

# FMX1 Transceiver Quick Start Guide



- STEP 1** Connect Antenna to SMA Connector
- STEP 2** Set configuration \*see reverse side
- STEP 3** Connect power, data, communications inputs to the supplied Hirose DF13 mating connector  
\*see reverse side

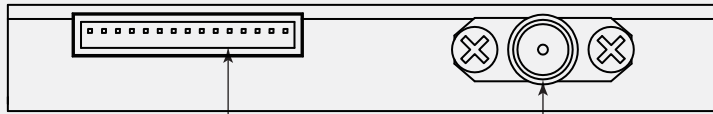
**Note** When setting up your system, the transceivers antennas should be greater than 25 feet apart to prevent serious damage to or destruction of the receiver front end



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## Wiring Your FMX1 Transceiver



Hirose DF13:	
Power/Data/Programming	
Red	1: +9 to 16 VDC Input
Black	2: GROUND
Green	3: TX COMM +
Green/White	4: NC/TX COMM -
Blue	5: RC COMM +
Blue/White	6: NC/RX COMM-
Black	7: GROUND
Brown	8: RS232-DATA-TX +
Brown/White	9: TTL-DATA-TX-
Violet	10: RS232-DATA-RX +
Violet/White	11: TTL-DATA-RX -
Black	12: GROUND
Orange	13: LINK STATUS
White	14: RF ENABLE
Gray	15: PA TX/RX

**SMA Female**  
RF Input/Output  
(Connect to Antenna)

*NC = No Connection*

## How to Set Your Transceiver Configuration

The FMX1 transceiver has 15 pre-set configurations available for local selection via the rotary switch located on the lid. Transceivers ship from the factory with the 15 pre-sets configured with all options “ON” and set to their max settings with the frequencies set per the table below. Pre-sets may be changed as outlined in the ICD (Interface Control Document) via the communications port. Pre-sets are reprogrammable using Remote Mode, selected when the rotary switch is set to zero. “Remote Only” FMX1 transceivers do not have a rotary switch installed. See the product manual for more details.

### Frequency Band

	43	86	91	
"Config Select" Preset	<b>1</b>	433.0 MHz	868.0 MHz	902 MHz
	<b>2</b>	433.1 MHz	868.1 MHz	904 MHz
	<b>3</b>	433.3 MHz	868.3 MHz	906 MHz
	<b>4</b>	433.4 MHz	868.4 MHz	908 MHz
	<b>5</b>	433.5 MHz	868.6 MHz	909 MHz
	<b>6</b>	433.6 MHz	868.7 MHz	911 MHz
	<b>7</b>	433.8 MHz	868.9 MHz	913 MHz
	<b>8</b>	433.9 MHz	869.0 MHz	915 MHz
	<b>9</b>	434.0 MHz	869.1 MHz	917 MHz
	<b>A</b>	434.2 MHz	869.3 MHz	919 MHz
	<b>B</b>	434.3 MHz	869.4 MHz	921 MHz
	<b>C</b>	434.4 MHz	869.6 MHz	922 MHz
	<b>D</b>	434.5 MHz	869.7 MHz	924 MHz
	<b>E</b>	434.7 MHz	869.9 MHz	926 MHz
	<b>F</b>	434.8 MHz	870.0 MHz	928 MHz