

## Two-Way Radio Antenna



EXD450

Laird's in-building wireless antennas are particularly applicable in environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. Their surprisingly small size allow the antennas to be hidden almost anywhere, providing an invisible solution for most applications.

External antennas are weather resistant and waterproof high-gain antennas that provide an excellent choice for outdoor and indoor installation, and can be mounted on the outside of a housing.

Our antennas products are designed for maximum efficiency and are customizable and scalable to meet your frequency and application requirements. Contact Laird today for your complete application solutions!

### FEATURES

- Injection molded  $\frac{1}{4}$  wave helical antenna
- High durability, high efficiency
- Textured finish with strain-relief base
- Available in various standard connectors

| PARAMETER         | SPECIFICATION          |
|-------------------|------------------------|
| Frequency Range   | UHF                    |
| Nominal Impedance | 50 ohms                |
| VSWR              | 1.5:1 max at resonance |
| Polarization      | Vertical               |
| Temperature Range | -40°C to +85°C         |
| Drop Test         | 1M                     |

### FREQUENCIES AND CONNECTORS

| PART#  | FREQUENCY BAND | CONNECTORS                                                | AVERAGE LENGTH |
|--------|----------------|-----------------------------------------------------------|----------------|
| EXD400 | 400-420 MHz    | BN, BNX, KR, MD, MX, MXI, SF, SFU, SM, SMI, SMV, TN & TNX | 3.4" - 3.8"    |
| EXD410 |                | SMV                                                       |                |
| EXD420 | 420-450 MHz    | BN, BNX, KR, MD, MX, SF, SFU, SM, SMV, TN & TNX           | 3.3" - 3.59"   |
| EXD450 | 450-470 MHz    | BN, BNX, KR, MD, MX, MXI, SF, SM, SMI, SMV, TN & TNX      | 2.95" - 3.88"  |
| EXD470 | 470-512 MHz    | BN, BNX, KR, MD, MX, MXI, SF, SFU, SM, SMI, SMV, TN & TNX | 2.8" - 3.6"    |

The EXD model antenna is available in the above frequencies and connectors. Order by antenna model, frequency and connector.

For example: EXD450MX. Length of each antenna will vary according to the connector chosen. Specifications subject to change without notice.

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