



105 Bonnie Drive  
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## PRODUCT INFORMATION BULLETIN

### AIR-EAGLE® SR PLUS 2.4 GHz RF Transmitter MODEL 36-1200-120VAC

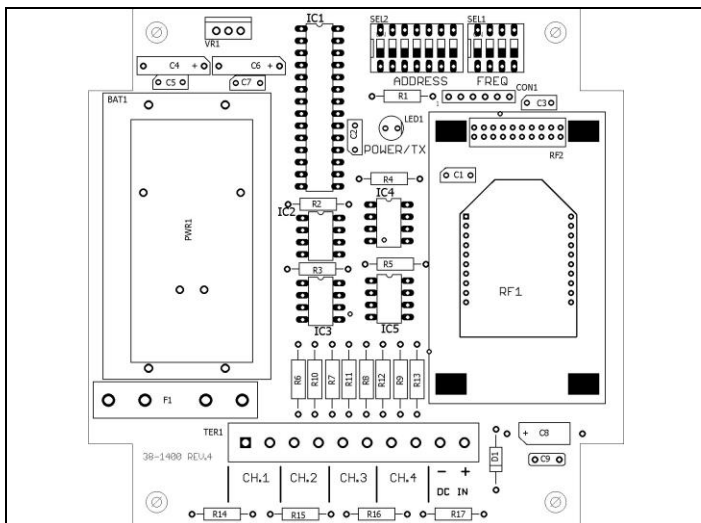
#### DESCRIPTION

The Air-Eagle SR PLUS, MODEL 36-1200-VAC is an R.F. transmitter designed to send a single stop command to any Air-Eagle SR Receiver from up to 600 feet away. Any number of transmitters and receivers can be combined to create a remote control system. This unit has eight user-selectable network frequencies to allow multiple systems to operate simultaneously in the same area without interference.

#### INSTALLATION

1. Mount the Air-Eagle SR PLUS TRANSMITTER in a convenient location where the operator will have easy access to the stop button.
2. Install Ch. 2-4 wiring to contact input terminal strip if desired.
3. Install antenna onto connector on the right side of the enclosure.
4. Plug supplied AC wall adapter into AC outlet.

#### TERMINAL STRIP WIRING



Wire as shown based on number of contact inputs

| 1                                  | 2         | 3       | 4         | 5       | 6         | 7       | 8                                             | 9                                             | 10 |
|------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------------------------------------------|-----------------------------------------------|----|
| E-Stop Button Pre-Wired to Input 1 | C Input 2 | Input 2 | C Input 3 | Input 3 | C Input 4 | Input 4 | (-) 12VDC input from included AC wall adapter | (+) 12VDC input from included AC wall adapter |    |



Dimensions (with mounting plate) 6.3" L x 4.8" W x 4.3" H

#### CONTROLS & INDICATORS

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| PWR/TX LED        | Illuminates green continuously while power is applied. Changes to red when transmitting data. |
| STOP Pushbutton   | Transmits CH1 RF "STOP" code to receiver                                                      |
| Inputs 2, 3 and 4 | Independently transmit CH2, CH3 and CH4 codes to receiver                                     |

#### FREQUENCY SET-UP

The unit is shipped from the factory with all SEL2 switches in the open positions. By default, it is operating on Frequency #1. If you wish to change the frequency, follow the instructions on the table below.

- 1) Remove power from unit and take cover off.
- 2) Select desired frequency using table below.
- 3) Reattach cover and apply power. Programming is now complete.

| FREQUENCY SET-UP    |                   |        |        |        |
|---------------------|-------------------|--------|--------|--------|
| SEL1<br>(SW1-3)     | Network Frequency | SW1    | SW2    | SW3    |
|                     | 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 |
| Note – SW4 not used |                   |        |        |        |

# AIR-EAGLE® SR PLUS

2.4 GHz RF Transmitter

**MODEL 36-1200-120VAC**

## APPROVALS

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

## SPECIFICATIONS

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| AC Input               | 100-240 VAC, 16 W, 50/60 Hz from supplied wall adapter |
| Transmit Frequency     | 2.4GHz Spread Spectrum                                 |
| RF Output Power        | 60 mW                                                  |
| Transmit Range         | Approximately 600 Feet                                 |
| Transmit Data Channels | Four Dry Contact Input                                 |
| Frequency Channels     | 8 Independent Network Frequencies                      |
| Antenna Connection     | TNC Female                                             |
| Enclosure              | Polycarbonate, NEMA 4, IP66                            |
| Operating Temperature  | -40° F to +185° F                                      |
| Weight                 | Approx 1.82 lbs.                                       |

