2.4GHz 6-Channel Receiver

Capable of full range control, this Tower Hobbies 6 channel receiver is great for small electric and sport aircraft. It's compatible with all Tower Hobbies and Tactic® brand 2.4GHz aircraft transmitters having the SLT protocol, and other brand radios having the SLT protocol.

OVERVIEW AND INSTALLATION

To install the receiver inside the aircraft, refer to the instructions included with the aircraft. It's a good idea to wrap the receiver in protective material such as foam, and use double-sided tape or hook-and-loop material to mount it to the model.

IMPORTANT! Keep the antenna unobstructed from the outside of the model as much as possible. Install the receiver and antenna in a position for optimum signal reception from the transmitter.

LINKING THE RECEIVER TO THE TRANSMITTER

Linking the receiver to the compatible transmitter creates an interference-free communication between the two, preventing the receiver from seeing signals from other transmitters.

1. Turn the transmitter power switch ON.
2. Turn the receiver's power ON.
3. If the receiver's LED flashes once and then stays on it should already be linked to the transmitter; skip to the next section. Otherwise, press the receiver's “LINK” button with a small diameter screwdriver or other device until the LED turns on for about one second and then turns off. Then release the LINK button.
4. The Rx LED will flash once and then remain ON if a solid link is established between the transmitter and receiver.
5. Test the transmitter/receiver system for proper functionality. If the system doesn't function together properly repeat steps 1—4 above.

If power is applied to the receiver, but power is NOT applied to the transmitter or the receiver doesn't recognize the signal from the transmitter, the receiver will automatically go to failsafe mode as described in the next section.
FAILSAFE FUNCTION

The failsafe function in the Tower Hobbies 2.4GHz aircraft radio system is controlled by the receiver. If the signal from the Tx somehow becomes interrupted, channels 1, 2, 4, 5, and 6 for this receiver will hold their last recognized position. However, throttle channel 3 can be set by the user to move to a specific position. The factory default failsafe position for channel 3 is to move to 0% throttle. Setting of the failsafe is done during the linking process, as follows:

1. It’s very important for the throttle channel’s reverse setting to be in the correct position for the application before setting the failsafe.

2. First turn on the transmitter’s power switch. Then turn on power to the receiver.

3. If using an ESC in the model do NOT arm the ESC, or adjust the throttle’s failsafe position if the ESC is armed. If the ESC includes a feature that automatically sets the throttle’s position if the signal from the transmitter is lost, the ESC’s failsafe function will be ignored because the receiver’s failsafe function will activate first. If the model includes a combustion engine, do NOT adjust the throttle’s failsafe position while the engine is operating.

4. Move the transmitter’s throttle stick to the chosen failsafe position.

5. Press and hold the “LINK” button in the receiver. After the receiver’s LED blinks twice, release the LINK button. The LED should now stay on constantly. The transmitter and receiver should now be linked, and the throttle failsafe position should now be set.

6. Before attempting a flight, make sure the failsafe function works properly. Remove the propeller from the aircraft before checking the failsafe. Apply power to the transmitter and receiver and make sure all channels function. Then turn the transmitter power switch off. Make sure all channels hold their last position, and the throttle channel deflects to the position as chosen above.

RANGE CHECK

Always perform a range check to ensure a good link exists between the transmitter and receiver. Refer to the instruction manual included with the Tower Hobbies radio for the proper way to perform a range check of the radio system.

WARNING! Never turn on power to the receiver before applying power to the transmitter! Always make sure the transmitter’s throttle stick is at minimum (idle) position. Failure to follow these steps can cause the model to become uncontrollable and pose a safety hazard.

FCC 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

SPECIFICATIONS

- Channels: 6
- Modulation: SLT 2.4GHz FHSS
- Receiving frequencies: 2.403 – 2.480GHz
- Input power requirement: 4.0 – 6.0 volts
- Compatibility: Tower Hobbies and Tactic brand 2.4GHz or SLT 2.4GHz transmitters
- Range: full range
- FailSafe: throttle position user selectable, other channels hold
- Dimensions: 1.8 x 1.0 x 0.5" (45 x 26 x 13mm)
- Weight: 0.29 oz. (8.3g)

1-YEAR WARRANTY

Tower Hobbies warrants this product to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. During that period, Tower Hobbies will, at its option, repair or replace without service charge any product deemed defective due to those causes. You will be required to provide proof of purchase (invoice or receipt). This warranty does not cover damage caused by abuse, misuse, alteration or accident. If there is damage stemming from these causes within the stated warranty period, Tower Hobbies will, at its option, repair or replace it for a service charge not greater than 50% of its then current retail list price. Be sure to include your daytime telephone number in case we need to contact you about your repair. This warranty gives you specific rights. You may have other rights, which vary from state to state.

For service on your Tower Hobbies product if purchased in the U.S.A. or Canada, send it postpaid and insured to:

HOBBY SERVICES
3002 N. Apollo Dr., Suite 1
Champaign, IL 61822
Tel: (217) 398-0007  (9:00am - 5:00pm CST, M-F)
E-mail: hobbyservices@hobbico.com

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- This product is suitable only for people of 14 years and older. This is not a toy!
- No part of this manual may be reproduced in any form without prior permission.
- The contents of this manual are subject to change without prior notice.
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For service on your Tower Hobbies product if purchased in the U.S.A. or Canada, send it postpaid and insured to:

HOBBY SERVICES
3002 N. Apollo Dr., Suite 1
Champaign, IL 61822
Tel: (217) 398-0007 (9:00am - 5:00pm CST, M-F)
E-mail: hobbyservices@hobbico.com

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● WARNING: CHOKING HAZARD – May contain small parts. Keep away from children under 3 years. Please retain packaging for future reference.
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