

JM912  
Radio Control  
Instruction Manual

**INTRODUCTION**

Thank you for purchasing the JM912 digital proportional R/C system. In order for you to make the best use of your system and to use it safely, please read this manual carefully. If you have any difficulties while using your system, please consult the manual, our online Frequently Asked Questions (on the web pages referenced below), your hobby dealer, or the Hobbico Service Center.

**Owner's Manual and Additional Technical Help**

This manual has been carefully written to be as helpful to you, the new owner, as possible. There are many pages of setup procedures and examples. However, it need not be your sole resource of setup guidelines. For example, the back cover includes a quick-start set of instructions and the Frequently Asked Questions web page referenced below includes this type of step-by-step setup instructions for a variety of other model types.

Due to potential unforeseen changes in production procedures, the information contained in this manual is subject to change without notice. No part of this manual may be reproduced in any form, at any time, without prior permission.

**Support and Service:** It is recommended to have your Hobbico equipment serviced annually during your hobby's "off season" to ensure safe operation.

Please feel free to contact the Hobbico Service Center for assistance in operation, use and programming. Please be sure to regularly visit the Frequently Asked Questions web site referenced below. This page includes extensive programming, use, set up and safety information on your radio system and is updated regularly. Any technical updates and US manual corrections will be available on this web page. If you do not find the answers to your questions there, please see the end of our F.A.Q. area for information on contacting us via email for the most rapid and convenient response.

**Hobbico Service Center  
3002 N. Apollo Drive Suite 1  
Champaign, IL 61822  
TEL(217)398-8970, FAX(217)398-7721**

**HOW TO ACCESS to FAQ:**

To be determined

**The product is subject to regulations of the FCC and is restricted  
under United States law to such purposes.**

**(See end of this manual for detail)**

## *Physical Description*

### ***JM912 (Transmitter)***

#### *PIN ASSIGNMENT*

Back side of the JM912

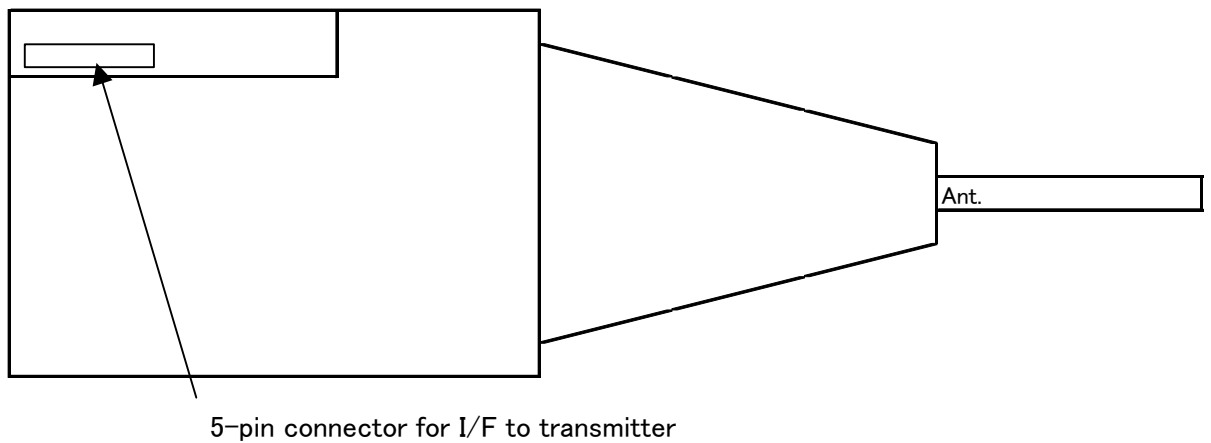


Fig.1 JM912 communication port location

1. Plug the JM912 into your transmitter.
2. Turn the transmitter on and please check the LED on the JM912 become solid green when it's normally operated.
3. Never point the antenna to the model when flying.

### ***Frequency Allocation***

The JM912 can operate on 36 available frequencies between 2405.376 MHz and 2479.104 MHz with 2.048 MHz separation between each frequency. See the table below for the exact frequency assignments.

Table 1 : Frequency Channel

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
02	2405.376	38	2442.240
04	2407.424	40	2444.288
06	2409.472	42	2446.336
08	2411.520	44	2448.384
10	2413.568	46	2450.432
12	2415.616	48	2452.480
14	2417.664	50	2454.528
16	2419.712	52	2456.576
18	2421.760	54	2458.624
20	2423.808	56	2460.672
22	2425.856	58	2462.720
24	2427.904	60	2464.768
26	2429.952	62	2466.816
28	2432.000	64	2468.864
30	2434.048	66	2470.912
32	2436.096	68	2472.960
34	2438.144	70	2475.008
36	2440.192	72	2477.056
		74	2479.104

## ***Specification***

### JM912 SPECIFICATIONS

#### 1 Radio Characteristics

RF power output	100mW EIRP
Modulation	Direct-Sequence Spread-Spectrum
Frequency band	2405.376MHz - 2479.104MHz
Channel	36
Antenna	$1/2 \lambda$ Pencil type antenna 2.0dBi

#### 2 Radio communication control

Error checking	CRC-CCITT
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#### 3 Terminal interface

Physical interface	5 pins
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#### 4 Power Supplying

Supply voltage	9.6V DC
Current consumption	150 mA(Approx.)

#### 5 Environmental

Operating temperature	-10 to +60 °C
Storage temperature	-20 to +70 °C

#### 6 Miscellaneous

Indicator	2 color LED
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# INSTRUCTIONS MANUAL

## FEDERAL COMMUNICATIONS COMMISSION

### INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which it found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet other than the receiver's
- Consult the dealer or an experienced radio/TV technician for assistance.

#### CAUTION:

To assure continued FCC compliance:

- (1) Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

#### FCC Label Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### Exposure to Radio Frequency Radiation

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.