## REPLACEMENT PARTS & ACCESSORIES

|                                                                                                                                                                 |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| PC Board (Main)                                                                                                                                                 | 36-1202-DC                     |
| Standard Antenna (Included):                                                                                                                                    |                                |
| 2.4GHz TNC Portable Antenna (For distances up to 600 feet*)                                                                                                     | 49-1201                        |
| Antenna Extender                                                                                                                                                |                                |
| TNC Bulkhead Antenna Extension Cable (2 Ft) - Used to Mount Supplied Antenna on Exterior of Cabinet                                                             | 49-5004-2-ISO                  |
| Optional Antennas and Accessories –<br>Used to increase range in both non line of sight and line of sight applications. - Contact BWI Eagle for recommendations |                                |
| 2.4GHz Thru-Hole Mount Mobile Antenna                                                                                                                           | 49-2201                        |
| 2.4GHz Magnetic Mount Mobile Antenna                                                                                                                            | 49-2202                        |
| 2.4GHz Omni Directional Antenna                                                                                                                                 | 49-3201                        |
| 2.4GHz 13dB Yagi Antenna                                                                                                                                        | 49-3202                        |
| Flex Coax Cable w/Connectors – Connects external antenna(s) to base unit(s).                                                                                    | 49-4000-XX<br>(XX = # of 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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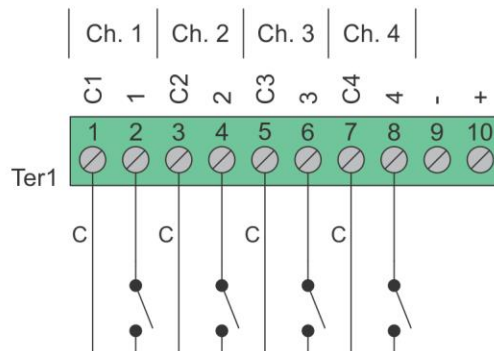


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## DRY CONTACT INPUT WIRING 4-Input Transmitter

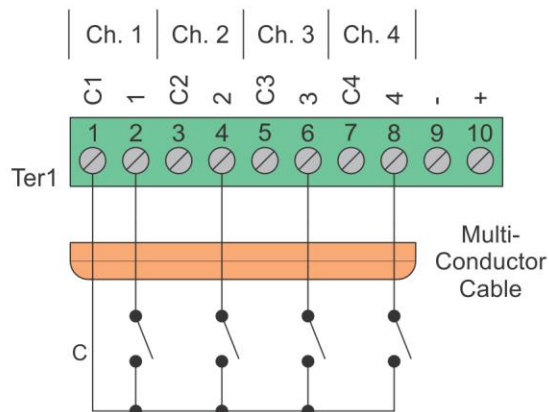
### Standard wiring of a dry contact input transmitter

Shorting together the contacts of the respective channel will cause it to transmit. This can be done with any type of manual or automatic switch.



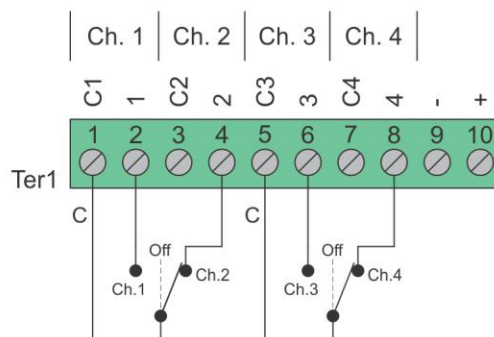
### Standard Wiring for Common Ground Applications

Because each channel shares a common (C) terminal, inputs can be wired as shown to allow for fewer conductors to be run to the transmitter.



### SPDT Switches

The common (C) terminal of the switch only needs to be connected to one of the channels ground terminal. In this configuration two channels would be transmitting all the time. A switch with a center "off" position would allow transmitting to stop. In this example channels 2 and 4 are transmitting.



Wiring configurations shown here are examples. The wiring for your application may differ.  
Call BWI Eagle for assistance or consult an electrician.