

SmaRT Link Booster

Features

- ✓ 900MHz @ 10mW or 2.4GHz @ 100mW RF
- ✓ Able to communicate around obstacles with proper line-of-sight to device positioning
- ✓ Significantly extends the handheld remote and base unit communications link
- ✓ Powered by two Type C alkaline batteries or optional Cervis lithium-ion rechargeable battery pack
- ✓ Magnetic back allows the unit to easily be attached and removed from flat, ferrous surfaces
- ✓ 8-character LED display with diagnostic readouts and a variety of user selectable menu pages
- ✓ Individual handheld remote and base unit transmit (TX) and receive (RX) LEDs
- ✓ Optional steel back-plate adapter fits standard camera-style tripod/support device



The SmaRT Link Booster (SLB) is a line-of-sight communications booster designed to extend the communication range between a 900MHz SmaRT remote control unit and a 900MHz SmaRT base unit or a 2.4GHz SmaRT remote control unit and a 2.4GHz SmaRT base unit. The SmaRT Link Booster is particularly useful when the handheld remote and the base unit are not in line-of-sight of each other, in which case the SLB can be positioned so that it is in line-of-sight of each unit — for instance, at the corner of a structure where the structure would typically block the communications between the handheld and the base unit. In circumstances where line-of-sight is not the issue, the SLB can significantly boost the communications range. The removable swivel antenna can be oriented as vertical, at a 45° angle, or at 90° allowing optimal signal strength.

The Link Booster comes with four (4) magnets installed inside the back of the case that are used to conveniently attach the unit to any ferrous surface. The Link Booster is powered by two (2) type C alkaline batteries or by the rechargeable lithium-ion battery option offered by Cervis. The SLB menu system allows the user to select the type of battery preferred as well as check the battery strength at any given time, scan for an active system, and validate handheld and base unit IDs.

Specifications

Power		Switches	
Operating V	+2V to 4.5VDC	Pushbuttons	Three: On/Off; Menu Up; Menu Down
Batteries	Two C-cell alkaline batteries	Enclosure (Designed to IP67 Standards)	
Option	Cervis charger with 2 rechargeable lithium-ion batteries	Dimensions	6.25 x 3.5 x 3.5625 inch 16.51 x 8.89 x 9.049 centimeters
Environment		Material	High-impact polymer
Operating Temp	-40° to +70°C (-40° to +158°F)	Magnets	Four (4) internal
Storage Temp	-40° to +70°C (-40° to 158°F)	Total Weight	1.6lbs with antenna
Humidity	0 to 100%	External Antenna	
Radio		900MHz	11.875 inch; 30.117cm (extended) 1.75 x 7.1875 inch; 4.445 x 18.256cm (@ 90°)
Frequency	906MHz to 924MHz @ 10mW 2405MHz to 2480MHz @ 100mW	2.4GHz	5.5625 inch; 14.129cm (extended) 1.75 x 4.5 inch; 4.446 x 11.43cm (@ 90°)
License	None required	Indicators (Five LEDs)	
Modulation	Direct-Sequence-Spread-Spectrum (DSSS)	Five LEDs	BU TX, BU RX, HH TX, HH RX, Health
		Display	8-character LED