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# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® XLT 900 MHz RF Transceiver MODEL 44-6000-R1-I2-DC

### DESCRIPTION

The AIR-EAGLE XLT RF TRANSCEIVER is a single I/O unit designed to receive a "broadcast" signal from the remote transceiver Model 44-44800-NISSAN which will energize Relay 1. This model also incorporates a dry contact input, which when activated, sends a unique signal to energize Relay 2 in the remote transceiver located up to 2500 feet away. The Air-Eagle XLT TRX is user-programmable for up to seven network frequencies to allow multiple transceivers to operate simultaneously in the same area and utilizes spread-spectrum technology to provide the utmost security and reliability even in the noisiest RF environments. A terminal strip has been provided for interfacing with an external dry contact input and dry contact relay output.

### APPROVALS

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

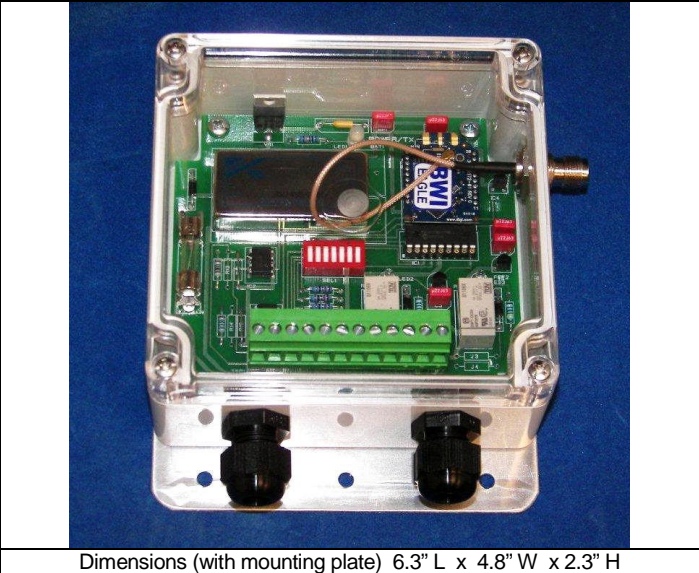
### INSTALLATION

DISCONNECT DC Power from all equipment before installation.

1. Mount the AIR-EAGLE XLT TRANSCEIVER in a convenient location.
2. Install antenna. The unit has an antenna connector located on the right side on the enclosure. Attach the supplied portable antenna to this connector.
3. Connect DC power and control to the proper terminals in your control circuit.

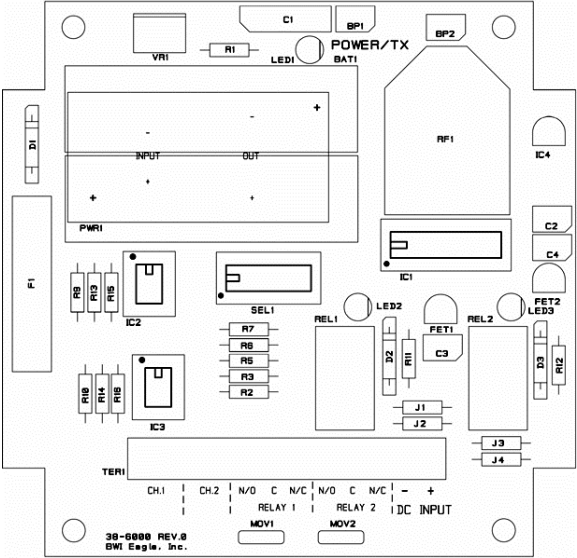
### TERMINAL STRIP WIRING

1	C Input #1	5	N/O Relay #1	11	(-) 9-36VDC INPUT
2	N/O Input #1	6	C Relay #1	12	(+) 9-36VDC INPUT
3	Not Used	7	N/C Relay #1		
4	Not Used	8	Not Used		
		9	Not Used		
		10	Not Used		



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

### CONTROLS AND INDICATORS



LED1	Power / TX LED
LED2	Illuminates when relay #1 is energized
Dry Contact Input 1	Transmits individual RF codes to the receiver
RF1	RF module that receives data from the remote transmitter
REL1	SPDT output control relay
SEL1	Seven dip switches for selecting configuration options and operating frequency

# AIR-EAGLE® XLT

900 MHz RF Transceiver

**MODEL 44-6000-R1-I1DC**

## FREQUENCY SET-UP

The unit is shipped from the factory with SEL1 switches in the open positions. The relay will operate as maintained momentary and unit is receiving commands on frequency one. If you wish to change the default frequency setting, follow the instructions on the table below.

- 1) Remove power from unit
- 2) Remove top cover.
- 3) Select desired address and/or network frequency using table below.
- 4) Reattach cover and apply power.
- 5) Programming is now complete.

### OTHER

SEL1 (SW1-3)	Reserved for future use
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### FREQUENCY SET-UP

SEL1 (SW4-6)	Network Address	SW4	SW5	SW6
	1	OPEN	OPEN	OPEN
	2	CLOSED	OPEN	OPEN
	3	OPEN	CLOSED	OPEN
	4	CLOSED	CLOSED	OPEN
	5	OPEN	OPEN	CLOSED
	6	CLOSED	OPEN	CLOSED
	7	OPEN	CLOSED	CLOSED

### OTHER

SEL1 (SW7)	Reserved for future use
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## SPECIFICATIONS

DC Input	9 – 36 VDC @ 10 Watts
Relay Contact	SPDT 5 amp @ 120VAC or 50VDC
Fuse Protected	1 amp
Transceiver Frequency	900 MHz Spread Spectrum
RF Output Power	100 mW
Transceiver Range	Approximately 2500 feet w/standard antenna
Transceiver Channels	7 Independent Network Frequencies
Antenna Connection	TNC Bulkhead
Operating Temperature	-40° F to +185° F
Enclosure	ABS Plastic, NEMA 3, 3R, 4, 4X, 12, 13
Weight	Approx 2 lbs.

## REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	44-6001-R1-I1
Standard Antenna (Included):	
900MHz Portable Antenna (For distances up to 2500 feet*)	49-1103
Optional Antennas and Accessories:	
900MHz Omni Directional Antenna (For distances up to 2 miles*)	49-3101
900MHz 13dB Yagi Antenna Long Range Operation (For distances up to 4 miles*)	49-3102
Flex Coax Cable w/Connectors	49-4000-XX (XX = # of Feet)
Inline Lightning Arrestor	49-5002
* = Line of Sight	

## 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 of 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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