

92744

2.4GHz FHSS-3

Receiver Operating Instructions



Use this receiver with your Airtronics M11X 2.4GHz FHSS-3 transmitter. Please note that due to differences in the implementation of 2.4GHz technology among different manufacturers, this receiver is compatible only with Airtronics FHSS-3 surface transmitters (e.g., M11X).

Model: 92744

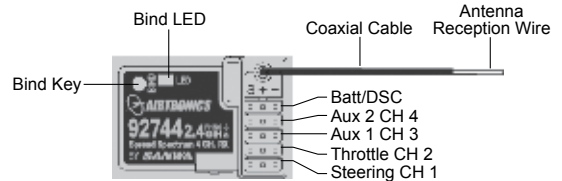
Frequency: 2.4GHz FHSS-3

Input Voltage: 4.8v - 6.0v

Weight: 0.3oz (8.5gr)

Dimensions: 1.43 x 0.94 x 0.59in (36.5 x 24.0 x 15.0mm)

Fail Safe Limit: 3.8v Default / 3.5v - 5.0v Adjustable



2.4GHZ FREQUENCY BAND PRECAUTIONS

- The 2.4GHz frequency band may be used by other devices, or other devices in the immediate area may cause interference on the same frequency band. Always before use, conduct a bench test to ensure that the servos operate properly. Also, conduct checks with the transmitter as distant as possible from your model.
- The response speed of the receiver can be affected if used where multiple 2.4GHz radio controllers are being used, therefore, carefully check the area before use. Also, if response seems slow during use, stop your model immediately and discontinue use.
- If the 2.4GHz frequency band is saturated (too many radio controllers on at once), as a safety precaution, the radio control system may not bind. This ensures that your radio control system does not get hit by interference. Once the frequencies have been cleared, or the saturation level has dropped, your radio control system should be able to bind without any problems.

TRANSMITTER PRECAUTIONS


- Turn the transmitter ON first and then turn the receiver ON. After using your model, turn the receiver OFF first, then turn the transmitter OFF. It can be dangerous if you activate the components in reverse order as the servos may start up inadvertently.
- Before use, double-check that the transmitter and receiver batteries are sufficiently charged.
- Never touch the transmitter antenna during use. Doing so may cause loss of transmitter output, making it impossible to control your model.
- Before use, the transmitter antenna should be moved in the fully upright position. After use, to prevent any chance of damaging the antenna, the antenna should be moved into the horizontal stowed position. The transmitter's antenna is delicate. Handle it with care.
- Do not press the Bind key during use. The radio signal is interrupted while the Bind key is pressed. It may also require a short time to restore the signal after releasing the Bind key, which can be dangerous.

RECEIVER PRECAUTIONS

- The receiver antenna consists of a coaxial cable and a reception wire (the thin tip at the end of the coaxial cable). When you mount the receiver antenna, do not bend the reception wire. Reception performance decreases if the reception wire is bent.
- The antenna wire is delicate, therefore, handle with care. Do not pull on the antenna wire with force. Do not cut or extend the antenna wire.
- The coaxial cable (the thicker portion or the antenna) can be bent into gentle curves, however, do not bend the coaxial cable acutely, or repeatedly bend it, or the antenna core can be damaged.
- The antenna wire should be installed into a vertical plastic tube per your particular model's assembly instructions. Keep the receiver antenna as far away from the motor, battery, and ESC as possible.
- There is a danger of runaway operation if connectors shake loose during use. Make sure that the receiver, servo(s), and switch connectors are securely fitted.
- The receiver is susceptible to vibration, shock, and moisture. Take appropriate measures to protect against vibration and moisture. Failure to take appropriate measures could result in runaway operation or damage to the receiver.
- When installing the receiver, avoid contact with any carbon or metal chassis components.
- Contact between metal parts mounted on a model can result in electrical noise, which can adversely effect receiver performance and possibly result in runaway operation or damage to your model.
- With electric-powered models, be sure to fit the motor with a noise suppression capacitor. Without a noise suppression capacitor, excessive electrical noise generation can cause runaway operation and/or result in damage to your model.
- The manufacturer disclaims all responsibility for damages resulting from use of components other than genuine Airtronics components.

BINDING THE RECEIVER TO YOUR TRANSMITTER

It is necessary to pair the transmitter and receiver to prevent interference from radio controllers operated by other users. This operation is referred to as 'binding'. Once the binding process is complete, the setting is remembered even when the transmitter and receiver are turned OFF, therefore, this procedure usually only needs to be done once. Under some circumstances, the receiver may not operate after turning the transmitter and receiver ON. If this occurs, perform the binding process again.

 Before beginning the binding process, plug your receiver battery into the switch, then plug the switch into the BATT/DSC slot in the receiver, making sure that the polarity is correct. Make sure that both the transmitter and receiver are turned OFF.

- 1) Turn on the transmitter, then press the two Function keys at the same time until Function Menu F3 is displayed. If the SET-UP menu is not automatically highlighted, continue to press the Function key until the SET-UP menu is highlighted.
- 2) With the SET-UP menu highlighted, press the Function key to select [BIND] in the Programming Window. SET BIND BUTTON will be displayed in the Programming Window.




- 3) Press the ★ key. SEND BIND COMMAND will be displayed in the Programming Window.



- 4) While holding down the Bind Button on the receiver, turn the receiver ON. The Bind LED on the receiver will blink slowly.





 Use the tip of a pencil or a 1.5mm hex wrench to reach the Bind Button on the receiver.



- 5) After ~2 seconds release the Bind Button. The Bind LED on the receiver will continue to blink slowly. Quickly press the ENTER key on the transmitter. SENDING will be displayed in the Programming Window, the Bind LED on the receiver will blink rapidly, then the Bind LED on the receiver will turn solid indicating the binding process is complete.



 After releasing the Bind Button, you must press the ENTER key quickly (within a couple of seconds). If you take too much time, you will need to restart the binding process.

 When the binding procedure is successful, the Bind LED on the receiver will stay solid blue when both the transmitter and receiver are turned ON. If the Bind LED on the receiver is blinking rapidly, the transmitter and receiver are not paired. In this case, turn both the transmitter and receiver OFF, then repeat the binding procedure.

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