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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® SR PLUS
2.4 GHz RF Transmitter
MODEL 36-HH-4-VBR

DESCRIPTION

The AIR-EAGLE SR PLUS TX IS a handheld R.F. transmitter capable of sending up to four unique digital commands to an Air-Eagle SR Receiver located up to 600 feet away. This model is equipped with a vibrating feedback that confirms to the user that the transmitted signal has reached the receiver. 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

Keypad	Durable Sealed Membrane Keypad – Eliminates Dust, Dirt and Moisture Failures	
Enclosure	ABS UL94 HB	Enclosure with ring is rated IP54 *Not Waterproof
Protective Ring	SEBS (TPE)	
Power Requirements	3.0 VDC	
Battery Type	(2) 1.5V lithium each, size AAA, to equal 3.0VDC nominal.	
***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	.22 lbs (w/belt clip?	

Dimensions – 4.25" L x 2.68" W x .91" D
(note: belt clip adds .43" to depth)

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.	
Pushbuttons 1 thru 4	Transmits individual button RF codes to the receiver
Vibrate Alert	Vibration confirming that signal has been transmitted successfully

APPROVALS

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

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PROGRAMMING

Please read through these instructions completely before beginning programming procedure!

*At any time, you can check the current frequency setting by depressing Buttons 3 & 4 simultaneously, for approximately 4 seconds, until the TX LED is illuminated "**RED**". Then release the 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, three or four times for Frequencies 5 thru 8 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 4:

1. Depress Buttons 3 & 4 simultaneously until the TX LED is illuminated "**RED**". (Approximately 4 seconds)
2. Release Buttons 3 & 4, 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 #4, the TX LED blinks "**RED**" *four times* to confirm.

To select from Frequencies 5 thru 8:

1. Depress Buttons 3 & 4 simultaneously until the TX LED is illuminated "**GREEN**". (Approximately 7 seconds)
2. Release Buttons 3 & 4, then while the TX LED is still illuminated "**GREEN**", depress button #1 to select "Frequency 5" or button #2 to select "Frequency 6" 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 #5, the TX LED will blink "**GREEN**" *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.

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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