



Clearchannel LTR[®]

8600 LOGIC TRUNKED RADIO 800 MHz

The 8600 mobile is designed to fit the needs of the commercial, business, and industrial markets. This radio is equipped to handle both LTR[®] and conventional operation. Its features include:

10 LTR or conventional system capability with 1 group per system.

2-digit LED display shows selected system number, as well as indicators for call, transmit and scan functions.

15 watts of transmit power handles basic coverage needs.

System scan provides automatic scanning of all systems to prevent missed calls.

Front-mounted control knob provides direct access to power on/off, volume setting and system selections.

Front-mounted microphone connector provides access to microphone and radio programming interface.

Rugged design meets tough industry environmental specifications for shock and vibration, among others.



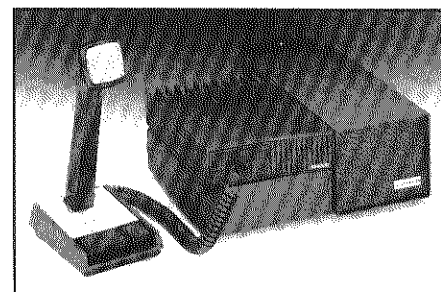
LTR[®] 8600 MOBILE RADIO

TECHNICAL SPECIFICATIONS

MODEL DESIGNATOR	8600
GENERAL	
Frequency Range	806–824 MHz (Tx) 851–869 MHz (Tx/Rx)
RF Power Output	10–15 Watts Variable
Systems/Groups/Channels	10/1/10
Mounting	Front
Input Voltage	13.6 VDC (Negative Ground)
Dimensions (HxWxD)	2.0" x 6.6" x 9.8" (5.1cm x 16.8cm x 24.9cm)
Weight	4.0 lbs. (1.8 kg)
Temperature Range	–30°C to +60°C
Current Drain:	
Transmit	6.0 Amps
Receive	1.2 Amps
Squelched	0.5 Amp
Channel Spacing	25/12.5 kHz
FCC Type Acceptance Number	ATH90F2428600
FCC Compliance	Parts 15 & 90
DOC Type Approval	933 193 408 I
RECEIVER (Measurements per EIA Standards)	
Sensitivity: 12 dB SINAD	0.30 µV
20 dB Quieting	0.40 µV
Selectivity	70 dB
Spurious & Image Rejection	70 dB
Intermodulation	60 dB
Audio Output Power	5 Watts
Audio Distortion (at 1000 Hz)	Less than 5%
Audio Response (1000 Hz ref.)	+2, –8 dB from 6 dB/octave de-emphasis, 300-3000 Hz
Frequency Stability (–30°C to +60°C)	2.5 ppm
Maximum Frequency Separation	18 MHz
TRANSMITTER (Measurements per EIA Standards)	
RF Power Output (EIA 20% duty cycle)	15 Watts
Spurious & Harmonic Emissions	–65 dB
FM Hum & Noise (C-message weighting)	–45 dB
Emission Designators	16K0FTD, 16K0F3E
Audio Distortion (at 1000 Hz)	Less than 5%
Audio Response (1000 Hz ref.)	+1, –3 dB from 6 dB/octave pre-emphasis, 300-3000 Hz
Frequency Stability (–30°C to +60°C)	2.5 ppm
Maximum Frequency Separation	18 MHz (no degradation)

ACCESSORIES

- DTMF Microphone
- 5 Watt External Speaker
- Remote Control Unit
- Control Station Options Including:
 - Power Supply
 - Desk Pedestal Kit
 - Desk Microphone



LTR 8600 Base Station

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