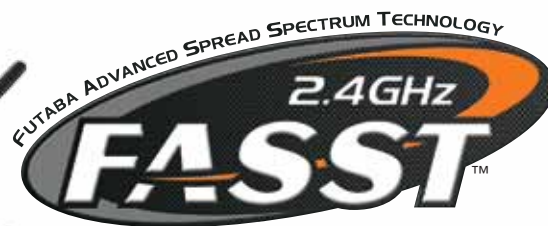


Futaba®

We Put the Future of R/C in Your Hands™



FASST: No spread spectrum technology offers you more.



Today, more pilots put their trust in us than in any other brand in the world. And the reason that's true is very simple. It's because Futaba *offers* more.

More experience

By the time that the first spread-spectrum systems were introduced to R/C, we already had 15 years of spread-spectrum success. Our first system (the 6EX in 2006) used proprietary components with almost a generation of proven performance.

More Contest Wins

From start to finish, Futaba systems have consistently produced more wins — in the air, on the ground or over water.

More innovations

Innovating and competing have a lot in common — and we've amassed a huge number of firsts in both. PCM technology, channel synthesis, AVCS design for gyros, 2048 resolution, digital and brushless servos — they're all Futaba firsts that are facts of life today.

R/C's most reliable RF link!

Even today, FASST remains unequalled in overall dependability, from ease of binding to the strength of the RF link. Continuous Channel Shifting, coded signals and patented Pre-Vision™ reduce the chances for same-channel interference to virtually nil. And with our Easy Link™ receivers, establishing a rock-solid link requires only the push of a button.

Flawless reception without satellites

Some 2.4GHz systems require up to 5 receivers to equal the reception power offered by a single FASST receiver. Dual Antenna Diversity guarantees you the strongest possible signal for the least installation work and cost.

World-class service.

Our Service Center's expert technicians and advanced diagnostic tools make sure we get it right. Our Midwest location makes sure you get it back fast.



Shipping to most areas of the U.S. takes only two days, so you get it without delays and without paying premium shipping rates.

Futaba Service Center USA

Address: 3002 N. Apollo Dr. Suite 1, Champaign, IL 61822

Telephone: 1-217-398-0007.

Available Monday-Friday, 8 a.m.-5 p.m., Central Standard Time (CST)

Fax: 1-217-398-7721.

(Please be sure to include a daytime telephone number or return fax number.)

E-mail: service@futaba-rc.com

14MZ

14-Channel 2.4GHz FASST Computer Radio

Unrivalled power and dependability in a 14-channel R/C system.

It's the world's most advanced radio — engineered for the pilot who demands the very best.

You can program the 14MZ FASST with just a touch, or by using the rotary dial to pull up any of its 30 digitally precise model memories in an instant. And when you do, get ready to experience the kind of performance that you might have believed was impossible!

And that's not all: you can add your own audio and picture files; tailor switch location, style and function to your preference; and enjoy up to three hours of flying time before recharging your transmitter pack.

The Futaba FASST 14MZ — no other radio system comes close.

14MZ System Overview

- 2048 resolution
- Real-Time Response™
- Dual internal processors: Windows® CE for set-up/programming tasks; Futaba for flight control functions
- Dual programming methods: "Touch n' Go™" touch screen or rotary dial and direct select buttons
- Capable of FASST, FM/PPM, PCM1024 and PCM2048 operation
- Airplane/gliders and heli software
- 30-model internal memory, expandable to over 900 with included CF card*
- Model clear, copy and naming
- Assignable switches/functions
- Switch customizing
- 6 factory-preset Variable Dual Rates™
- Servo Grouping™ for multi-servo synchronization
- Engine mixing (for up to 4 engines)
- Transflexive, backlit 640 x 240 HVGA display w/ adjustable contrast
- 10 programmable mixes
- 24 factory-defined mixes (16 air; 8 heli)
- 9 flight conditions
- 6 digital trims
- Servo monitor display

- Servo reversing, servo center and EPA
- Mode 1-4 selectable
- Throttle cut/idle down
- Swash AFR
- Gimbals with quad bearings and long-life potentiometers
- Sticks with adjustable length, tension and detent
- 4 slider switches (2 side-mount; 2 front/back accessible)
- 7-color status LED
- Charging, DSC and trainer jacks
- Deluxe metal carrying case
- Wall chargers, touch screen stylus, cleaner, neck strap, DSC cord, rubber grips and hex wrenches

14MZ Specifics

- Variable Dual Rates can be assigned to any function in any configuration (they can be combined with Expo and activated automatically, without program mixing, using Flight Conditions)
- Ultra-fine, 0.5% setting increments for precision set-up and "quick-step" mode for multi-increment advancement
- Free online software downloads of updates and upgrades

*128MB Compact Flash Card included. Ideal for downloading/storing images; recording/playback of sound files & voice prompts; expanding memory by over 900 models.

Stock #	System	Band	Receiver	Tx Lilon	Mode	Tx Module
FUTK9400	14MZA FASST	2.4GHz	R6014HS	2200mAh	2	TM-14
FUTK9401	14MZH FASST	2.4GHz	R6014HS	2200mAh	2	TM-14

Mode 1 conversion available.



12Z

12-Channel 2.4GHz Computer Systems

Powered by dual processors.

The 12Z is the only system that rivals the 14MZ's performance and programming potential — and it offers exceptional value as well. All the functions you could want are here...ready to take your flying to the next level.

