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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® SR PLUS 2.4 GHz RF Transmitter MODEL 36HJ1-1400

DESCRIPTION

The AIR-EAGLE SR PLUS TX is a handheld joystick-style R.F. transmitter capable of sending two unique digital commands to an Air-Eagle SR Receiver located up to 600 feet away. The TXs and RXs can be combined in any quantity to create a medium range radio frequency system that operates hazardous or hard-to-reach equipment from safe, convenient locations. Eight user-programmable frequencies allow multiple systems to operate simultaneously in the same area without interference. This transmitter will automatically go into “sleep” mode when no buttons are being depressed on the unit to dramatically extend battery life.

INITIAL OPERATION SET-UP

This transmitter comes ready to operate, with batteries installed, and factory programmed to Frequency #1. No setup is necessary unless you wish to change frequencies.

For example, if you are setting up this transmitter to use with an existing system that is operating on Frequency #1, no change in this setting is necessary. However, if you wish to operate this unit with a receiver on another network, follow the programming procedure on the next page to change the frequency setting appropriately.

SPECIFICATIONS

Joystick Enclosure	High Impact Plastic Polymer, Sealing up to IP67
Base Enclosure	Aluminum & Plastic ASA+PC-FR, IP40
Power Requirements	3.0 VDC
Battery Type	(4) 1.5V lithium each, size AA, to equal 3.0VDC nominal. (series/parallel)
*Note: Current frequency settings are maintained in flash memory during battery replacement. No reprogramming of frequency settings is necessary!	
Battery Life(Active Usage)	Up to 6 months
Battery Life(Sleep Mode)	Up to 1 Year
Transmit Frequency	2.4GHz Spread Spectrum
RF Output Power	60 mW
Transmit Channels	Eight Independent Network Frequencies
Transmit Range	Approximately 600 Feet
Operating Temperature	-40° F to +185° F
Approximate Weight	0.22 lbs



1-Button Model Pictured

CONTROLS & INDICATORS

TX LED	LED illuminates “RED” continuously while button is depressed and unit is transmitting. When this LED blinks briefly following a transmission, the battery needs to be replaced. See Note #1
Note #1 – The low battery notification signals have been improved to provide more noticeable indications and to safely disable communications BEFORE a low battery condition can corrupt internal memory causing device failure. When a low battery is first detected, the TX LED will blink several times after all buttons are released. If it is possible to replace the batteries now, please do so. If not, the operator has approximately 15 more button activations. During this time, when a button is depressed and held, the TX LED will blink SLOWLY. The slow blinking will continue several more times after all buttons are released. Transmissions are still being sent to the receiver during this time. When a button is depressed and the TX LED is RAPIDLY blinking, the RF output is disabled and NO signal will reach the receiver. The batteries MUST NOW BE REPLACED to resume normal functions.	
Trigger	Transmits Channel 1 Code
Button 1	Transmits Channel 2 Code

APPROVALS

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

AIR-EAGLE® SR PLUS

2.4 GHz RF Transmitter

MODEL 36HJ1-1400

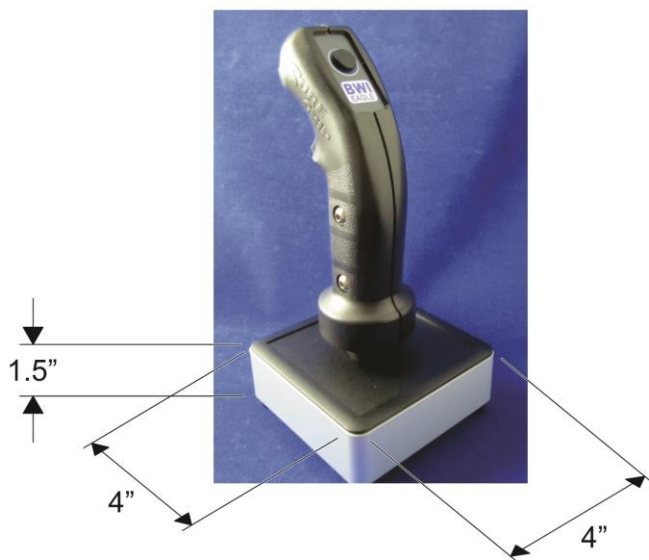
FREQUENCY SET-UP

The unit is shipped from the factory with SEL1 switches in the open positions. The unit will be transmitting on frequency 1. If you wish to change these default settings, follow the instructions on the table below.

- 1) Remove batteries from unit
- 2) Remove the four box screws and pull the joystick plate up.
- 3) Select desired network frequency using table below and the four position DIP Switch (SEL1).
- 4) Re-position joystick plate, install box screws, and insert batteries.
- 5) Programming is now complete.

FREQUENCY SET-UP				
	Network Frequency	SW1	SW2	SW3
SEL1 (SW1-3)	1 (default)	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

DIMENSIONS



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 warranty also does not cover water damage to any handheld transmitter. 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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