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hobbydrone 2 IN 1 Repeater Better Wireless Range Instruction Manual

Contents

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 hobbydrone 2 IN 1 Repeater Better Wireless Range

Specifications:

- Voltage input: 2-6S Lipo
- RC IN Protocol: SBUS/CRSF, auto detection
- Video: 1.2G to 5.8G
- 5.8G VTX: 1.2W 48CH

Product Usage Instructions

Radio System:

1. Solder the receiver with duppond cable, plug the receiver to the repeater.
2. Plug the ELRS/CRSF TX module to the repeater.
3. Bind the radio with receiver on repeater.
4. Bind the ELRS/CRSF TX module on repeater with drone receiver.

Video System:

1. Set the 1.2G VRX to match the CH on drones.

How to Change the CH:

- Hold the button for 2 seconds to enter setting mode. Press the button to change CH. If there is no button control for 3 seconds, the VRX will save and exit the setting mode.
- For stock antenna, it is suggested to use CH4/5/6/8 for the best range.

VTX Setting:

Set the 5.8G VTX to match with the Goggles or ground station.

FAQ:

- **How do I change the VTX settings?**

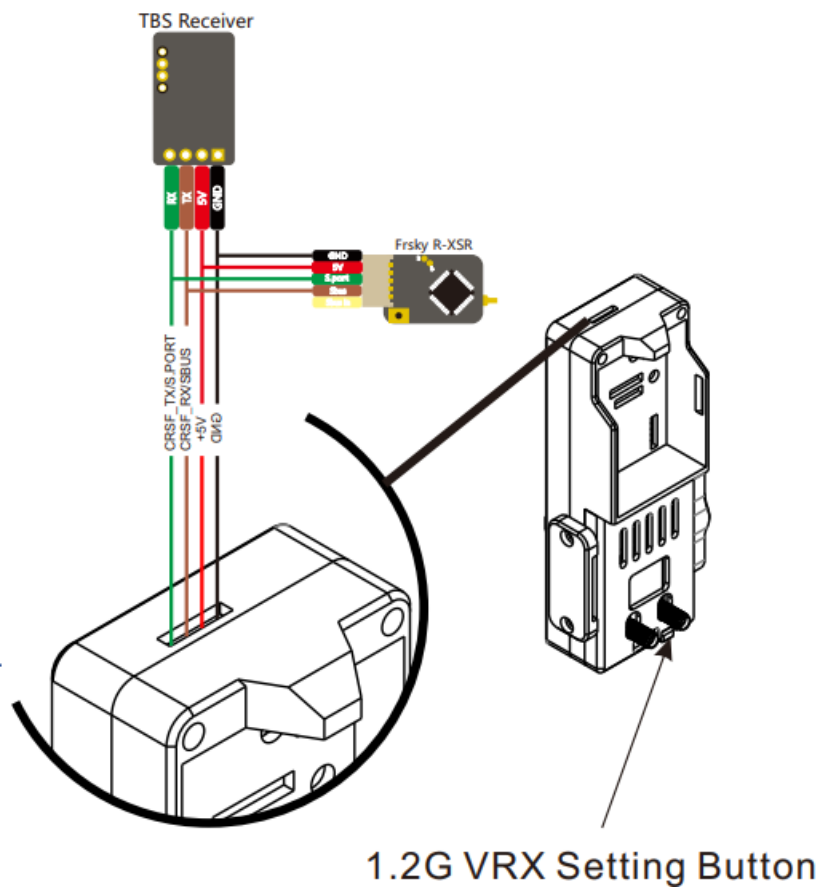 To change VTX settings, follow these steps:

  1. Hold the button for 3 seconds to enter setting mode.
  2. In setting mode, short press the button to change the band.
  3. Hold the button for 3 seconds to enter CH setting mode, then short press the button to change the channel.
  4. To adjust power settings, hold the button for 3 seconds. A short bar on LED will indicate power levels – 1 bar for 200mW, 2 bars for 800mW, and 3 bars for 1200mW.

