

FS Receiver button summary

Button functions in Setup Mode

Do this...	And this happens...
Press and hold button, turn on receiver	Receiver enters Setup Mode (LED “twinkles”). Servos set for Last Frame Mode move slowly, servos set for Failsafe Mode move to failsafe positions (and don't move after that).
Move transmitter stick(s) to servo failsafe position for channel(s), press button, return transmitter stick(s) to neutral (or low for throttle)	Receiver sets servo to failsafe position(s) for channel(s). <i>For mixed channels, this sets failsafe positions for all channels in mix.</i>
Press and hold button for 2 seconds	Receiver sets all channels to Last Frame Hold Mode (this erases Failsafe Mode servo presets on all channels).

Button functions in Normal Flight Mode

Do this...	And this happens...
Don't press button	LED blinks number of failsafes (up to 9) since receiver was turned on. No blinks = perfect signal.
Press button 1 time	LED blinks battery voltage (each long blink = 1V, each short blink = 0.1V).
Press button 3 times	LED blinks number of bad frames (up to 99) since receiver was turned on (each long blink = 10 bad frames, each short blink = 1 bad frame). (Less than 30 bad frames indicates very clean signal during typical flight.)
Press button 5 times	Change between 1X and 2X LED blink rate (1X = 1 blink/second, 2X = 2 blinks/second).

Tip: When checking for bad frames or changing blink rate, make each press before LED turns on.

FMA limited warranty for receivers

FMA, Inc. warrants this product to be free of manufacturing defects for the term of one year from the date of purchase. Should any defects covered by this warranty occur, the product shall be repaired or replaced with a unit of equal performance by FMA or an authorized FMA service station.

Limits and exclusions

This warranty may be enforced only by the original purchaser, who uses this product in its original condition as purchased, in strict accordance with the product's instructions. Units returned for warranty service to an FMA service center will be accepted for service when shipped postpaid, with a copy of the original sales receipt or warranty registration form, to the service station designated by FMA.

This warranty does not apply to:

- Consequential or incidental losses resulting from the use of this product.
- Damage resulting from accident, misuse, abuse, neglect, electrical surges, reversed polarity on connectors, lightning or other acts of God.
- Damage from failure to follow instructions supplied with the product.
- Damage occurring during shipment of the product either to the customer or from the customer for service (claims must be presented to the carrier).
- Damage resulting from repair, adjustment, or any alteration of the product by anyone other than an authorized FMA technician.
- Installation or removal charges, or damage caused by improper installation or removal.

Call (301) 668-7614 for more information about service and warranty repairs.



User Guide Version 1.28

Flight System FS5 Receiver for Aircraft

Note: This manual provides basic instructions. More information is available to help you use the receiver:

- Online help file for FS Receiver Viewer Software.
- FS Receiver and Viewer Software manual in PDF (download from the Support section at www.fmadirect.com).

Features

- Protect your investment before you take off, while you're flying, and after you land.
- Universal operation: works with negative shift (Futaba, Hitec) and positive shift (JR, Airtronics) PPM transmitters. For aircraft (72MHz) installations.
- Full range, full performance. Can be used in aircraft ranging from park flyers to IMAA-legal aircraft to helicopters.
- Frequency-Clear feature tells you whether another transmitter is using your channel.
- Digital Signature Recognition eliminates nearly all interference.
- Better range checking: receiver records signal loss (if any) during check, then displays result.
- Set any channel for a failsafe position using your transmitter. On loss of signal, failsafe channels move to preset positions, other channels hold last good frame position.
- LED blinks battery voltage, number of failsafes and number of bad frames received.
- Viewer Software provides real-time display and analysis of receiver operation and setup.

Safety precautions

- Follow all instructions in this manual to assure safe operation.
- If you have not assembled and operated a radio controlled model before, obtain help from an experienced modeler. You will need guidance to successfully assemble, test and operate radio controlled models. One of the best ways to obtain help is to join your local radio control club.
- In some areas of the country, you cannot legally operate radio controlled models except at approved fields. Check with local authorities first.
- Observe frequency control. If someone else is operating a radio controlled model on the same channel as your transmitter, **do not turn on your transmitter—even for a short time.** Your transmitter has a channel number marked somewhere on its case. **When a model receives signals from two transmitters on the same channel at the same time, it cannot be controlled and will crash—possibly causing personal injury or property damage.** For safety, most RC flying fields have formal frequency control rules. Follow them carefully.
- Do not operate your radio control transmitter within 3 miles of a flying field. Even at a distance, your transmitter can cause interference.

Parts list

- FS Receiver.
 - Viewer Software CD (see separate instructions; not required for setting up and operating the receiver).
- You must supply:**
- Crystal: FMA Quantum or Fortress series dual conversion or Hitec dual conversion (on same channel as your transmitter).
 - Battery pack: typically 4 or 5 cell NiCd. (Do not use alkaline batteries!)
 - Radio on/off switch harness.
 - Servos.

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