



Magnetek ZLTX Bellybox Transmitter Tech Specs

June 2025

General ZLTX System Specifications

Temperature Range:

- -25°C to 75°C (-13°F to 167°F)

Environmental Protection:

- IP-66/NEMA 4

Material Type:

- Glass reinforced nylon

Test & Certifications:

- FCC Approved Part 15
- IC Approved RSS-210
- CE Approval in accordance with:
 - EN ISO 13849-1: 2015
 - EN 55032 + EN 55035
 - EN60204-32:2008
 - EN 300 220-1 v3.1.1
 - EN 61010-1: 2010 + A1: 2019
 - EN 300 220-2 v3.2.1
 - EN 60529
 - EN 301 489-1 v2.2.3
 - EN 62479
 - EN 301 489-3 v2.1.1
 - EN 13557: 2023 + A2:2008

RF Operation Range:

- Non-Licensed FCC/IC Up to 100 m (328 feet)

Frequency Range:

- Non-Licensed FCC/IC 433.050-439.600 MHz

Output Power:

- Non-Licensed FCC/IC Less than 1 mW

RF Channels:

- Non-Licensed FCC/IC 62 channels

Other Features:

- Field configurable outputs
- Pitch & catch between 2 operators
- IR Programming

ZLTX Transmitter Specifications

Weight:

- Approximately 1.0 kg / 2.2 lbs (including batteries)

Dimensions:

- 229mm (L) x 141.5mm (W) x 129.2mm (H)

Power:

- 4 AA Batteries
- 100+ operating hours
- Rechargeable battery optional

Three and Four Lever Configurations:

- Two step (speed)
- Three step (speed)
- Five step (speed)
- Stepless (analog)

Antenna:

- Internal

Diagnostics:

- LED error codes

Other Features:

- Button and lever labels standard
- Levers rated for over 5 million cycles
- Shoulder strap standard
- Waist belt standard
- Zero-G Sensor
- Rechargeable battery and charger option

VRX Receiver Specifications

Dimensions:

- 260mm (L) x 204mm (W) x 83mm (H)

Mounting Type:

- Panel mount

Input Voltage:

- | | |
|---------------|-------------------------|
| • 100-240 VAC | Standard with each unit |
| • 9-36 VDC | |
| • 24-48 VAC | Customer replaceable |
| • 380-460VAC | spare part purchase |

Power Consumption:

- **VRX:** 22VA (max)

Output Type:

- **VRX:** 36 mechanical relays (12 functions + 1 MLC + 2 FUNC)

Relay Rating:

- **VRX:** 250V @ 8 Amps

Receiver Weight

- 2.64 kg / 5.8 lbs. (including output cable)

Antenna:

- Internal
- Optional External

Diagnostics:

- LED error codes
- Internal screen codes

Pre-wired Pigtail:

- 1.7 m (5' 9.2")

Battery and Charger Options

Battery Type:

- Rechargeable: 4 NiMH (1.2V per cell, less than 2750 mAh)
- Disposable: 4 AA Alkaline cells, 2300 mAh

**** Note:** Any NiMH rechargeable battery can be used in the ZLTX as long as it meets the specification noted per cell. ******

Service Life:

- Rechargeable: 500 cycles

Battery Chargers:

- Charge 4 loose batteries and one transmitter at the same time.

Battery Charge Time:

- Fast Charge: approx. 2 hours

Charger Power:

- 120/240 VAC 50/60 Hz

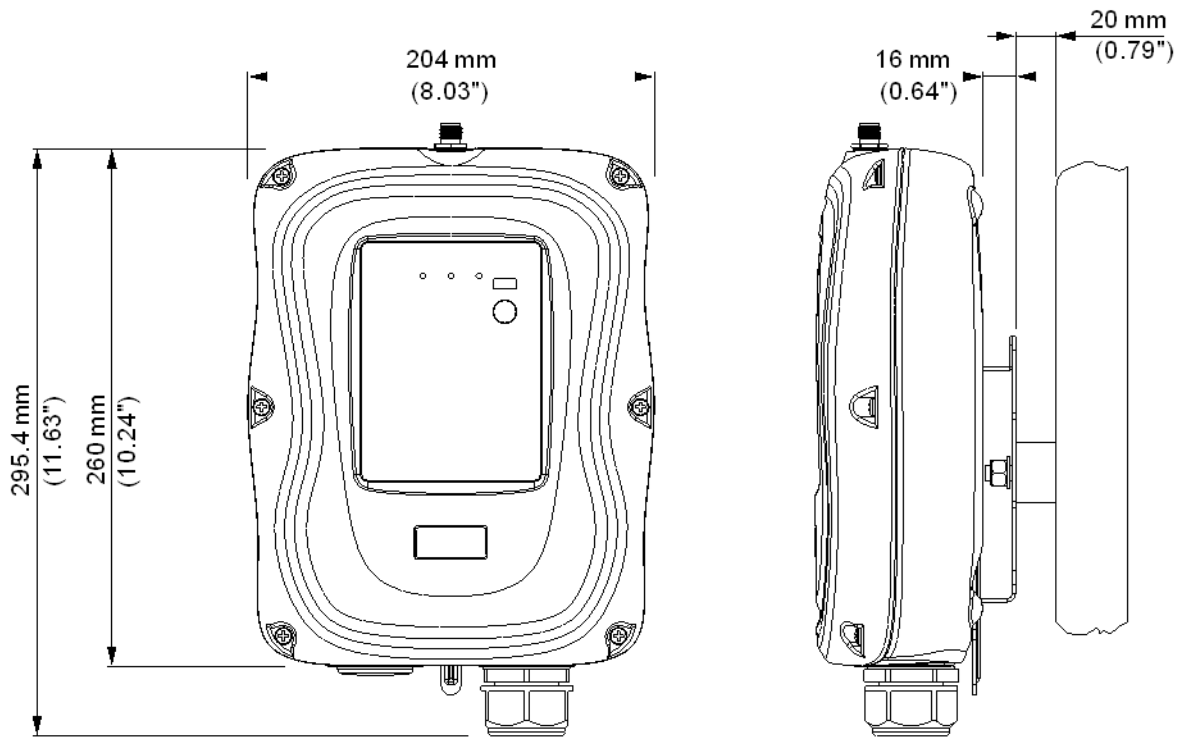
**** Note:** Charger will only work with rechargeable cells ******

