

Accessories included with the Futaba 12FG:



12FG

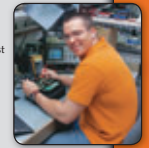
12-CHANNEL COMPUTER SYSTEMS



Futaba Flyers Club
 With the purchase of a Futaba 12FG radio, you'll be entitled to FREE membership into the Futaba Flyers Club. This is an elite association of modelers who share an appreciation for the finest equipment available in the R/C hobby. As a registered Flyers Club member, you'll receive exclusive access to Futaba merchandise, periodic information updates and special offers, and the opportunity to interact with other 12FG pilots.



Futaba Service Center
 In the unlikely event that your Futaba equipment ever requires service, you can count on Futaba's exceptional Service Center to get you back into the action fast. Staffed by expert technicians and equipped with the most advanced diagnostic tools, the Service Center gives your Futaba radio system the knowledgeable care it deserves. If a repair is needed, they get it right the first time. With the Service Center's location in the central United States, shipping to most areas of the country takes only two days. You get your return package fast—and without paying overnight shipping charges.



Futaba Service Center USA
 3002 N. Apollo Drive, Suite 1, Champaign, IL 61822

One Year Limited Warranty

Futaba digital proportional R/C systems are warranted to the original purchaser for one full year from the date of purchase against defects in material and workmanship. During this period, Futaba will repair or replace, at our discretion, the defective component. This warranty does not apply to improperly installed, handled or abused systems, radios which have been damaged in a crash, nor to any unit which has been repaired or altered by unauthorized agencies. Under no circumstances will the buyer be entitled to consequential or incidental damages. This limited warranty gives you specific legal rights. You may have other rights which vary from state to state. Batteries and plastic housings are not covered by warranty. This warranty applies to Futaba products purchased and used in the United States, Canada and Mexico.

12FG 2048 PCM

Stock No.	System	Modulation	Band	Servo	Receiver	Rx Battery	Tx Battery	Mode
FUT.89200	12FG Air	PCM	72MHz	none	R5114DPS	1500mAh NiCd	7.2V 1700mAh NiMH	2
FUT.89201	12FG Helo	PCM	72MHz	none	R5114DPS	1500mAh NiCd	7.2V 1700mAh NiMH	2
FUT.89202	12FG Air	PCM	50MHz	none	R5114DPS	1500mAh NiCd	7.2V 1700mAh NiMH	2
FUT.89206	12FG Helo	PCM	50MHz	none	R5114DPS	1500mAh NiCd	7.2V 1700mAh NiMH	2
FUT.89210	12FG Air	PCM	72MHz	none	R5114DPS	1500mAh NiCd	7.2V 1700mAh NiMH	1
FUT.89211	12FG Helo	PCM	72MHz	none	R5114DPS	1500mAh NiCd	7.2V 1700mAh NiMH	1

12FG 2048 2.4GHz FASST

Stock No.	System	Modulation	Band	Servo	Receiver	Rx Battery	Tx Battery	Mode
FUT.99276	12FG Air	FASST	2.4GHz	none	R6014FS	1500mAh NiCd	7.2V 1700mAh NiMH	2
FUT.99278	12FG Helo	FASST	2.4GHz	none	R6014FS	1500mAh NiCd	7.2V 1700mAh NiMH	2
FUT.99277	12FG Air	FASST	2.4GHz	none	R6014FS	1500mAh NiCd	7.2V 1700mAh NiMH	1
FUT.99278	12FG Helo	FASST	2.4GHz	none	R6014FS	1500mAh NiCd	7.2V 1700mAh NiMH	1



For more information and the location of the dealer nearest you, please visit www.futaba-rc.com or call 1-800-662-8948 and mention code number 99X36.
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Taking 12-channel control to the next level.



8 Switches

Two Slider Arms

- Accessible from front and back for easy thumb or fingertip rotation.

Quad-Bearing Gimbals

- Gimbals with long-life potentiometric quad bearings, adjustable tension and detent.