12Z Overview

- Dial 'n Key™ programming
- 300 x 128 LCD w/adjustable contrast
- 25 model memory, expandable to 245 models*
- Model clear, copy & naming
- Menus/Functions: System (8); Linkage (14 airplane/16 heli); Model (14 airplane/17 heli)
- Airplane/glider & heli software
- 10 programmable mixes
- 24 factory-defined mixes
- 8 flight conditions
- Digital trims
- Assignable switches/functions
- 2048 resolution
- Real-Time Response™
- 6 Variable Dual Rates™
- Servo Grouping™ for multi-servo synchronization
- Capable of FM/PPM, PCM1024 or PCM2048 operation
- Servo reversing, servo center & EPA
- Mode 1-4 selectable
- Gimbals with quad bearings and long-life potentiometers
- Sticks w/adjustable length, tension and detent
- 8 shoulder switches
- 2 slider switches
- 3 rotary dials
- 7.4V, 2200mAh Lithium Ion Tx battery w/charger
- Lockable metal carrying case

* Requires optional 128MB Compact Flash Card (FUTM9411)



12Z Specifics

- Includes two Futaba processors: one for flight control, one for set-up/programming
- "Joystick" button for faster, simpler menu navigation
- Variable Dual Rates that can be assigned to any function in any configuration
- Ultra-fine 0.5% setting increments and "fast forward" mode for multi-increment advancement
- Engine mixing option for synchronizing up to four engines
- Backplate-mounted slider switches for fingertip control
- Free online downloads of system enhancements and software updates

Stock #	System	Band	Receiver	Tx Li-ION	Mode	Tx Module
FUTK9300	12ZA FASST	2.4GHz	R6014HS	2200mAh	2	TM-14
FUTK9301	12ZH FASST	2.4GHz	R6014HS	2200mAh	2	TM-14

Mode 1 conversion available.

12FG

12-Channel 2.4GHz Computer Systems

Affordable, cutting-edge 12-channel control...

Download upgrades/updates online - free!

The most amazing thing about the 12FG is not how much it can do. It's how it can do so much, yet be so affordable! The 12FG offers more than the cutting-edge dependability of 2.4GHz FASST technology; it offers many of the features you'll find on our 12Z and 14MZ systems: 2048 resolution, programmable and factory-defined mixes, plus the ability to download updates and programming enhancements online, free of charge. Unrivaled technology. Unsurpassed value. The 12FG 2.4GHz - only from Futaba.

12FG System Overview

- Dial 'n Key™ programming
- Assignable switches/functions
- Heli, airplane and glider software
- 10 programmable mixes
- 46 factory-defined mixes/functions (14 heli; 32 airplane/glider)
- 30 model memory (expandable to 1,088 models*)
- 8 character model naming
- 2048 resolution
- 6 digital trims
- Servo Grouping™
- 6 Variable Dual Rates™
- Dual/triple rates, servo centering, servo reversing, exponential and endpoint adjustment
- 8 flight conditions w/delay
- 255 x 96 LCD w/adjustable contrast
- Free downloads of software updates/upgrades
- Fail-safe
- Servo monitor display
- 2 slider switches (front/back access)
- 17-point throttle and pitch curves
- Model clear, copy, re-set
- AFR (Adjustable Function Rate)

- "Full functionality" trainer system
- Adjustable throttle cut/idle down
- Condition hold
- 0.5% settings increments
- Variable/exponential rate single switch option

- Additional features: elapsed time counter; dual, independent up/down timers; quad bearing gimbals; sticks w/length tension adjustments; heavy-duty switch harness; neck strap; Tx battery; charger and charge jack

*A 1GB SD card is required for maximum memory capacity. SD card sold separately.

Mode 1 conversion available

Stock #	System	Band	Receiver	Tx NiMH	Mode	Tx Module
FUTK9275	12FGA FASST	2.4GHz	R6014FS	1700mAh	2	TM-14
FUTK9276	12FGH FASST	2.4GHz	R6014FS	1700mAh	2	TM-14



IOCG

IO-Channel 2.4GHz Computer Systems

The IOCG: pro-level features at a sport-system price.

The 10CG is perfect for the price-conscious pilot — an integrated, 2.4GHz treasure trove of features formerly found only on the most advanced systems.

But it's also a system that boasts advantages few others can claim: 7-point throttle and pitch curves; 4 heli flight modes; a round dozen factory-defined glider mixes; graphics for programming swash plate types; swash ring; and logic switches that allow you to activate a timer or other function just by changing the positions of specific sticks or switches.

10CG System Overview

- Dial 'n Key™ programming w/joystick
- Airplane, heli and glider software
- 2048 resolution
- Real-Time Response™
- Smart Switch Technology™
- Basic & advanced menus
- 15-model memory, expandable to 48 models*
- 10-character model & user naming
- Assignable switches & dials/functions
- Model select, copy, re-set
- Data transfer
- 2 proportional slider switches
- Fail-safe, sub-trims, servo reversing & EPA
- Digital trims & trim step, expo & dual/triple rates
- 160 x 72 backlit LCD w/ adjustable contrast
- Servo monitor display
- Auxiliary channel screen for 1-step function/switch assignment
- Model & system timers
- Full functionality trainer system (cord required)
- Throttle cut, hold & idle down
- Mode 1-4 selectable
- Sticks w/length and tension adjustments

Airplane Features

- 8 programmable mixes, plus:
 - Elevator/Flap; throttle needle; aileron differential; flaperons; V-tail; elevon; and air brake w/elevator delay
 - Ailevator; 4-position snap roll switch; 2 independent gyro settings; 7-point throttle curve; and flap trim

