



# Local Extensions



The LE series local extension remote control units are designed to provide control of a remotely located convention or trunked base station or repeater at distances up to 1000 feet. The LE series is easily configured for use with virtually any radio and allows up to 25 units to be paralleled off a single radio. Advanced features of the LE series include the ability to hear transmissions made from parallel units as well

as those made using the radio microphone. Standard features include: front panel PTT capability, standard modular cord connections, parallel LED transmit indicator, 1 watt speaker output with volume control, and adjustable amplified modulation output. Standard configurations for the LE series are the **LE10**, **LE20**, **LE30**, and **LE40** units. The **LE10** unit



is a telephone style remote with a soft touch PTT handset and off-hook monitor. The **LE20** is a console style remote with desk microphone and includes monitor and intercom as standard features. The **LE30** is a console style with an internal electret microphone with monitor and intercom. The **LE40** is a console style remote with desk microphone with monitor and intercom standard.

There are many options available for this unit and application notes are available for many popular radios.



# LE Series Specifications

|                           |   |
|---------------------------|---|
| Power Requirements        | 120 VAC, 60Hz for wall pack operation or 12 to 16 VDC @ 35mA idle, 175 mA maximum (powered from radio) - fused on circuit board                                 |
| Receive audio input level | 88 mVRMS to 880 mVRMS to provide full speaker output  |
| Audio output to speaker   | 1 watt into 8 ohms with less than 3% distortion using supplied power pack   |
| Transmit audio output     | 2 mVRMS to 565 mVRMS into 600 ohms  |
| Frequency Response        | +/- 3 dBm from 300 to 3000 Hz. 1000 Hz reference.   |
| Dimensions/ Weight        | 9" x 4" x 7" / 4lbs.  |
| Connections               | 4 pin modular for handset. RJ11 for desk microphone and phone pair  |
| PTT output                | Solida state to ground, can sink up to 2.5 amps. Keying to plus voltage available.  |
| Monitor output            | N.O. or N.C. relay contacts activated by hook switch or optional push button  |
| F1/F2 select (optional)   | Latched or momentary pulsed N.O. or N.C. relay contacts   |
| Intercom (optional)       | Optional momentary push button activated circuit that allows audio transmissions between local extensions without keying the radio. May be used on or off hook. |

## Option

## Description

|       |  |
|-------|--|
| -M    | Push button monitor - CTCSS disable - standard on DR20, DR30, DR40 |
| -I    | Push button intercom - standard on DR20, DR30, DR40                |
| -2F   | 2 frequency selection - control current is dip switch selectable   |
| -DE   | 12 key DTMF encoder  |
| -UE1  | 12 key multi-format encoder  |
| -FS   | Foot switch for PTT  |
| -220V | 220V AC wall pack transformer                                      |
| -WM   | Wall mount kit   |
| -BLK  | Unit color is black instead of ash                                 |

