

810 Auto Dial Heavy Duty DTMF Microphone

Features

- High impact, weighted, ergonomically designed case for maximum structural integrity and strength.
- Voice-tailored electret microphone element for true voice quality and improved intelligibility.
- High tactile feel stainless snap dome keypad switches over gold-plated contacts assures long life operation.
- Oversized, fifteen-key backlit keypad allows easy day or night operation for large fingers or gloved hands.
- Rugged surface mount technology with specially designed flex circuits used through-out reduces internal wiring.
- Illuminated PTT LED indicates when transmitter is keyed.
- Continuously active keypad for immediate access to voice-mail systems/DTMF over dial applications.
- Integrated tactile feel PTT switch and case seal excludes dust and moisture.
- Sealed tuning port allows level setting without opening case.
- Keypad access to fourth column tones. A, B, C & D.
- True DTMF sidetone helps ensure dialing accuracy.
- Six conductor, extreme life, coiled cord with overmolded strain relief.



INTRODUCTION

The Model 810 programmable DTMF microphone is the first DTMF microphone in the industry to offer an unprecedented array of features, rugged construction, and a water-and-dust resistant housing, all with the quality available only from CES. A specially designed case and gasket assure structural integrity to meet military standards for shock, vibration and water resistance.

Physically strenuous and demanding conditions are the intended norm for this ruggedly built, high-quality microphone. A high-strength epoxy fiberglass circuit board with surface-mount components, coupled with a sturdy and weighted housing and high quality six foot coiled cord, assures the user he has purchased the most versatile, user-friendly, high-performance microphone available today.

The Model 810 is a product of superior engineering with both the dealer and the user in mind. The comprehensive design allows for a myriad of possible programming options to meet the demands of any interconnected conventional or trunked radio system.

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Specifications

Programmable Features

Four dialing modes: Manual dialing, auto-dialing, store-and-send dialing, and last number redial.

Twenty user-programmable locations for frequently dialed numbers.

Dialing Speed: Installer-programmable from one to twenty digits per second. Can be changed by a multiplier or division factor of 2, 4, or 8.

DTMF Tone Format: Selectable for 50/50 or 60/40 duty cycle in autodial and normal or burst tone in manual configuration.

Transmitter Hang Time: Auto keys transmitter and hang time can be programmed for immediate drop or hold for 1 or 2 seconds.

Automatic ANI: Can be programmed to auto ANI on or off hook, with PTT make or break, by depressing * or # or auto-keying for E.F. Johnson LTR RIC™ systems.

Fourth Column Tone Capability: direct keypad access to A, B, C, or D tones for special signaling requirements.

Sidetone: True DTMF sidetone generation for improved dialing accuracy.

Courtesy Beeps: Signals release of PTT. Can be disabled.

Unauthorized Use Lockout: Special code to lock microphone in on-hook condition.

Time Out Timer: Will sound an alarm if PTT is activated for more than pre-set time. Selectable from 10 sec. to 166 min.

Hook Switch: Provides a hardware signal to radio to indicate when 810 is off hook.

Programmable Output Gain: Will accommodate low or high impedance radio input characteristics

Technical Specifications

Weight

10 oz. (285 grams)

Power Requirements:

+ 7.5 V DC to 12V DC

Current 50 mA

Impedance at 1 kHz:

1000 ohm

Frequency Response:

300 to 3 kHz \pm 3 dB

Output Level:

-34 dBm to 6 dBm

Environmental Specifications

Operating Temperature:

- 22 to 140°F (- 30 to 60°C)

Storage Temperature:

- 40 to 185°F (- 40 to 85°C)

Humidity:

0 to 90% (non-condensing)

Interface Connections

Power, PTT, Audio Ground, Ground, Transmit Audio, Hook Switch (high or low)

Available from: