



238 Pillow Street
Butler, PA 16001
724-283-4681
724-283-5939 (fax)
www.bwieagle.com

PRODUCT INFORMATION BULLETIN

AIR-EAGLE® XLT 900MHz RF Transmitter MODEL 44-1300 Series 3

DESCRIPTION

The AIR-EAGLE XLT TX is a handheld R.F. transmitter capable of sending up to sixteen unique digital commands to two model 44-2000 Air-Eagle XLT Receivers. The transmitter can directly operate relays in the receiver(s) up to 2500 feet away, line of sight. (Note - longer distances and increased range around corners and obstacles may be obtained with use of an Air-Eagle XLT Repeater, model 44-4500) This model is designed with four network frequencies, which allows multiple transmitters and receivers 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 Network #1. No setup is necessary unless you wish to change the network setting.

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

PROGRAMMING

Please read through these instructions completely before beginning programming procedure. At any time, you can check the current network setting by depressing Button 9 continuously until the TX LED is on. (Approx 4 seconds) then release all buttons and watch until the TX LED begins to blink. The TX LED will flash one, two, three or four times, directly corresponding to the current network setting. To change the setting, follow these steps:

- Depress Button 9 (pgm) continuously until the TX LED is on. (Approximately 4 seconds)
- Release Button 9, then while the TX LED is still illuminated, depress and hold button #1 to select "Network 1" or button #2 to select "Network 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 network that the TX is currently set to. You must then begin again at step 1 if you wish to change the current setting.
- The TX LED will blink to confirm that your network selection has been accepted, and then will go out. For instance, if you have selected Network #1, the TX LED will blink *once* to confirm. If you have selected Network #4, the TX LED blinks *four times* to confirm. Once the TX LED has gone out, you may release the button.
- Programming is now complete and the transmitter is active for normal operation.
- Repeat the above procedure if you wish to change network settings at any time. See note* in SPECIFICATIONS.



CONTROLS & INDICATORS

TX LED	Illuminates continuously while button is depressed and unit is transmitting. When this LED becomes dim, the battery needs to be replaced. See note*
Pushbuttons 1 thru 8	Transmit individual or dual button RF codes to the receiver. Provides dual relay activation when two buttons (in differing columns) are depressed simultaneously. If two buttons in the same column are depressed, no relays will activate. See examples below:
Pressing Buttons 1 & 2 Simultaneously	Relays 1 and 2 energize
Pressing Buttons 1 & 5 Simultaneously	Relays 1 and 5 energize
Pressing Buttons 1 & 4 Simultaneously	Buttons are in same "column" – no relays will energize
Pressing Buttons 2 & 6 Simultaneously	Relays 2 and 6 energize
Pushbutton P/Shift	The P/Shift button performs two functions: 1. If button is depressed momentarily and another button is then pressed within 3 seconds, the higher code for that button is transmitted. This allows for transmission of pushbutton codes 9 thru 16. 2. If button is depressed for longer than 3 seconds, the transmitter will enter "programming" mode. See PROGRAMMING section.
Pushbuttons 9 thru 16	Used to communicate with a second receiver – will activate Relays 1 thru 8 INDIVIDUALLY in the second receiver (no dual relay activation capability)

AIR-EAGLE® XLT

900MHz RF Transmitter

MODEL 44-1300 Series 3

APPROVALS

United States (FCC)	OUR-9XSTREAM
Canada (IC)	4214A-9XSTREAM

SPECIFICATIONS

Power Requirements	6 VDC
Battery Type	(4) 1.5V alkaline each, size AAA , to equal 6.0VDC nominal.
*Note: Current network settings are maintained in flash memory during battery replacement. No reprogramming of network settings is necessary!	
Battery Life (Active Usage)	Up to 90 days
Battery Life (Sleep Mode)	Up to 9 Months
Transmit Frequency	900MHz Spread Spectrum
RF Output Power	100 mW
Transmit Coding	Four independent networks
Transmit Range	Approximately 2500 feet (line of sight)

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 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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