Heli Features

- 6 programmable mixes, plus:
 - Hover/pitch; hover throttle; 8 swash plate types w/graphics; swash AFR; 5-point revo mixing; gyro menu; 7-point throttle & pitch curves w/delay; high/low pitch setting; swash ring; and throttle hold & 3 idle-ups w/delay

Glider Features

- 8 programmable mixes, plus:
 - Butterfly/elevator (2); elevator/flap; chamber mix; aileron/flap; aileron/rudder; flaperons; V-tail; and 4-point offset;
 - Spoiler mix; single/dual flap servos; 5 flight conditions; 3 wing types; and adjustable motor cut

Stock #	System	Band	Receiver	Tx NiCd	Rx NiCd	Mode	Tx Module
FUTK9255	10CGA FASST	2.4GHz	R6014HS	700mAh	600mAh	2	—
FUTK9256	10CGH FASST	2.4GHz	R6014HS	700mAh	—	2	—
FUTK9257	10CGA FASST	2.4GHz	R6014HS	700mAh	600mAh	1	—
FUTK9258	10CGH FASST	2.4GHz	R6014HS	700mAh	—	1	—
FUTJ9150+	10CA	72HMz	R3110DPS	700mAh	—	2	TP-FSM*
FUTJ9151+	10CH	72HMz	R3110DPS	700mAh	—	2	TP-FSM*

Legend: + = Synthesized; * = Modular

*Requires optional 128K CAMPac Module (FUTM9408)



8FG

8-Channel 2.4GHz Computer System

**Much more radio...
for far less money.**

It's priced *hundreds of dollars less than the closest competition*, so it's a great buy. But it also offers features the competition doesn't, including some that have previously been found only on very high-end systems. And one feature — fast, simple SensorTouch™ programming — isn't available *anywhere* else, at any price.

Add in extra-low latency and cutting-edge 2048 resolution, and the 8FG becomes an exceptional buy and a shrewd investment for upper-level sport and entry-level competitive pilots alike.

8FG System Overview

- 8 proportional channels
- 2 switched channels
- Integrated FASST 2.4GHz design
- 2048 resolution
- SensorTouch™ programming
- Airplane, heli & glider software
- 20-model memory (internal)
- Mode 1-4 selectable
- Direct access to timers, channel mode & model selection
- 2-touch access to system, linkage & model menus
- Compatible with 32MB to 2GB SD Memory Cards*
- Assignable switches/functions
- 10-character user & model naming
- Model select, copy & reset
- Data transfer
- All-channel & battery fail-saves
- Sub-trims, servo reversing, dual rates, expo & EPA with limits
- Digital trims & memory, with step and % options
- 128 x 64 backlit LCD w/ auto-off timer, normal/large timer display options, adjustable contrast & brightness
- Servo cycle w/bar graph displays
- Model & system timers
- Trainer system w/channel/function options
- Sticks w/ball-bearing gimbals, length & tension adjustments

Airplane Menu

- 7 wing types
- **5 programmable mixes, plus:**
- 5 factory-defined mixes
- 5-point throttle curve
- Throttle delay
- Gyro function w/up to 3 gyro rates
- Motor menu w/speed adjustment

Helicopter Menu

- 6 swash plate types
- **5 programmable mixes, plus:**
- 8 factory-defined mixes
- 5 conditions w/delay per channel
- 5-point throttle & pitch curves
- Throttle hold
- Hovering throttle & pitch
- High/low pitch rates
- Gyro functions
- Governor functions

Glider Menu

- 10 wing types
- **5 programmable mixes, plus:**
- 2 factory-defined mixes
- 5 conditions w/delay per channel
- 4 virtual mixing channels
- Gyro functions w/separate rates for up to 3 gyros
- Motor menu w/speed adjustment

* SD card not included.



Stock #	System	Band	Receiver	Tx NiCd	Mode
FUTK8000	8FGA FASST	2.4GHz	R6008HS	1700mAh	2
FUTK8001	8FGA FASST	2.4GHz	R6008HS	1700mAh	2

7C

7-Channel 2.4GHz Computer Systems



Programming simplicity meets 2.4GHz safety and sophistication.

Simply rotating and pressing a dial walks you clearly and logically through 7C programming — where basic menus cut set-up time to the bare minimum, and advanced menus get maximum performance from every flight.

You also enjoy the confidence of flying with all the advantages of FASST signal security: Easy Link™ Tx/Rx linking, Continuous Channel Shifting, patented Pre-Vision™ data screening and Dual Antenna Diversity.

Choose the 7C instead of a standard 6-channel system and you gain more than another channel. You move up to new levels of simplicity, safety and sophistication.

7C System Overview

- Airplane and heli software
- Basic and advanced menus
- Dial n' Key™ programming
- 10 model memory
- 6 character model naming
- Mode 1-4 selectable
- Model copy
- Assignable switches/functions
- Endpoint adjustment (EPA), sub-trims and servo reversing
- Digital trims, memory and trim step
- Dual or triple rates and exponential
- Adjustable throttle cut
- Battery and throttle fail-saves
- 72 x 32 LCD w/adjustable contrast
- Variable rate knob
- Trainer system (cord required)
- Sticks with adjustable length and tension
- Count-up/countdown timer
- Low-battery, mixing and RF alerts



Airplane Features

- 3 programmable mixes, plus:
 - Flaperon
 - Elevator/flap
 - Flap/elevator
 - V-Tail/elevon
 - Aileron/rudder
 - Snap roll
 - Ailevator (dual elevator servos)
 - Air brake
 - Flap trim (dual aileron servos)

