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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® XLT PLUS 900 MHz RF Signal Strength Tester MODEL 461-0000

DESCRIPTION

The AIR-EAGLE XLT PLUS SIGNAL STRENGTH TESTER is a portable battery powered unit that allows you to test the strength and reliability of your Air-Eagle XLT PLUS 900MHz system. An LCD display provides a bar graph to give a display of relative signal strength and a display of total signal count, missed signals, and missed signal time.

Using the UP/DOWN and SET buttons will allow navigation of the LCD menu. Pressing SET when START is highlighted will start the signal counting process. When the first signal is received the TOTAL count will start to increment. It will continue to increment at a steady rate that matches the transmitter transmission time. If a signal is missed, the MISS counter will increment, and the TIME counter will increment if the maximum missed signal time has been exceeded. This will always display the longest time that signals were missed. Press SET when STOP is highlighted to stop the signal count and freeze the values.

INSTALLATION

1. Install the 2 AA Lithium batteries that were provided.
2. Attach supplied antenna or coax from external high gain antenna to connector on right side of unit.
3. Turn on the power switch below the batteries. Turn the power off when not being used to conserve battery life.



Dimensions (with mounting plate) 6.3" L x 4.8" W x 2.3" H

CONTROLS & INDICATORS



TOTAL	Total number of signals. This increments when counting has STARTed and the first signal is received. It increments in sync with transmission speed, so it will increment even when a signal is missed
MISS	Total number of missed signals. This increments when counting has STARTed and a signal wasn't received in the time that it should have been. You can get missed signal percentage by the formula: (miss/total) * 100
TIME	The longest period of missed signal time (in seconds). When signals are missed this will increment until signals are received again. The largest missed time value will always be shown. This is useful to determine if the receiver needs a longer relay safety delay time.
START/STOP	Use the UP/DOWN buttons to highlight START. Press SET to start counting signals. It will change to STOP when started. Press SET again to stop signal counting.
RESET	Use the UP/DOWN buttons to highlight RESET. Press SET to reset the signal and time counters
FRQ	This is used to change the frequency of the tester to match the transmitter frequency. Use the UP/DOWN buttons to highlight FRQ. Press SET and the number will highlight. Use the UP/DOWN buttons to change the number from 1-7. Press SET to set the frequency. The number will blink and FRQ will be highlighted again. Frequency settings will be held when power is turned off.

AIR-EAGLE® XLT PLUS

900 MHz RF Signal Strength Tester

MODEL 461-0000

SPECIFICATIONS

Power Requirements	3.0 VDC
Battery Type	(2) 1.5V lithium or alkaline each, size AA, to equal 3.0VDC nominal.
Battery Life (Active Usage)	Approximately 3 months
Battery Life (Idle)	Up to 1 Year
Transmitter Channels	7 Independent Network Frequencies
Enclosure	Polycarbonate, IP66 (NEMA 4)
Operating Temperature	-40° F to +185° F

APPROVALS

United States (FCC)	MCQ-XBPSX
Canada (IC)	1846A-XBPSX

LIMITED WARRANTY STATEMENT

BWI Eagle Inc. warrants the Air-Eagle Remote Control System, if properly used and installed, will be free from defects in material and workmanship for a period of 1 year after date of purchase. Said warranty to include the repair or replacement of defective equipment. This warranty does not cover damage due to external causes, including accident, problems with electrical power, usage not in accordance with product instructions, misuse, neglect, alteration, repair, improper installation, or improper testing. This limited warranty, and any implied warranties that may exist under state law, apply only to the original purchaser of the equipment, and last only for as long as such purchaser continues to own the equipment. This warranty replaces all other warranties, express or implied including, but not limited to, the implied warranties or merchantability and fitness for a particular purpose. BWI Eagle makes no express warranties beyond those stated here. BWI disclaims without limitation, implied warranties of merchantability and fitness for a particular purpose. Some jurisdictions do not allow the exclusion of implied warranties so this limitation may not apply to you. To obtain warranty service, contact BWI Eagle for a return material authorization. When returning equipment to BWI Eagle, the customer assumes the risk of damage or loss during shipping and is responsible for the shipping costs incurred.

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