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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® SR PLUS

2.4 GHz RF Transmitter

MODEL 36HJ2-1400

DESCRIPTION

The AIR-EAGLE SR PLUS TX IS a compact R.F. transmitter handle capable of sending three 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

Handle 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 alkaline 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	Up to 600 Feet
Note: Max range figures are estimates, based on free-air terrain with limited sources of interference. Actual range will vary based on transmitting power, orientation of transmitter and receiver, height of transmitting antenna, height of receiving antenna, weather conditions, interference sources in the area, and terrain between receiver and transmitter, including, but not limited to, indoor and outdoor structures such as walls, metal objects, trees, buildings, hills, and mountains.	
Operating Temperature	-40° F to +185° F
Approximate Weight	0.22 lbs

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
Button 2	Transmits Channel 3 Code

APPROVALS

United States (FCC)	MCQ-XBEE3
Canada (IC)	1846A-XBEE3
Europe (CE)	ETSI
Australia	RCM
Brazil	ANATEL 06329-18- 01209

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FREQUENCY PROGRAMMING

Please read through these instructions completely before beginning programming procedure!

All transmitters are set to Frequency #1 by default. The frequency can be changed at any time by following the procedure below. Once changed, we recommend labeling the transmitter with the selected frequency number as there is no way to determine the current frequency setting. If unsure of a transmitter's frequency, one must follow the programming procedure to set as desired. Frequency settings will not be changed during normal battery replacement.

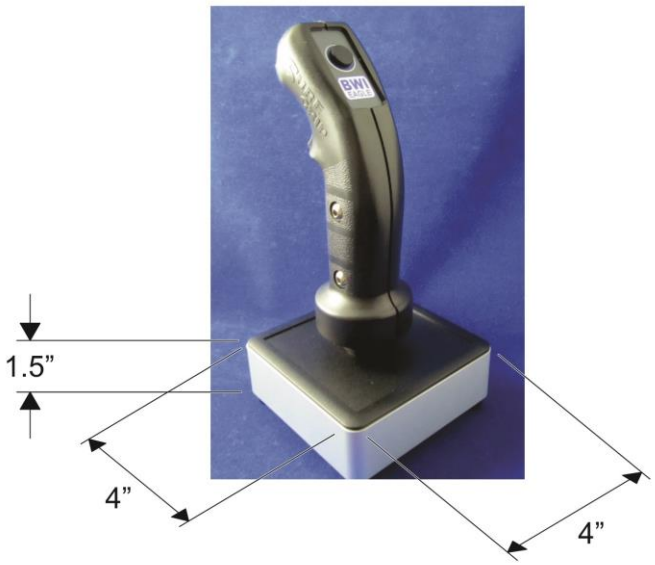
The TX LED guides you through the programming procedure. To change the setting, follow these steps:

To select from Frequencies 1 thru 8:

1. Remove the battery cover from the bottom of the transmitter
2. Remove ONE of the batteries from the holder (be sure to note polarity so it is re-inserted properly in the following steps)
3. Using one hand, pull in trigger and depress and hold down Button 1 on the transmitter. While keeping trigger engaged and button held down, re-insert the battery into the holder.
4. Keep trigger engaged, button depressed and battery in holder for approximately 5 seconds until the LED turns **RED.**
5. Release trigger and button and quickly pull in the trigger the number of times equal to the frequency setting desired.
6. Once you stop pressing for three seconds, the LED will blink back the number of times of the frequency it's set to confirm your selection (see chart below).
7. If you didn't make the proper frequency selection, you must repeat the procedure.

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
RED – five times	Frequency 5
RED – six times	Frequency 6
RED – seven times	Frequency 7
RED – eight times	Frequency 8

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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