Helicopter Advanced Menu

- 3 programmable mixes, plus:
 - Revo mixing
 - Governor mixing
 - Gyro menu
 - Swash/throttle mixing
 - 5-point throttle & pitch curves w/2 idle ups
 - Hovering throttle/pitch
 - Throttle hold
 - Trim offset (aileron/elevator/rudder)
 - 6 swash plate types (5 CCPM options)
 - Swash AFR

Stock #	System	Band	Receiver	Servo(s)	Tx NiCd	Rx NiCd
FUTK7000	7CA FASST	2.4GHz	R617FS	(4) S3152	600 mAh	600 mAh
FUTK7001	7CH FASST	2.4GHz	R617FS	(4) S3152	600 mAh	—
FUTK7002	7CA FASST	2.4GHz	R617FS	(4) S3004	600 mAh	600 mAh
FUTK7004	7CA FASST	2.4GHz	R617FS	—	600 mAh	—
FUTK7005	7CH FASST	2.4GHz	R617FS	—	600mAh	—

6EX

6-Channel 2.4GHz Computer Systems



R/C's best buy in a 6-channel computer radio.

From simple programming for first-timers to excellent versatility for old pros, the 6EX is one system that virtually any pilot will enjoy flying with. And when you factor in all of its FASST advantages, it's easy to see why the 6EX is a great radio at a great price.

6EX Overview

- 6 model memory
- 4 character model naming
- Simple 1 lever/2 button programming
- Airplane and heli software
- LCD
- Digital trims
- EPA and servo reversing
- Dual rates & exponential (ail/ele/rud)
- Single-switch control of dual rates and expo
- Throttle and battery fail-safe
- Mode 1-4 selectable
- Adjustable throttle cut
- Flap switch
- Retract switch
- Dual-rate switch
- Tx NiCd & dual output charger
- Low battery and mixing alarms
- Adjustable stick length
- Trainer system (cord required)



Airplane Menu

- 2 programmable mixes
- 4 factory-defined mixes
 - Flaperon
 - V-tail mixing
 - Flap trim
 - Elevon mixing

Helicopter Menu

- 9 factory-defined mixes
 - Throttle hold
 - Gyro mixing
 - Revo mixing
 - Throttle curve (5-point, normal & idle-up)
 - Pitch curve (5-point, normal & idle-up)
 - Swash-to-throttle mixing
 - 3 swash plate types (independent, plus 90° and 120° CCPM)
 - Swash ARF (plus 90° and 120° CCPM)
 - Mixing alert

Stock #	System	Band	Receiver	Servo(s)	Tx NiCd	Rx NiCd
FUTK6900	6EXA/H FASST	2.4GHz	R617FS	—	600mAh	—
FUTK6901	6EXA FASST	2.4GHz	R617FS	(4) S3004	600mAh	600mAh
FUTK6902	6EXH FASST	2.4GHz	R617FS	(4) S3001	600mAh	—

4PK

4-Channel 2.4GHz Computer System

The ultimate racing system.

The 4PK offers you all the competitive firepower you can handle, in an ergonomic, 1.5 pound package. It allows you to adjust wheel height and trigger position to perfection. It angles the LCD for easier reference, offers a display-only mode for checks and lets you adjust backlighting to your taste—or turn it off to conserve power. You can tap and fine-tune its potential with just four buttons and a simple jog-dial and dedicate the 4th channel for adjusting brake bias or any other function you assign. It's designed to win you over from the first—and take over at the track.

4PK System Overview

- 40-model memory
- 10-character model naming
- Assignable switches & dials/ functions
- Assignable 3rd and 4th channels
- Customizable menus/functions:
New Driver (22)/Race-Ready (30)/
Expert (36)/ Big Car (28)
- 2 programmable mixes
- 2048 resolution
- ESC Link
- 2 conditions
- Servo Monitor Display
- Direct Select (for up to 8 features)
- Model copy & re-set
- Data Transfer
- Digital trims & dials
- Sub-trims, servo reversing
and EPA
- Steering speed, expo, dual rates
(2) and tension
- Throttle VTR, acceleration, speed,
expo, mode and 5-point curve
- Electronic and mechanical ATL
(brake side only)
- ABS braking w/adjustable return,
pulse cycle and delay settings
- Advanced Positioning Adapter (APA)
- Adjustable trigger location
- Fail-safe & battery fail-safe
- Power-off, mixing and high/low
voltage alarms
- Brake mixing
- Boat mode
- Idle up
- Vibrating alert system
- Backlit LCD screen with adjustable
contrast
- Up/down, fuel, system & lap timers
(100-lap memory)
- Start function/engine cut
- Right-/left-hand use
- Servo response mode

Stock #	System	Band	Receiver	Tx Batt
FUTK4900	4PK FASST	2.4GHz	R604FS	1700mAh NiMH
FUTK2015	3PKS FASST	2.4GHz	R603FS	700mAh NiCd

4PK Accessories

- FUTM5540 Short Drop Down
- FUTM5541 Angle Adapter
- FUTM5542 Screen Protector
- FUTP1012 Metal Carrying Case

3PKS Accessories

- FUTM9405 CAMPac 8 Data Module16K
- FUTM5547 3PK Large Hand Grip
- FUTM1468 9.6V 1100mAh NiCd Tx Batt



3PKS 3-Channel 2.4GHz Computer System

With the 3PKS, you can tailor setups with menus, store them in 20-model memory*, assign a function to the third channel and create two custom mixes—and much more.

* Optional 16K CAMPac module stores 10 additional memories.



3-Channel Computer Systems

3 excellent choices in 2.4GHz flexibility and security.