12FG Specifics:

- 2048 G3 PCM resolution — twice that of 1024 PCM high-end radio systems.
- "Backwards compatible" with FM/PPM and 1024 PCM (12FG 2048 PCM only).
- Combines airplane and glider functions conveniently into one program.
- Includes helicopter programming.
- Supports 8 tail swash types; 7 wing, 3 tail, and 6 winglet types for gliders and airplanes.
- Eight total flight conditions (7 plus default).
- Ten free mixes.
- Six digital trims.

255 x 96 LCD Screen with Adjustable Contrast

Handle

Two Rotary Dials

Neck Strap Eyelet

Digital Trim Switches (6)

Factory Pre-Set Model Types

- Includes 7 wing, 3 tail, and 6 winglet types for airplanes and gliders, plus 6 heli swash types.
- Built-in shortcuts save time — just select the set-up you need.

Finely Tuned Setting Adjustments

- Adjustments are made in ultra-precise 0.5% increments, compared to the 1% of other radios.

Variable Dual Rates™ (VDR)

- Six factory-set Variable Dual Rate (VDR) curves can be assigned to any function in any flight condition configuration.

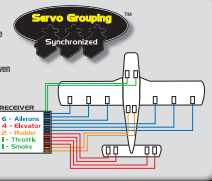
Variable Dual Rates and Expo can be combined so they are automatically activated when a function is activated — no program mixing required.

Variable Dual Rates



Servo Grouping

- Multiple servos controlling a single function can be conveniently grouped onto the transmitter operation.
- Servos can be plugged into different receiver channels, even non-consecutively.
- Each servo's EPA can be adjusted individually from the transmitter so that no separate servo synchronizer is needed for mixing.



Dial 'n Key™ Editing

- Once you've found the program you want, simply press the jog dial button to open it. Then, turn the dial to set the values.

Secure Digital Card Data Storage and Transfer

- Increase model memory from 30 to 1,882 models.
- Download Futaba's utility file for your PC and upgrade features and functions for free from the internet!
- A 1GB card is required for maximum memory capacity. SD Card sold separately. (Available at local electronic stores)



12FG 2048 PCM

Synthesized RF Module

Gimbal Stick Adjustment Ports

Rubber Grips

Battery Charging Jack

- Located externally for easy access when recharging the included 7.2V, 1700mAh NiMH transmitter pack.

DSC/Trainer Cord Jack

12FG 2048 2.4GHz FASST

TN-14 14 Channel Module

- Also compatible with other Futaba 2.4GHz receivers.

Battery Box

Innovative technology puts the 12FG ahead of the rest!

12FG 2.4GHz FASST



Includes R601AFS 2.4GHz Receiver

2.4GHz Real-Time Response

The R601AFS is the first 2.4GHz receiver able to use 14 channels. It also offers G3 2048 resolution and Real-Time Response.



Custom-Developed IC Chip

Futaba FASST systems use custom IC chips that have been designed specifically for radio-control — ensuring quality, reliability, and safety.



DUAL ANTENNA DIVERSITY

The R601AFS 2.4GHz receiver seamlessly selects the best reception between two antennas, so there's no loss of signal.

CONTINUOUS CHANNEL SHIFTING

The frequency of the 12FG 2.4GHz FASST system shifts every two milliseconds, so there are no signal conflicts or interruptions...and no need for a frequency pin.

PRE-VISION™

Futaba's 2.4GHz FASST technology scans incoming data and applies sophisticated error correction techniques — for a solid, impenetrable connection with your model.

Patent # 6,141,392

READY LINK™

The 12FG 2.4GHz FASST transmitter module has a unique and permanent ID code. Once linked to the receiver — which takes only the press of a button — the code ensures that the receiver will respond to ONLY that transmitter.

www.2.4gigahertz.com

12FG 2048 PCM



Includes R5114DPS 2048 PCM Receiver

Real-Time Response

PCM G3 2048 resolution enables servos to pick up even the slightest stick movement, for response so immediate that it feels like "real time".



Note: the 12FG PCM can also transmit in 1024 PCM and PPM.

Wireless Frequency Setting System

Lets you change frequencies without changing crystals!



www.futaba-rc.com

