



JR R610UL 6-Channel Ultra-lite FM Receiver Instructions

Thank you for purchasing the JR® R610UL FM Receiver. The R610UL is a high-performance receiver specifically designed for hand-launch gliders, park and slow flyers, or small gas planes up to approximately .30-size. The R610UL, featuring JR's patented ABC & W interference-fighting technology, exceeds the AMA standards for 2im and 3im for unmatched reliability. The R610UL also features an outstanding operating range that puts it at the top of the class in micro receiver performance.

The R610UL is designed to be used only with JR brand transmitters capable of FM (PPM) modulation.

SPECIFICATIONS

Size: 1.38" x 0.75" x 0.50"

Weight: 7 g

Frequency: 72MHz FM (PPM)

Crystals: JR only

Channels: 6

Voltage: 3.2–7.2V

Antenna: 39"

RANGE TESTING

Prior to the initial test flight of the model, a range test should be performed to insure proper operation. When properly installed, the R610UL should have a minimum ground range (TX antenna down) of approximately 75–100 feet. If the range is less, check to insure that the receiver antenna is extended and routed outside of the model. The receiver antenna should also be positioned as far away from other electrical components (motor, speed controller, servos, etc.) as possible. Please contact the Horizon Service Center for further instructions.

Note: Under no circumstances should the length of the receiver antenna be altered, as this will directly affect the tuning and overall range of the receiver.

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SERVO CONNECTION

Unlike other JR® receivers, the brown (negative) wire on the servo leads should face upwards toward the R610UL's top label. If the servo leads are installed in the opposite (standard) direction, the servos will not function. Since the R610UL is designed with center pin positive polarity, no damage will occur from improper connection of JR servos.



ACCESSING THE 6TH CHANNEL

When using a separate battery power source (mainly with glow-powered models), it will be necessary to use an optional Y-Harness (JRPA133) so that the battery and the 6th channel servo can access the battery/Aux 1 port simultaneously. When using the R610UL in an electric-powered model with an electronic speed controller, the R610UL will receive power through the throttle channel connection, leaving the 6th channel directly accessible.

WARRANTY INFORMATION

Your new equipment is warranted to the original purchaser against manufacturer defects in material and workmanship for three years from the date of purchase. During this period, Horizon Service Center will repair or replace (at our discretion), at no cost to the purchaser, any component that is found to be factory-defective. This warranty is limited to the original purchaser and is not transferable.

For non-warranty repairs, please advise us of the payment method you prefer to use. Horizon Service Center accepts VISA or MasterCard. Please include your card number and expiration date. Mail your receiver to:

Horizon Service Center
4105 Fieldstone Road
Champaign, Illinois 61822
(217) 355-9511



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