

Decade Transmitters

LX-75B FM Transmitter



The LX-75 Series are professional FM transmitters operating in the commercial FM broadcast band (88.1 - 107.5MHz) that can be used in a wide variety of applications in sound re-enforcement, hearing assistance, information and short range broadcasting. Their outstanding RF and audio performance, solidity, reliability and versatility make the LX-75 Series stand out from conventional FM broadcasting systems. The LX-75 Series feature our latest technology innovations called DAFP and DAPP technologies (Direct Access Frequency Programming) (Direct Access Power Programming). These new digital technologies allow the end user to program the frequency and the RF power without any manual tuning inside the unit. The LX-75 Series are currently the best stable, trouble-free FM transmitters available on the market; thanks to the new auto-compensation circuitry that will assure optimum linearity on a temperature range of - 50 degC to +50 deg C (-58 deg F to + 122 deg F).

The stereo generator section of the LX-75S & LX-75SM feature a full digital circuitry that allows a stereo separation of over 40dB. Near CD sound quality broadcasting is now a reality with the LX-75 Series. The LX-75 Series are offered in five different audio configurations for the most demanding plug & play applications.

FEATURES

- User programmable frequency (Hex switches)
- User programmable RF power (Hex switches)
- No manual tuning required
- Hi-Fi mono/stereo audio mode(selectable) (LX-75S and LX-75SM models)
- Bass boost mode(selectable for LX-75S-SM)
- Digital stereo generator (LX-75S , LX-75SM)
- Peak indicator with associated volume (all models)
- Choice of fixed telescopic antenna or UHF connector
- Continuous duty
- DAFP and DAPP technologies
- One year warranty (parts&labour)

SPECIFICATIONS

- Inputs:** 2 RCA (-15 dBm to +15dBm) 1 XLR Balanced Line (-9dBm to +21dBm)
- Modulation:** FM, 75 KHz deviation
- Frequency selection:** 88.1 - 107.5MHz
- Frequency precision:** .005% (-50 to +50 deg C)
- RF power:** 0 to 80 mili-Watts (programmable)
- Spurious rejection:** 40 dB min , 45 dB typ
- Frequency response:** 20 - 20 KHz (Mono models) 15KHz (stereo models)
- Harmonic distortion:** .05% max.· Signal to noise ratio: 70 dB min
- Dynamic range:** 80 dB min (all models)
- Power supply:** 110/16Vac @ 500mA (AC wall type adaptor)
- Dimensions:** 7.8 Wide x 11 Deep x 1.6 High