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# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® SR PLUS 2.4GHz RF Transmitter MODEL 36REB-1500

### DESCRIPTION

The AIR-EAGLE SR PLUS TX is a handheld R.F. transmitter designed to send a single STOP command to the Air-Eagle SR Receiver, Model 38P-2-ESTOP from up to 600 feet away. When powered on, this transmitter begins sending a heartbeat "beacon" signal to the receiver which keeps the receiver's relays in an energized state, thus providing a failsafe link. The receiver's relays will de-energize when the STOP button is depressed OR if the link to the transmitter is lost. To save battery life, this transmitter incorporates an On/Off procedure. Eight user programmable frequencies allow multiple systems to be used simultaneously in the same area.

### INITIAL SET-UP

This transmitter comes ready to operate, with rechargeable batteries installed, and factory programmed to Frequency #1. No setup is necessary. The following steps must be followed to turn system on or off.

**Turn System On:**

Step #1 – Depress and hold Button 1/9 until the TX LED turns GREEN – approximately 3 seconds.

Step #2 – Release Button 1/9. The TX LED will extinguish momentarily, then begin to provide the battery charge status (BATTERY CHARGE STATUS chart).

Step #3 – Once battery charge status has concluded, the TX LED will begin to blink RED a few times a second to show the operator the unit is powered up and transmitting a beacon signal.

**Turn System Off:**

Step #1 – Depress Button 1/9 until the TX LED turns RED - approximately three seconds.

Step #2 - Release Button 1/9. The TX LED will extinguish momentarily, then begin to provide the battery charge status (see chart).

Step #3 – Once battery charge status has concluded, the TX LED will extinguish and the transmitter is now powered off.

### BATTERY CHARGE STATUS

Full	TX LED gives 3 GREEN blinks
Good	TX LED gives 2 GREEN blinks
Low	TX LED gives 2 RED blinks
Charging Required	TX LED gives 10 rapid RED blinks



Dimensions – 5.36" L x 2.92" W x .126/1/04" D  
(note: STOP button adds .73" to length)

### CONTROLS & INDICATORS

TX LED	<p>Illuminates RED continuously while E-Stop button is depressed and unit is transmitting.</p> <p>Also guides user through On/Off Procedure and provides battery charge status (See INITIAL SET-UP &amp; BATTERY CHARGE STATUS sections)</p>
E-Stop Button	Transmits STOP command to the receiver
Pushbutton 1/9	Powers TX On/Off – No other function
Pushbuttons 2/10 thru 8/16	Not used on this model
Pushbutton P/Shift	Puts TX in frequency programming mode (See PROGRAMMING section)

# AIR-EAGLE® SR PLUS

2.4GHz RF Transmitter

**MODEL 36REB-1500**

## OPERATION

Once powered on the transmitter begins sending a beacon signal which keeps the relays in the corresponding receiver energized. Should transmitter go out of range, or batteries die, the beacon signal stops and the relays de-energize. When in range, and during normal operation, pressing the latching E-Stop button will send a command to immediately de-energize the relays in the receiver.

Once depressed, the E-Stop button latches into place, continuously transmitting a Stop command. To release button and stop transmission, this button must be twisted clockwise approximately ¼ turn

## PROGRAMMING

**Please read through these instructions completely before beginning programming procedure!**

At any time, you can check the current frequency setting by depressing the P/Shift button, for approximately 5 seconds, until the TX LED is illuminated "RED". Then release all buttons and watch until the TX LED begins to blink. The TX LED will blink "RED" one, two, three or four times for Frequencies 1 thru 4, or will blink "GREEN" one, two or three times for Frequencies 5 thru 7 accordingly. See table below for clarification.

LED Flashes:	Indicates Unit is Operating On:
RED – one time	Frequency 1
RED – two times	Frequency 2
RED – three times	Frequency 3
RED – four times	Frequency 4
GREEN – one time	Frequency 5
GREEN – two times	Frequency 6
GREEN – three times	Frequency 7
GREEN – four times	Frequency 8

To change the setting, follow these steps:

### To select from Frequencies 1 thru 8:

1. Depress the P/Shift button until the TX LED is illuminated "RED". (Approximately 5 seconds)
2. Release the P/Shift button, then while the TX LED is still illuminated "RED", depress button #1 to select "Frequency 1" or button #2 to select "Frequency 2" etc. If the transmit LED goes out before you have selected a network, no settings will have changed, **and** the LED will blink corresponding to the frequency that the TX is currently set to. You must then begin again at step 1 if you wish to change the current setting.
3. The TX LED will blink to confirm that your frequency selection has been accepted, and then will go out. For instance, if you have selected Frequency #1, the TX LED will blink "RED" *once* to confirm. If you have selected Frequency #6, the TX LED blinks "GREEN" *two times* to confirm.

Programming is now complete and the transmitter is active for normal operation.

You may repeat the above procedure if you wish to change the frequency at any time. See note\* in SPECIFICATIONS.

## SPECIFICATIONS

Keypad	Durable Sealed Membrane Keypad – Eliminates Dust, Dirt and Moisture Failures
Enclosure	ASA/Polycarb Blend – IP54 – <i>Not Water Proof!</i>
Power Requirements	Charging Base to Recharge Internal Batteries
Battery Type	Internal NIMH rechargeable battery pack.
Battery Life (Continuous Usage)	Approximately 1 Week
Battery Life (While Powered OFF)	6-9 Months
Battery Recharge Time	Approximately 4 Hours (See Charger Base Specs)
Transmit Frequency	2.4GHz Spread Spectrum
RF Output Power	60 mW
Transmit Range	Approximately 600 Feet
Operating Temperature	-40° F to +185° F

## APPROVALS

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

## 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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