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# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® SR PLUS 2.4 GHz RF Transmitter MODEL 36-1400-2B-BAT

### DESCRIPTION

The AIR-EAGLE SR PLUS, MODEL 36-1400-2B is an R.F. transmitter capable of sending a command signal from two pushbutton inputs and two contact inputs to the Air-Eagle SR Receiver, model 38-2000 or 38-8000 from up to 1200 feet away. This unit is user-programmable for up to 128 digital addresses and eight network frequencies to allow multiple transmitters and receivers to operate simultaneously in the same area without interference.

### INSTALLATION

1. Mount the AIR-EAGLE SR PLUS TRANSMITTER in a convenient location where the operator will have easy access to all buttons.
2. Remove top cover and install the 2 AA Lithium batteries that were provided. Replace top cover.
3. Attach the supplied portable antenna to the TNC connector on the side of the unit.

### DIGITAL ADDRESS & FREQUENCY SET-UP

This transmitter is factory programmed to Frequency #1 and Digital Address "0". These settings can be changed by the user in any combination **but must match the receiver that is set up to communicate with this transmitter.** **If using this transmitter with a model 38-2000 4-relay receiver, the digital address must be kept at the default of Digital Address "0".**

<ol style="list-style-type: none"> <li>1) Remove power from unit</li> <li>2) Remove top cover.</li> <li>3) Select desired address and/or network frequency using table below.</li> <li>4) Reattach cover and apply power.</li> <li>5) Programming is now complete.</li> </ol>				
SEL1 (ADDRESS)	Seven dip switches for selecting digital address of this transmitter (Maximum of 128 combinations)			
SEL 2 (SW 1-3):  (NETWORK FREQUENCY)	Network Address	SW1	SW2	SW3
	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
8	CLOSED	CLOSED	CLOSED	
SEL2 (SW4)	Reserved for future use			



### TERMINAL STRIP WIRING

Wire as shown based on number of included pushbuttons									
1	2	3	4	5	6	7	8	9	10
Button 1 Common	Button 1 Input	Button 2 Common	Button 2 Input	C Input 3	N/O Input 3	C Input 4	N/O Input 4	Not Used	Not Used

### CONTROLS & INDICATORS

TX LED	Illuminates continuously while button is depressed and unit is transmitting. When this LED blinks briefly following a transmission, the battery needs to be replaced.
Pushbuttons 1 & 2	Transmits to Relays 1 and 2 in the Receiver
Contact Inputs 3 & 4	Transmits to Relays 3 and 4 in the Receiver

# AIR-EAGLE® SR PLUS

2.4 GHz RF Transmitter

**MODEL 36-1400-2B-BAT**

## ADDITIONAL RELAY / FREQUENCY CONTROL

Relays Controlled in Remote Receiver	Frequency	Part Number for Ordering
Relays 1 & 2	1	36-1400-2BR1-2F1-BAT
Relays 3 & 4	1	36-1400-2BR3-4F1-BAT
Relays 5 & 6	1	36-1400-2BR5-6F1-BAT
Relays 7 & 8	1	36-1400-2BR7-8F1-BAT
Relays 1 & 2	2	36-1400-2BR1-2F2-BAT
Relays 3 & 4	2	36-1400-2BR3-4F2-BAT
Relays 5 & 6	2	36-1400-2BR5-6F2-BAT
Relays 7 & 8	2	36-1400-2BR7-8F2-BAT
Relays 1 & 2	3	36-1400-2BR1-2F3-BAT
Relays 3 & 4	3	36-1400-2BR3-4F3-BAT
Relays 5 & 6	3	36-1400-2BR5-6F3-BAT
Relays 7 & 8	3	36-1400-2BR7-8F3-BAT

Continue Part Number Sequence up to Frequency 8...

## APPROVALS

United States (FCC)	OUR-XBEEPRO
Canada (IC)	4214A-XBEEPRO
Europe (CE)	ETSI

## 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
Dry Contact Input	Pre-wired to included pushbuttons
Enclosure	ABS Plastic NEMA 3, 3R, 4, 12 + 13
Transmit Frequency	2.4GHz Spread Spectrum
Transmitter Coding	128 Digital Addresses (Available only when communicating with model 38-8000)
Transmitter Channels	8 Independent Network Frequencies
Antenna Connection	TNC Female
RF Output Power	60 mW
Transmit Range	Approximately 1200 Feet
Operating Temperature	-40° F to +185° F

## REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	36-1402-2B-BAT
Standard Antenna (Included):	
2.4GHz TNC Portable Antenna (For distances up to 1200 feet*)	49-1201
Optional Antennas and Accessories – Used to increase range in both non line of sight and line of sight applications. - Contact BWI Eagle for recommendations	
2.4GHz Thru-Hole Mount Mobile Antenna	49-2201
2.4GHz Magnetic Mount Mobile Antenna	49-2202
2.4GHz Omni Directional Antenna	49-3201
2.4GHz 13dB Yagi Antenna	49-3202
Flex Coax Cable w/Connectors – Connects external antenna(s) to base unit(s).	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 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.

DOCUMENT DATE: 31-Aug-10 / REV.4



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