3PM-X

A single radio for racing, crushing, crawling, bashing and boating! The 3PM-X offers many conveniences and features, along with these performance and programming pluses:

Four-Wheel Steering Mix — gives you a choice of two or four 4WS options, and the ability to switch between them with the push of a button. Choices include: 1) Crab; 2) All-wheel steering; 3) Front-wheel only; or 4) Rear-wheel only.

Digital Trim Steps — set at 16 for coarse initial settings — or at 1 for fine-tuning finesse!

2-/3-position Soft Switch — perfect for dig on crawlers and other functions.

3PM-X Features

- Programmable mixing
- 10-model memory
- Simple, 4-button programming
- Model naming
- Assignable switches/functions
- Digital trims and memory
- Normal/HRS modes
- Servo reversing, sub-trims & EPA (all channels)
- Throttle expo, acceleration, mode select & fail-safe
- Steering expo, dual rates & servo speed
- Anti-lock braking system w/adjustable return, pulse cycle and delay
- Brake mixing for larger models
- Electronic ATL
- 2 conditions
- Up/Down timer w/100-lap & total time memory
- Low-battery alarm
- LCD screen
- Wheel tension adjustment
- Charge jack for optional NiCds
- Battery fail-safe
- Requires: 8 "AA" alkaline batteries & servos
- 1-year limited warranty



Stock #	System	Band	Receiver
FUTK2021	3PM-X FASST	2.4GHz	R603FF

3VCS

3VCS Specifics

- Customizable Menus/Functions: New Driver (12), "Race-Ready" (24) & "Expert" (35)
- Expandable 10-model memory*
- Adjustable stick tension & angle

* Optional 16K CAMPac module stores 10 additional memories.



Stock #	System	Band	Receiver	Tx Module
FUTK3000	3VCS FASST	2.4GHz	R603FS	PK-FSM2.4G

3GR-FS

3GR-FS Specifics

- Stick length adjustment
- Throttle mode select
- Compatible with the optional R603FS receiver to allow for Dual Antenna Diversity



Stock #	System	Band	Receiver
FUTK3010	3GR-FS FASST	2.4GHz	R603FF

FASST™ Receivers

Choose from a large selection
— all of them compact, with
no-hassle installation!

- FASST receivers install easily and need no additional “satellite” receivers — one compact, lightweight component does it all!
- FASST receivers do away with separate binding plugs that can be misplaced
- Receivers with HS (High Speed) mode improve frame rate on channels 1-6 to only 7 milliseconds — compared to 14 milliseconds at normal mode
- Find a FASST receiver that's perfect for any plane, from the smallest park flyer to the largest scale giant



R6004FF 4-Channel Micro Indoor (Standard Connector)
Dimensions: 1-3/8 x 13/16 x 5/16 in (35 x 20 x 8 mm)
Weight: 0.15 oz (3.8 g); Weight w/o case: 0.12 oz (3.3 g)
FUTL7624



R616FFM 6-Channel Micro Park Flyer (Micro Connector)
Dimensions: 1-9/16 x 7/8 x 5/16 in (39 x 23 x 8 mm)
Weight: 0.22 oz (6.3 g); Weight w/o case: 0.14 oz (4.0 g)
FUTL7626



R6106HF 6-Channel Park Flyer
Dimensions: 1-1/2 x 7/8 x 1/2 in (39 x 22 x 12 mm)
Weight: 0.3 oz (6.9 g)
FUTL7650



R6106HFC 6-Channel Mid-Range Air
Dimensions: 1-1/2 x 7/8 x 1/2 in (39 x 22 x 12 mm)
Weight: 0.3 oz (7.3 g)
FUTL7651



R617FS 7-Channel Air
Dimensions: 1-11/16 x 1-1/8 x 3/8 in (42 x 28 x 9 mm)
Weight: 0.33 oz (9.8 g); Weight w/o case: 0.22 oz (6.4 g)
FUTL7627



R6008HS 8-Channel HS
Dimensions: 1-7/8 x 1 x 9/16 in (47 x 25 x 14 mm)
Weight: 0.48 oz (14.0 g); Weight w/o case: 0.33 oz (9.3 g)
FUTL7639



R603FF 3-Channel Surface
Dimensions: 1-1/2 x 1 x 9/16 in (39 x 26 x 14 mm)
Weight: 0.5 oz (13.0 g)
FUTL7631



R603FS 3-Channel Surface
Dimensions: 1-1/2 x 1 x 9/16 in (39 x 26 x 14 mm)
Weight: 0.5 oz (13.0 g)
FUTL7630



R604FS 4-Channel Surface
Dimensions: 1-9/16 x 1 x 9/16 in (39 x 26 x 14 mm)
Weight: 0.5 oz (13.0 g)
FUTL7634



R6014HS 14-Channel Air
Dimensions: 2-1/2 x 1-1/2 x 5/8 in (52 x 38 x 16 mm)
Weight: 0.8 oz (22.0 g)
FUTL7645



R6108SB 8-Channel Programmable Air
Dimensions: 1-7/8 x 1 x 9/16 in (47 x 25 x 14 mm)
Weight: 0.5 oz (14.0 g); Weight w/o case: 0.33 oz (9.3 g)
FUTL7660

FASST Wireless Trainer System

Flight instruction with wireless convenience

- Eliminates cumbersome trainer cords, allowing the instructor and student to stand up to 30 feet (9 m) apart
- Plugs into the micro port of any instructor's transmitter and attaches to the back with included hook-and-loop material
- Easy to program through the instructor's transmitter

Dimensions: 7/8 x 1-9/16 x 1/2 in (23 x 40 x 13 mm)
Weight: 0.3 oz (8.0 g)

Instructor's transmitter can be 72MHz, 50MHz or 2.4GHz. Student's transmitter must be a 2.4GHz FASST system.