2 IN 1 Repeater Manual

Specs

- Voltage input: 2-6S Lipo
- RC IN Protocol: SBUS/CRSF, auto detection
- Video: 1.2G to 5.8G
- 5.8G VTX: 1.2W 48CH

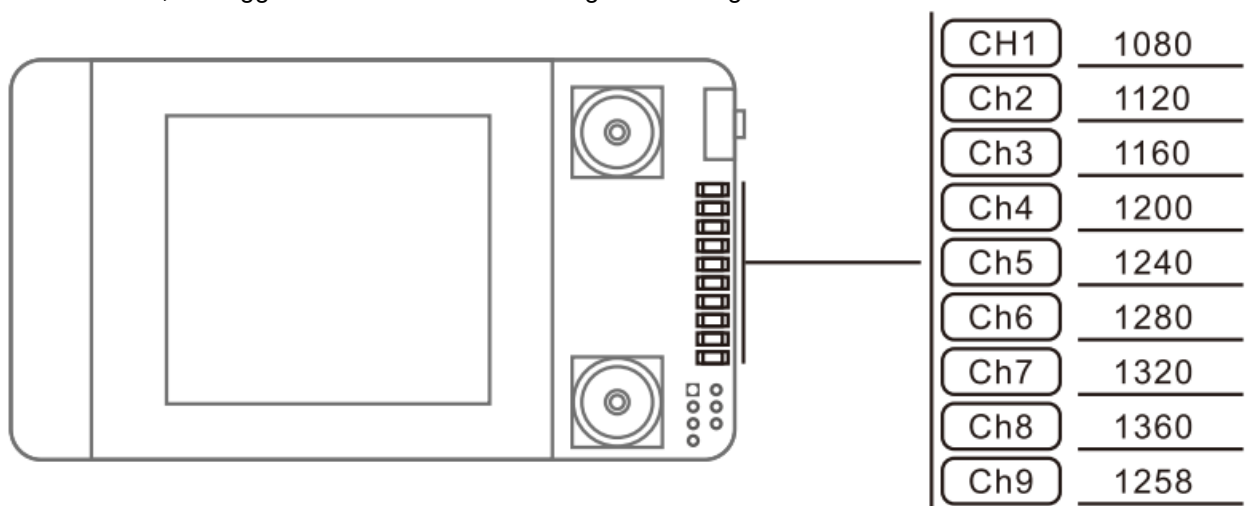## How to use

Radio System:

1. Solder the receiver with despond cable, plug the receiver to the repeater
2. Plug the ELRS/CRSF TX module to the repeater
3. Bind the radio with receiver on repeater
4. bind the ELRS/CRSF TX module on repeater with drone receiver

TBS Receiver

Frsky R-XSR

1.2G VRX Setting Button

Video System:

1. Set the 1.2G VRX to matched the CH on drones How to change the CH: Hold the button for 2s to in to setting mode, press the button to change CH, no button control for 3s,the vrx will save and quit the setting mode

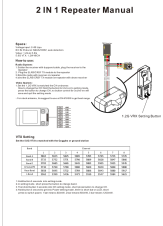For stock antenna, its suggest to use at CH4/5/6/8 to get best range.

CH1	1080
Ch2	1120
Ch3	1160
Ch4	1200
Ch5	1240
Ch6	1280
Ch7	1320
Ch8	1360
Ch9	1258

VTX Setting
Set the 5.8G VTX to matched with the Goggles or ground station

Band	Channel							
	1	2	3	4	5	6	7	8
Band A	5865	5845	5825	5805	5785	5765	5745	5725
Band B	573	5752	5771	5790	5809	5828	5847	5866
Band E	5705	5685	5665	5645	5885	5905	5925	5945
Airwave/FS	5740	5760	5780	5800	5820	5840	5860	5880
Race Band	5658	5695	5732	5769	5806	5843	5880	5917
L Band	5362	5399	5436	5473	5510	5547	5584	5621

1. Hold button 3 seconds into setting mode.
2. In setting mode. short press the button to change band.
3. Then hold button 3 seconds into CH setting mode, short press button to change CH.
4. Hold button 3 second to get into Power setting mode, there is short bar on LED, short press to switch power, 1 bar means 200mW, 2 bar means 800mW, 3 bar means 1200mW.

Documents / Resources

hobbydrone 2 IN 1 Repeater Better Wireless Range [pdf] Instruction Manual
2 IN 1 Repeater Better Wireless Range, Better Wireless Range, Wireless Range

References

- **User Manual**