

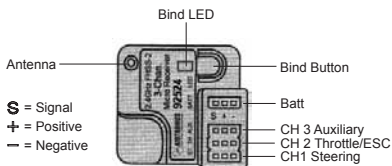
92524 2.4GHz FHSS-2 3-Channel Micro Receiver Operating Instructions



Thank you for purchasing the Airtronics 92524 2.4GHz FHSS-2 3-Channel Micro receiver. This receiver can be used with any Airtronics 2.4GHz FHSS-2 surface transmitter, such as the MX-Sport FHSS-2, MX-3FG FHSS-2, M11 FHSS-2, and M11X FHSS-3 (using FH2 modulation). Please read through these Operating Instructions entirely before installing and using your new receiver.

! Due to differences in the implementation of 2.4GHz technology among different manufacturers, this receiver is compatible only with Airtronics brand 2.4GHz surface transmitters.

Model: 92524
 Frequency: 2.4GHz FHSS-2
 Input Voltage: 4.8v ~ 6.0v (4 Cell ~ 5 Cell)
 Weight: .33oz (9.5gr) with Case
 Dimensions: 1.03 x 1.18 x 0.62in (26.1 x 29.9 x 15.7mm)
 Fail Safe Support: Yes - Throttle



2.4GHZ FREQUENCY BAND PRECAUTIONS

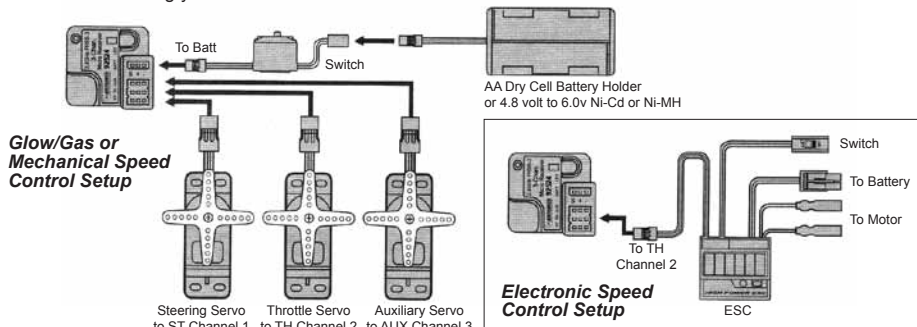
- This receiver operates on the 2.4GHz frequency band. The 2.4GHz connection is determined by the transmitter and receiver pair. Unlike ordinary crystal-based systems, your model can be used without frequency control.
- The 2.4GHz frequency band may be used by other devices, or other devices in the immediate 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.

RECEIVER CONNECTIONS AND MOUNTING

- We suggest binding the transmitter and receiver, and setting the Throttle Fail Safe position, prior to mounting your receiver in your model.
- The receiver should be mounted as far away from any electrical components as possible.
- Route the receiver antenna up through a plastic tube so that it is in the vertical position.
- To protect the receiver from vibration and other damage, we recommend wrapping the receiver in shock absorbing foam when installing it in your model.

WARNING The receiver is NOT equipped with BEC circuitry. DO NOT use a receiver battery any greater than 6.0 volts to power the receiver. Use only a 4.8 volt to 6.0 volt receiver battery, an ESC with a BEC circuit that lowers the voltage to the receiver, or a voltage regulator that lowers the voltage to the receiver.

! Set your model on a stand so the wheels are off the ground before turning on your radio control system or connecting your motor for the first time.



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 for each separate receiver you're using.

- 1) Turn your transmitter ON.
- 2) Depress and HOLD the receiver's Bind Button.
- 3) Turn the receiver ON while continuing to hold the Bind Button. The receiver's Bind LED will flash slowly.
- 4) After 2 to 3 seconds, release the Bind Button.
- 5) Depress and HOLD your transmitter's Bind Button until the receiver's Bind LED begins to flash rapidly. The binding process is successful when the receiver's Bind LED is solid.
- 6) Move the controls to confirm the transmitter and receiver are operating correctly.



The binding procedures differ from what is described if you're using the 92524 receiver with an M11X transmitter. Refer to page 13 of your M11X Operating Guide for that transmitter's specific binding procedure.

IMPORTANT If binding the receiver to an M11X transmitter, the M11X transmitter Modulation must first be changed to FH2. Refer to page 47 of your M11X Operating Manual for more information.

SETTING THE THROTTLE FAIL SAFE

Your receiver features a Throttle Fail Safe function. The Throttle Fail Safe function automatically sets the throttle to a predetermined position in the event that the signal between the transmitter and the receiver is interrupted, whether due to signal degradation or to low battery. The Throttle Fail Safe function can be programmed after the Binding process is complete.

- 1) Turn your transmitter ON, then turn your receiver ON.
- 2) Move the controls to confirm that the transmitter and receiver are operating correctly.
- 3) Move the throttle lever to your desired Throttle Fail Safe position and hold it in that position.
- 4) Press and HOLD the receiver's Bind Button for 4 seconds. The receiver's Bind LED will flash slowly.
- 5) Release the throttle lever AFTER the receiver's Bind LED begins to flash rapidly, then release the Bind Button.
- 6) Confirm the desired operation of the Throttle Fail Safe by turning the transmitter OFF. The throttle should move to the position you set. Turn the transmitter back ON to resume normal control.



If the throttle lever is left in the Neutral position, the Throttle Fail Safe will be set in that position.

IMPORTANT FHSS-2 receivers support Throttle Fail Safe only. If you are using your receiver with an M11X transmitter, you can only set the Fail Safe feature on the Throttle channel, unlike with FHSS-3 receivers.

WARRANTY

Your Airtronics 92524 2.4GHz FHSS-2 3-Channel Micro receiver is warranted against manufacturer defects in materials and workmanship, at the original date of purchase.



Any modifications or abuse of the product will void any warranty. Crash damage will not be covered by any warranty. The receiver is not waterproof. Water damage will not be covered by any warranty.



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