

Features

- Digital PLL Synthesized AM/FM Tuner
- Direct Access 25-Station Preset Memory
- LCD Display Indicates Preset Memory Selection
- Auto-Scan and Preset Memory Scan
- Switch-Selectable Muting
- Mono Variable Out



Description

The DT-5101 digital AM/FM mono tuner is designed for professional sound system installations. A direct-access 25-station preset memory, auto - scan and preset memory scan allow ease of use. An LCD display shows frequency tuned, present preset selection and band, while a PLL Synthesized tuner ensures stable and reliable operation, with excellent sensitivity. The switch-Selectable muting assures noise-free FM tuning and scanning, or permits maximum sensitivity for weak FM stations in fringe reception areas. Both fixed and variable outputs are provided, with a front panel output level control, mono output connections via 1/4" phone jacks, and mono outputs. The DT-5101 can be powered by 100-120VAC or 220-240 VAC (depending on country requirements) , or 24VDC, enabling connection to a standby power supply for emergency operation. The unit is packaged in a low-profile 1.75" high (1RU) enclosure.

Technical Specifications

ELECTRICAL		DT-5101
Scope of Frequency		FM: 87.5MHz~108MHz, AM: 522KHz~1620KHz
Sensibility		FM : $3\mu V$, AM : $100\mu V$
Signal to Noise Ratio		FM : > -65dB, AM : > -40dB
Total Harmonic Distortion		FM : 1.2% , AM : 2%
Output Level	FM (Mono)	600mV (module 75KHz)
	AM (Mono)	400mV (module 30%)
Power Source		100-120VAC or 220-240VAC 50/60Hz Or 24VDC
Power Consumption		7W
Weight (kg/lbs)		3.3Kg / 7.2lbs
Dimensions (mm) (W x H x D) (inch)		482 x 44 x 280 19" x 1.7" x 11"

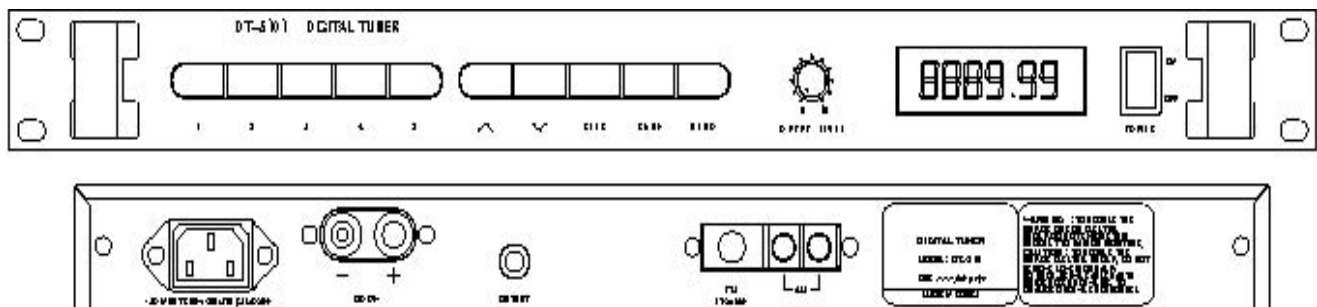
DT-5101 Architects and Engineers Specifications

The AM/FM tuner shall incorporate PLL synthesized digital circuitry and shall feature a direct-access 25 station preset memory. An auto scan function shall enable rapid up/down tuning, and preset memory scan shall allow sequential scanning of preset stations. An LED display shall indicate station frequency and preset memory selection. A muting switch shall permit either noise-free FM tuning or scanning, or maximum sensitivity for weak FM stations. Mono output connections shall be made by 1/4" phone jacks, and both fixed (-10 dBV) and variable level outputs shall be provided. The variable output shall be regulated by a front panel control.

Antenna terminals shall be provided for connection of external AM and FM antennas (FM either 75Ω or 300Ω; AM long wire). The AM/FM tuner shall meet the following performance criteria: Sensitivity shall be 3μV for FM and 100μV for AM; signal-to-noise ratio shall exceed -65dB for FM and -40dB for AM; and total harmonic distortion shall be less than. 1.2% for FM and 2% for AM. Both mono fixed and variable outputs shall have a 400mV signal for AM @ 1kΩ impedance and 600mV signal for FM @ 1kΩ impedance.

The tuner shall measure 19"(482mm) wide x 1.75"(44.5mm) high x 11"(280mm) deep, and shall mount in a standard 19" rack. The power source shall be switch-selectable between 120VAC/60 Hz or 220VAC/50Hz, or 24VDC. The power shall be controlled from a front-panel push-on/push-off switch with an integral power indicator LED. The AM/FM tuner shall be an KODIO model DT-5101.

Front and Rear Views



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