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# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® XLT 900 MHz RF Transmitter MODEL 44-HH-4-VBR

### DESCRIPTION

The AIR-EAGLE XLTTX is a handheld R.F. transmitter capable of sending up to four unique digital commands to any Air-Eagle XLT Receiver. This model is equipped with a vibrating feedback that confirms to the user that the transmitted signal has reached the receiver. Any number of transmitters and receivers can be combined to create a long-range radio frequency system that operates hazardous or hard-to-reach electrical apparatus from safe, convenient locations of up to 2500 feet away. Seven user-programmable frequencies allow multiple transmitters and receivers to operate simultaneously in the same area without interference.

### 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<br>*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.                   |  |
| <b>*Note: Current frequency settings are maintained in flash memory during battery replacement. No reprogramming of frequency settings is necessary!</b>  |  |  |
| Battery Life(Active Usage)  | Up to 3 months   |  |
| Battery Life(Sleep Mode)  | Up to 6 months   |  |
| Transmit Frequency  | 900 MHz Spread Spectrum  |  |
| RF Output Power   | 250 mW   |  |
| Transmit Channels   | Seven Independent Network Frequencies  |  |
| Transmit Range  | Up to 2500 Feet  |  |
| <small>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</small> |  |  |
| Operating Temperature   | -40° F to +185° F  |  |



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. <b>See Note #1</b> |
| <b>Note #1</b> – 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   |

# AIR-EAGLE® XLT

900 MHz RF Transmitter

MODEL 44-HH-4-VBR

## 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 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, three or four 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                     |

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.

## APPROVALS

|                     |               |
|---------------------|---------------|
| United States (FCC) | MCQ-XB900HP   |
| Canada (IC)         | 1846A-XB900HP |

## 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.

DOCUMENT DATE: 03/08/2021 / PRODUCT REV. 11



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