FUTM1010

S.Bus System

Revolutionary, cutting-edge technology!



Stop cable clutter with the innovative S.Bus system. It uses digital serial data communication technology to transmit control signals between your receiver and servos. A single S.Bus cable can carry signals to as many channels as your transmitter can handle. You no longer have to worry about plugging in the wrong servo to the wrong channel, because each servo knows what channel it is dedicated to in advance.

S.Bus receivers are limited only by the number of channels your transmitter will handle. Don't have S.Bus servos? No problem. SBD-1 S.Bus Decoder Cables let you use existing analog and digital servos, too. The Futaba S.Bus system is nothing short of revolutionary – and the revolution's just beginning.

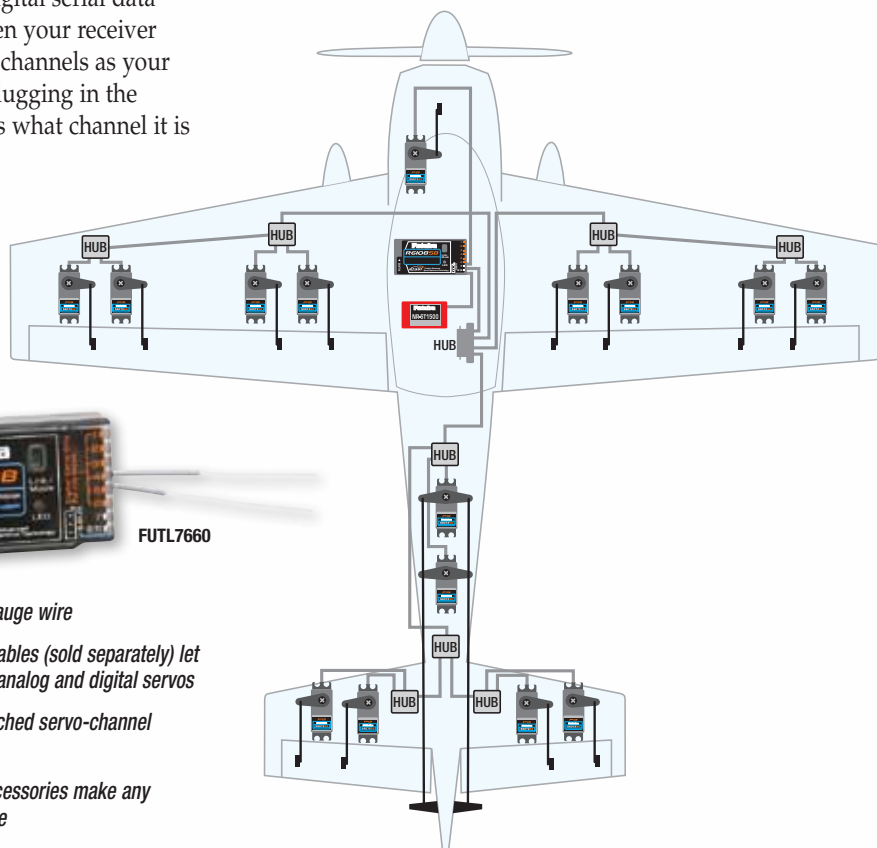
R6108SB 8-Channel Programmable Receiver

Dimensions: 1-7/8 x 1 x 9/16 (47 x 25 x 14 mm)
Weight: 0.5 oz (14.0 g)



Features

- Eliminates clutter
- Easy programming with the SBC-1 Channel Setting Tool, S.Bus receivers or PCLink software
- No receiver channel limits (except by those on your transmitter)
- Plug in battery packs anywhere you wish
- Heavy-duty 20-gauge wire
- SBD-1 decoder cables (sold separately) let you use existing analog and digital servos
- Prevents mismatched servo-channel connections
- S.Bus system accessories make any installation simple



S.Bus Accessories



FUTM4190 SBC-1 S.Bus
Channel Setting Tool



FUTM4191 SBD-1 S.Bus Decoder – 63 in (1600 mm)
FUTM4192 SBD-1 S.Bus Decoder – 43 in (1100 mm)
FUTM4193 SBD-1 S.Bus Decoder – 16 in (400 mm)



FUTM4195 S.Bus Hub w/Cable – 12 in (300 mm)
FUTM4196 S.Bus Hub w/Cable – 39 in (1000 mm)



FUTM4200 4-Way Terminal Box

S.Bus Servo Options



S9070SB Digital Servo

Volts	Torque	Speed
4.8V	63 oz-in (5 kg/cm)	0.18 sec/60°
6.0V	76 oz-in (6 kg/cm)	0.15 sec/60°
Dimensions		Weight
1 x 3/4 x 1 in (36 x 20 x 25 mm)		1.1 oz (32 g)
FUTM0450	2BB	



S9071SB Digital Servo

Volts	Torque	Speed
4.8V	53 oz-in (4 kg/cm)	0.15 sec/60°
6.0V	64 oz-in (5 kg/cm)	0.11 sec/60°
Dimensions		Weight
1 x 9/16 x 1 in (36 x 15 x 29 mm)		0.9 oz (25 g)
FUTM0451	2BB	



S9072SB Digital Servo

Volts	Torque	Speed
4.8V	97 oz-in (7.0 kg/cm)	0.12 sec/60°
6.0V	121 oz-in (9 kg/cm)	0.10 sec/60°
Dimensions		Weight
2 x 13/16 x 1 in (40 x 20 x 37 mm)		2 oz (57 g)
FUTM0452	2BB	



S3171SB Slim Digital Servo

Volts	Torque	Speed
4.8V	51 oz-in (4 kg/cm)	0.24 sec/60°
6.0V	—	—
Dimensions		Weight
1 x 7/16 x 1 in (30 x 11 x 29 mm)		0.8 oz (20 g)
FUTM0461	2BB	

G and GY Series Gyros

First-class gyros for first-class pilots.

