

## 710 Auto Dial DTMF Microphone

### Features

#### Standard Features for the CES Model 710

- Auto-dialing of eight 21-digit numbers
- Auto-encoding of two 21-digit ANI's
- Variable dialing speed
- Pauses with or without PTT
- "Fourth column" tone generation
- Alpha-numeric backlit keypad
- Automatic transmitter keying
- Automatic microphone muting
- Universal impedance matching
- Audible sidetone generation
- Continuous or burst tones
- Extreme temperature cord
- Nonvolatile memory (no battery required)
- Full year parts and labor warranty

### Radios Supported

- EFJohnson, Ericsson/GE
- Fujitsu, Icom, Kenwood, Kyodo
- Motorola, Maxon, Midland, Regency,
- Repco, Ranger/Nutec, Ritron,
- Relm, Regency, SEA, Shinwa, Standard
- Tait, Uniden, Yaesu, Vertex
- ....and more..ask about your model?



### INTRODUCTION

The CES model 710 is a microprocessor controlled DTMF encoding microphone which is designed to be compatible with virtually any two-way radio system. The 710 is available with radio mating connectors for many two-way radios. One of the features of the 710 is the Store & Send mode; the user may store a series of up to fifty digits including ANI, and then send the pre-stored digits by keying the microphone. This feature allows the user to dial at any speed without losing the interconnect due to slow access.

In addition to Store & Send, the 710 has several other new features. Memory in the microphone is retained by an EEPROM, and as a result there is no need for battery backup. True sidetone is generated by an internal transducer for positive feedback. The microphone audio path is deactivated during tone transmission, so ambient noise will not interfere with the DTMF signal. The model 710 has a quality microphone element which has been voice tailored for improved response over the entire voice frequency range.

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## Specifications

### Dimensions

2.15"W x 4.50"H x 1.70"D

### Weight

7.5 oz. (213 grams)

### Operating Temperature

-22°F to 140°F (-30° to +60° C)

### Storage Temperature

-40°F to 185°F (-40° to 85° C)

### Humidity

0% to 95% non-condensing

### Audio Frequency Response

300 to 3000 Hz  $\pm 3$  db

### Coiled Cord

8' five-conductor, extreme temperature shielded urethane

### Voltage

+8 to + 15 vdc

### Current

25 mA keyed, 12 mA stand-by

### Output Impedance

$\leq 100$  ohms

### Output Audio Level

Adjustable from -64.5 db to -46.0 db  $\pm 3$  db, reference 1 volt per microbar

### Keyboard

Single-piece silicone rubber with alpha-numeric keys

### Keypad Switches

Stainless steel, snap-domes, gold plated contacts

### Automatic Push-to-Talk

Initiated 1 second prior to tone transmission, 2 second interdigit time

### Tone Accuracy

$> \pm 0.5\%$

### Tone Stability

$\pm 0.05$  at -4° +158°F

### Tone Format

66%/33%, or 50%/50% duty cycle

### Programmable Parameters

Programmable functions and ANI's are executed via the front keypad. The dealer or service shop will be provided with a security access sequence. The access sequence is provided to enable dealers and system managers to more efficiently regulate the use of the system. All auto-dial memories are programmable by the user.

### Dialing Speed

50mS to 250mS

### Programmable Delay

1 or 2 seconds with or without PTT

### Programmable Pause

Pause until next key with or without PTT

*Available from:*