

## Thank you for purchasing the LUXMAN T-50A

The T-50A is an AM/FM stereo tuner, featuring our original C.L.L. system (pat. pend.) and the ACCUTOUCH system to realize not only accurate reception of FM broadcast station but also easy operation of tuning. With our Closed Loop Locked (C.L.L.) circuitry, total control is effected throughout all stages from front end to IF and detector circuit in accordance with the crystal controlled transmission frequency of a broadcasting station. Therefore, once the wave of a broadcasting station is received, the strong feedback circuit locks it in the best condition. In addition, the C.L.L. circuit incorporates a lock-retaining circuit, and no fresh locking is needed when power is turned off and on once the set is tuned in.

Another feature is an "ACCUTOUCH" system to synchronize all the tuning circuit exactly to the tuning point. This is made possible by means of an extremely narrow capture range set at the C.L.L. circuit. Therefore, correct tuning operation becomes much more difficult and less accurate with conventional methods which depend on a center-tuning meter. The "ACCUTOUCH" system detects an exact center tuning point utilizing a control voltage at the C.L.L. circuit, which triggers a mechanical lock on the tuning knob. Thus, precise tuning to a station is possible with an incomparable accuracy compared with that of current visual tuning systems.

The front end employs a distortion free local oscillator and an RF amp stage composed by the combination of MOS FET and a quality variable capacitor, which makes it feasible to realize superb interference and intermodulation rejection characteristics. The IF stage is so designed as to be inherently low in distortion, but to make it perfect, a new quadrature IC and a special detector transformer are combined in the FM detector stage to further reduce distortion and provide high S/N ratio and a wider bandwidth.

In the multiplex stage, in addition to the selected P.L.L. IC's offering good separation, low-pass filters are placed independently in the left and right channels to improve separation characteristics, especially in the treble range.

We recommend that you choose other Hi-Fi components to be used in combination, with care and go through the contents of this owner's manual to make the most of the potential of the T-50A.