With a Futaba gyro in your favorite heli, you're ready to enjoy unmatched stability and performance whenever you fly. There's a Futaba gyro for helis ranging from micro electrics to 3D nitro monsters and gyro/digital servo combinations guaranteed to deliver pinpoint accuracy and lightning-fast response!

GY MEMS Technology



Cutting-edge technology – revolutionary performance!

MEMS combination of higher frame rates, ultra high-speed processing and an advanced PID control algorithm give GY Series gyros a next-generation performance edge over other heading-hold gyros!



Exclusively from Futaba!

All Futaba MEMS and SMM (Silicon Micro Machine) gyros feature AVCS, the most positive form of tail control available. Sensors send a constant stream of data to the servo, even when the tail is at rest. This enables AVCS gyros to self-adjust for side winds and drift, without trim changes by the pilot.

GY520



FUTM0810
(shown actual size)

Dimensions: 13/16 x 13/16 x 3/8 in
(21 x 21 x 10 mm)
Weight: 0.24 oz (6.9 g)

The smallest, lightest and most advanced gyro in the world!

- Weighs only 6.9 g
- Improved, ultra high-speed processing rates and an 800°/second rate range offer faster, smoother response and consistent pirouette rates and premium performance with digital and brushless servos
- Great for everything from electric micros to .90-size 3D monsters
- MEMS (Micro ElectroMechanical System) sensor detects smaller angle deviations than any other technology for incredible precision
- Programmable with push-button or PC & CIU-2
- Available alone, or in four gyro/servo combos

FUTM0811 GY520 w/S9254 digital servo
FUTM0812 GY520 w/S9257 digital servo

FUTM0813 GY520 w/BLS251 brushless servo
FUTM0814 GY520 w/BLS254 brushless servo

CIU-2 USB Interface



FUTM0951

Dimensions: 2-1/4 x 11/16 x 2-1/4 x 3/8 in
(57 x 19 x 9 mm)

The simple hook-up for sophisticated GY520 programming

- Requires Windows®-compatible PC w/USB port
- Free software available at futaba-rc.com

Compatible with Windows® Vista/XP/2000/7

G190 Micro Piezo Gyro



FUTM0830

Dimensions: 7/8 x 7/8 x 3/8 in (22 x 23 x 8.9 mm)
Weight: 0.24 (6.7 g)

- Gyro gain



FUTM0809

GY240 w/SMM

- AVCS/Normal Modes
- Normal/Reverse Rotation

Dimensions: 1-1/16 x 1-1/16 x 13/16 in (27 x 27 x 20 mm)
Weight: 0.88 oz (25 g)



FUTM0807

GY401 w/SMM

- Remote Gain*
- AVCS/Normal Modes*
- Normal/Reverse Rotation
- Digital Servo On/Off
- Travel Limit Setting
- Control Delay

* = transmitter-adjustable

Dimensions: 1-1/16 x 1-1/16 x 13/16 in (27 x 27 x 20 mm)
Weight: 0.92 oz (26 g)

Also available: FUTM0808 GY401 w/S9254 digital servo



FUTM0825

GY611 Heading Hold Gyro w/SMM & S9256 Digital Servo

- High-resolution, 12-bit A/D microprocessor w/760 ms pulse rate
- Gyro & Rudder Gain* (w/independent settings for AVCS/Normal modes)
- Program directly on the amp, or remotely through 14MZ, 12Z, 12FG and 10C/G transmitters
- Gain Tracking
- F3C/3D Flight Modes
- Control Delay (w/independent settings for rudder stick, input and return movements)
- Normal/AVCS/CMT Modes*
- Low battery alarm

* = adjusts from transmitter or on amp

Sensor Dimensions / Weight: 2-1/4 x 1-1/4 x 9/16 in (30 x 30 x 18 mm) / 1.1 oz (30 g)
Amp Dimensions / Weight: 1-3/16 x 1-3/16 x 11/16 in (57 x 32 x 15 mm) / 1.2 oz (34 g)

Brushless Servos

The first — and still the best...

When Futaba introduced its brushless servo — the BLS251 — in 2007, we were the first to combine the benefits of digital (improved precision, resolution, accuracy and holding power) with the benefits of brushless motors (longer-lasting, vibration-resistant, more efficiency and less maintenance).

Since then, that single servo has expanded to 16 cutting-edge servo choices. And if you want further proof of our commitment, we're already introducing our *second* generation of brushless servos. Futaba brushless servos: the first — and still the best.

...Outlasts brushed servos 5:1!