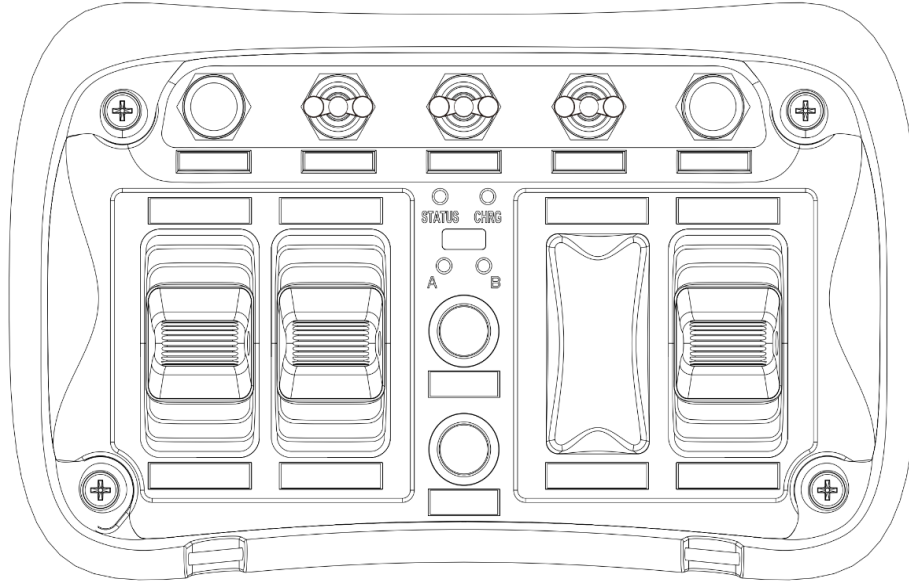
**** Note:** The charger will disconnect the charging when temperature exceeds 45C. ******

**** Note:** The charger will also disconnect the charging when charging time exceeds 3 hours. ******

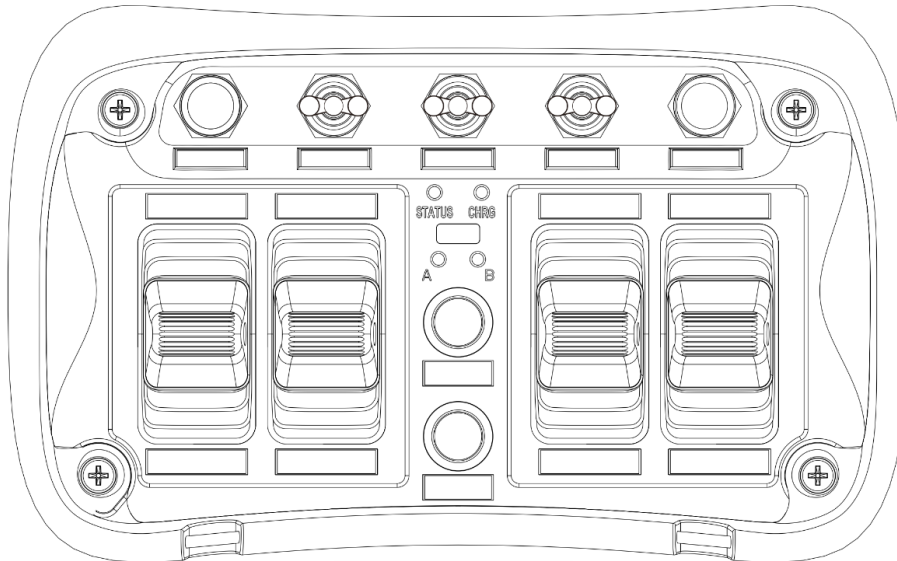
TYPICAL MECHANICAL LAYOUTS

VRX Receiver





ZLTX 3 Lever Configuration



ZLTX 4 Lever Configuration

