

AM-FM STEREO TUNER

# KT-7500

INSTRUCTION MANUAL



*the sound approach to quality*  
**KENWOOD**

## INTRODUCTION

The purpose of this manual is to acquaint you with the operating features of your new tuner. You will notice that in every detail of planning, engineering, styling, operating convenience, and adaptability, we have sought to anticipate your needs and desires.

We suggest that you read this manual carefully. Knowing how to set up your tuner, to the best advantage will enhance your listening pleasure right from the start. You will also become aware of the ease with which you can adjust your tuner to meet your special requirements.

## PRECAUTIONS CONCERNING INSTALLATION

- (a) Avoid locations subject to direct sunlight.
- (b) Avoid high or low temperature extremes.
- (c) Keep the tuner away from heat radiating source.

## SERIAL NUMBER

Record your SERIAL NUMBER on the spaces designated on the warranty card. You will find the serial number on the back of the unit.

## AFTER UNPACKING

After unpacking, we recommend you inspect and examine the unit for any possible shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend you retain the original carton and packing materials to prevent any damage should you transport or ship your unit in the future.

## WARNING:

**TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

## AC VOLTAGE SELECTION

The KT-7500 operates on 110 ~ 120 volts or 220 ~ 240 volts AC. The AC Voltage Selector Switch on the rear panel is set to the voltage that prevails in the area to which the tuner are shipped. Before operating this unit, make sure that the position of the AC Voltage Selector Switch matches your line voltage. If not, it must be changed to the proper setting.

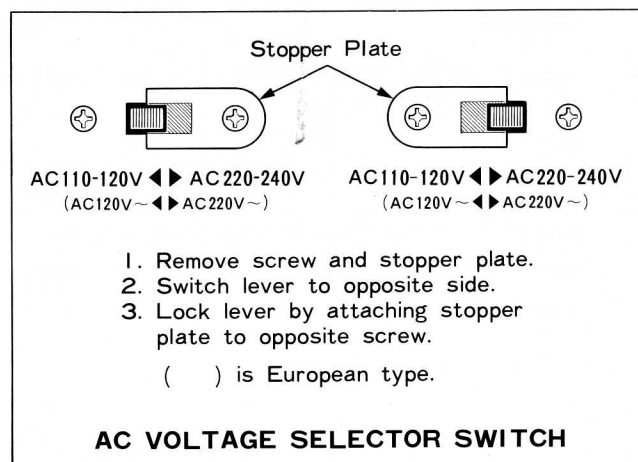
To change, first disconnect the AC line cord. Then remove the stopper plate and slide the AC Voltage Selector Switch to the opposite side. Then reattach the stopper plate to the other side.

### Note:

Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC Voltage Selector Switch.

## NOTES

1. Units shipped to the U.S.A. and CANADA are designed to be operated with 120 volts AC only. Units shipped to the Scandinavian countries are designed to be operated with 220 volts AC only. Therefore the above units are not equipped with an AC Voltage Selector Switch so all reference to such a switch throughout this manual should be disregarded.
2. Units shipped to all other countries are equipped with an AC Voltage Selector Switch on the rear panel that is preset at the factory to the voltage generally available in the destination area.



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## FEATURES

1. Image response characteristic is improved by the adoption of high-accuracy 5-ganged variable capacitor.
2. Cross-modulation characteristic is improved by use of Dual Gate MOS FETs for the RF amplifier.
3. Inter-modulation characteristic is improved by use of Dual Gate MOS FET for the mixing circuit.
4. The IF band selector of WIDE/NARROW is installed. In the NARROW setting, high selectivity is assured by use of a 10-element phase linear ceramic filter.
5. The circuits of WIDE of the IF band are provided with 2-element phase linear ceramic filter.
6. Adoption of wide band quadrature discriminator has extremely reduced distortion in stereo reception.
7. The PLL of MPX is provided with automatic loop response control to reduce distortion in stereo reception.
8. Since dual power supply system is adopted for all audio signal lines, dynamic range is very wide.
9. Built-in de-emphasizer to match any Dolbyized FM broadcasts.

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