to the VARIABLE OUTPUT jacks (8). Starting with the VARIABLE ADJUST control (9) turned fully clockwise (as viewed from the rear), play a broadcast and rotate the control counter clockwise until the loudness of the broadcast is comparable to the loudness of the records and tapes when played through your music system.

Power Connection

You are now ready to plug the unit's power line cord (1) to an AC outlet, preferably to the switched outlet of the amplifier.

OPERATION

Power

The POWER switch (10) is located on the left side of the front panel and is "on" in the depressed position.

FM Tuning

Turn the FUNCTION control (11) of the hk500 to STEREO FM. Rotate the tuning knob (12) to tune in a station on the FM dial scale (13), calibrated from 88 to 108 megahertz. The red LED (14) labeled STEREO will glow when you are receiving a broadcast in stereo.

The tuning meter (15) indicates the relative strength of the incoming broadcast signal, the highest reading usually indicating the best reception.

A green in-tune LED (16) above the dial pointer will glow when you are tuned to the center of the broadcast channel. The illumination of the in-tune LED will usually coincide with the best reading of the tuning meter. On occasion, when you are tuned adjacent to a very powerful station, the two indications may not coincide. In such an instance, tune according to the meter.

Occasionally, an FM stereo multiplex circuit will introduce a high-frequency noise or hiss when processing a weak FM stereo broadcast. Depressing the MPX NOISE FILTER switch (17) will blend some of the high-frequency program content of the left and right channels. This will have the effect of reducing the noise, at some sacrifice in stereo separation. If the noise persists, setting the FUNCTION control (11) to FM will disengage the multiplex circuit and further reduce the noise. The broadcast will be received monophonically and the red STEREO LED (14) will be off.

FM Muting

The hk500 incorporates an FM muting circuit to eliminate the hissing atmospheric noise you normally hear when tuning between FM stations. To engage this circuit, turn the FM MUTE control (18) clockwise from its detented OFF position.

To set the FM MUTE control, first rotate the tuning control (12) to move the dial pointer to the extreme right-hand side of the dial scale. Start with the FM MUTE control almost fully counter-clockwise near the detented position. You should now hear the hiss of atmospheric noise. Slowly advance the FM MUTE control clockwise until the noise disappears. The FM MUTE control is now set to cancel interstation

noise while allowing the greatest number of FM stations to be heard. Turn the control further clockwise to mute some of the weaker stations. When the FM MUTE control is turned fully clockwise, all but the strongest FM stations are muted.

If you use the hk500 to receive Dolby FM broadcasts and you have an external Dolby decoder, depress the 25 MICROSECONDS switch (19) for proper de-emphasis. If you do not have a Dolby decoder, the best reception of Dolby FM broadcasts can be obtained with the switch in its normal, extended position.

AM Tuning

Set the FUNCTION control (11) to AM and tune according to the AM dial scale (20), calibrated from 540 to 1600 kilohertz. The tuning meter (15) indicates the best reception.

Maintaining Appearance

Clean the metal panel with mild, diluted detergent applied with a soft cloth or cotton swab. Never use a strong abrasive cleaner.

Remove dust or smudges from the acrylic front window with diluted glass cleaner applied with a soft cloth. Do not use a strong solvent-type cleaner or ammonia.

The hk500 is a high-quality precision instrument. If the instructions in this manual are followed thoughtfully, the tuner should provide many years of musical pleasure.