TUNER

For optimum enjoyment of FM or AM broadcasts, this tuner is equipped with Kenwood's latest technology. It's a solid performer that's a perfect match for a system of Kenwood components.

DPD—Direct Pure Decoder Sample & Hold MPX

The KT-5020 uses an advanced digital sample and hold design to decode the stereo signal, not a simple switching system. It reads off the left and right channel information directly, sampling the upper and lower envelopes of the composite signal for increased stereo separation.

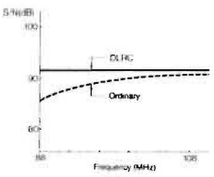
DLLD—Direct Linear Loop Detector with DCC Module

The highly linear detector circuit used in the KT-5020 is designed to significantly widen the dynamic range the tuner can handle without distortion, an important consideration as the quality of FM broadcast signals improves. Called the Direct Linear Loop Detector, it extends high and low frequency fidelity and exhibits superior phase characteristics which contribute to accurate sound stage imaging. A special DCC (Distortion Correcting Circuit) module in the demodulator compensates for harmonic distortion generated by IF stage filter characteristics.

DLRC—Direct Linear Reception Circuit

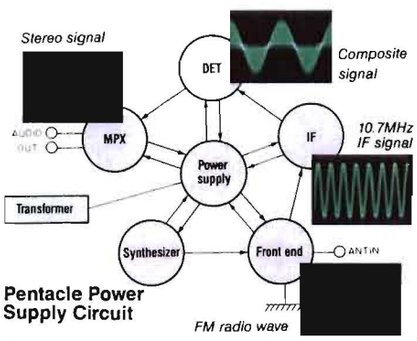
Though it might come as a surprise, conventional tuners employing analog local oscillators often boast better signal-to-noise ratios than their more modern quartz synthesizer cousins. The difference is due to digital noise which can sometimes cover up the subtle, quiet portions of the signal. The Direct Linear Reception Circuit clears up this digital noise while retaining quartz tuning precision. The sound is as good as an analog tuner, but the one-touch tuning convenience remains.

S/N Effect of Linear Reception Synthesizer



Pentacle Power Supply

Kenwood's innovative pentacle power supply configuration eliminates interference between tuner circuits which can arise if they share a common power supply line. Each of the KT-5020's circuit stages is connected directly to the power supply. The lack of interference means better definition in the sound you hear.



Pentacle Power Supply Circuit

20-Station Random FM/AM Preset Memory

The KT-5020 lets you store up to 20 AM or FM stations for one-touch recall. The tuner remembers whether each preset is AM or FM, so you don't have to set the band selector before recalling a station.

Wide/Narrow IF Selector

You can set the IF (intermediate frequency) bandwidth to either wide or narrow. Choose wide for well isolated stations to enjoy optimum phase linearity. If you experience interference from adjacent channels, switch to the narrow IF bandwidth for increased selectivity. Though it sounds complicated, the selector is actually very easy to use. Just switch between the two settings to see which sounds better for the station in question.

Automatic Quieting Control

Unlike the mono/stereo selector found on most tuners, the KT-5020's automatic quieting control helps to mute inter-station noise while still allowing reception of weaker stations.

Flex-On Circuit Board Suspension System

The circuit boards in the KT-5020 are supported by a special suspension system that helps dampen frame and external vibrations which could interfere with the accurate operation of their precision electronic components.

System Remote Controlled Operation

The KT-5020 is controllable via the system remote control. You can access all the presets and even scan the presets from your chair.

KT-5020 Quartz Synthesized Digital Tuner

AUTO AF FUNCTION

- Direct Linear Reception Circuit
- Pentacle Power Supply
- Quartz Synthesized Computer Controlled Tuning System
- 20-Station Random FM/AM Preset Memory
- Wide/Narrow FM IF Bandwidth Selector
- Fluorescent Display
- Flex-On Printed Circuit Board System for Better Sound
- Direct Linear Loop Detector (DLLD)
- System Remote Controllable
- Auto Function