



## EXS

### Two-Way Radio Antenna

Laird Connectivity 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 allows 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. They can also be mounted on the outside of a housing.

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

### FEATURES AND BENEFITS

- Injection-molded ¼ wave helical slim mini antenna
- High durability, high efficiency
- Textured finish with strain-relief base
- An original Tuf Duck antenna

### MARKETS

- Public safety/Two-way
- Trunking/Cellular
- For Bluetooth and IEEE 802.11BG devices

| SPECIFICATION                   |                         |
|---------------------------------|-------------------------|
| Operating Frequency (MHz)       | VHF Trunking/Cellular   |
| VSWR - Max                      | 1.5:1 max at resonance  |
| Nominal Impedance (Ohms)        | 50                      |
| Power Handling (W)              | 50                      |
| Polarization                    | Vertical                |
| Operating Temperature - °C (°F) | -40 (-40) to +85 (+185) |
| Drop Test                       | 1 meter                 |

## CONFIGURATION

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

For example: EXS150MX. Length of each antenna varies with the chosen connector.

| PART NUMBER | FREQUENCY BAND | CONNECTOR                                    | AVERAGE LENGTH |
|-------------|----------------|----------------------------------------------|----------------|
| EXS000      | Untuned        | MX, SF, SFU, SM, SMI                         | 4.0" -5"       |
| EXS118      | 118-127 MHz    | BNX                                          | 5.1"           |
| EXS136      | 136-144 MHz    | MX, SF, SMI                                  | 3.62" - 4.4"   |
| EXS144      | 144-148 MHz    |                                              | 3.55" - 4.45"  |
| EXS148      | 150-162 MHz    | MX, SF                                       | 3.50"          |
| EXS150      | 150-164 MHz    | BN, BNX, MD, MX, MXI, SF, SFU, SMI, SMV, TNX | 3.5" - 4.39"   |
| EXS155      | 155-164 MHz    | MX, SF, SFU, SMI, TNX                        | 3.45" - 4.2"   |
| EXS164      | 164-174 MHz    | BN, MX, SFU, SMI, TNX                        | 3.3" - 3.95"   |
| EXS220      | 220-225 MHz    | MX                                           | 3.0"           |
| EXS806      | 806-866 MHz    | SF, SFU, SM                                  | 1.83"          |
| EXS880/1710 | 880-1710 MHz   | SM                                           | 2.75"          |
| EXS902      | 896-941 MHz    | SFU                                          | 1.89"          |
| EXSN2.4HW   | 2.4 GHz        | RSM                                          | N/A            |

## TE TECHNICAL SUPPORT CENTER

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