Brushless benefits:

- 30% faster response times
- Greater resistance to jolts and vibration
- Smoother operation — thanks to dual bearings and strong Samarium Cobalt magnets
- Same power consumption as brushed digital servos
- Same compact case size as standard servos
- Exceptionally durable geartrain

Mini/Micro



BLS153 Mini Air

Volts	Torque	Speed
4.8V	76 oz-in (5.5 kg/cm)	0.15 sec/60°
6.0V	97 oz-in (7.0 kg/cm)	0.12 sec/60°
Dimensions		Weight
1-7/16 x 9/16 x 1-1/8 in (36 x 15 x 29 mm)		0.9 oz (26 g)

FUTM0513

2BB		BLS
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BLS651 Mini Car

Volts	Torque	Speed
4.8V	76 oz-in (5.5 kg/cm)	0.15 sec/60°
6.0V	97 oz-in (7.0 kg/cm)	0.12 sec/60°
Dimensions		Weight
1-7/16 x 9/16 x 1-1/8 in (36 x 15 x 29 mm)		0.9 oz (26 g)

FUTM0567

2BB		BLS
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Specialty



BLS154 Low-Profile Aileron

Volts	Torque	Speed
4.8V	111 oz-in (8.0 kg/cm)	0.13 sec/60°
6.0V	—	—
Dimensions		Weight
1-7/8 x 1-1/16 x 1 in (48 x 27 x 25 mm)		1.8 oz (50 g)

FUTM0514

2BB	WP	BLS
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BLS251 Heli Rudder

Volts	Torque	Speed
4.8V	53 oz-in (3.8 kg/cm)	0.06 sec/60°
6.0V	—	—
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.2 oz (61 g)

FUTM0521

2BB	MG	WP	BLS	MCC
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BLS254 Heli Rudder

Volts	Torque	Speed
4.8V	53 oz-in (3.8 kg/cm)	0.06 sec/60°
6.0V	—	—
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		1.8 oz (51 g)

FUTM0524

2BB	WP	BLS
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BLS257 Mini Heli

Volts	Torque	Speed
4.8V	36 oz-in (2.6 kg/cm)	0.07 sec/60°
6.0V	—	—
Dimensions		Weight
1-7/16 x 9/16 x 1-1/8 in (36 x 15 x 29 mm)		0.9 oz (26 g)

FUTM0527

2BB		BLS
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BLS551 Low-Profile Car

Volts	Torque	Speed
4.8V	102 oz-in (7.4 kg/cm)	0.13 sec/60°
6.0V	128 oz-in (9.2 kg/cm)	0.10 sec/60°
Dimensions		Weight
1-5/8 x 13/16 x 1 in (41 x 20 x 25 mm)		1.6 oz (44 g)

FUTM0564

2BB	MG	WP	BLS
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BB = Ball Bearing MG = Metal Gear WP = Water Protected BLS = Brushless Motor MCC = Metal Center Case

Standard



BLS151

Volts	Torque	Speed
4.8V	133 oz-in (9.6 kg/cm)	0.15 sec/60°
6.0V	—	—
Dimensions		Weight
1-9/16 x 13/16 x 1-3/8 in (40 x 20 x 35 mm)		1.6 oz (45 g)
FUTM0511	2BB	WP BLS



BLS351 High-Torque

Volts	Torque	Speed
4.8V	173 oz-in (12.5 kg/cm)	0.16 sec/60°
6.0V	217 oz-in (15.6 kg/cm)	0.13 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.2 oz (63 g)
FUTM0551	2BB MG WP BLS MCC	



BLS152 Super High-Torque Air

Volts	Torque	Speed
4.8V	—	—
6.0V	431 oz-in (31.0 kg/cm)	0.14 sec/60°
Dimensions		Weight
1-5/8 x 13/16 x 1-1/2 in (41 x 21 x 38 mm)		2.6 oz (73 g)
FUTM0512	2BB MG WP BLS MCC	



BLS352 High-Torque

Volts	Torque	Speed
4.8V	200 oz-in (14.4 kg/cm)	0.19 sec/60°
6.0V	250 oz-in (18.0 kg/cm)	0.15 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.2 oz (63 g)
FUTM0554	2BB MG WP BLS MCC	



BLS155

Volts	Torque	Speed
4.8V	200 oz-in (14.4 kg/cm)	0.19 sec/60°
6.0V	250 oz-in (18.0 kg/cm)	0.15 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.3 oz (64 g)
FUTM0515	2BB MG WP BLS MCC	



BLS451 High-Speed

Volts	Torque	Speed
4.8V	118 oz-in (8.5 kg/cm)	0.13 sec/60°
6.0V	147 oz-in (10.6 kg/cm)	0.10 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.1 oz (58 g)
FUTM0552	2BB MG WP BLS	



BLS252 F3C Heli

Volts	Torque	Speed
4.8V	139 oz-in (10.0 kg/cm)	0.16 sec/60°
6.0V	175 oz-in (12.6 kg/cm)	0.13 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.1 oz (58 g)
FUTM0522	2BB MG WP BLS	



BLS253 3D Heli

Volts	Torque	Speed
4.8V	117 oz-in (8.4 kg/cm)	0.13 sec/60°
6.0V	147 oz-in (10.6 kg/cm)	0.10 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.1 oz (58 g)
FUTM0523	2BB MG WP BLS	



BLS452 High-Torque

Volts	Torque	Speed
4.8V	156 oz-in (11.2 kg/cm)	0.18 sec/60°
6.0V	194 oz-in (14.0 kg/cm)	0.14 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.1 oz (58 g)
FUTM0553	2BB MG WP BLS	

Digital Servos

The Digital Decade

Futaba introduced digital servos in 1999 to give competitive pilots and drivers a performance edge. Their higher pulse rate was the key: It allows digital servos to respond five times before an analog servo can respond even once.

Deadband virtually disappears while resolution increases. As a result, digital servos respond faster, hold stronger and center more accurately than the analog servos you've used in the past.

Futaba's 2010 lineup boasts more than thirty next-generation digital servos, not including the digital-brushless servos. They include micro servos with metal gears as well as giant-scale workhorses. Sport and all-purpose servos, plus specialized servos for heli rudders, ailerons and gyros. Tiny, 7.9 gram micros with 21 ounce-inches of torque... and standard servos that deliver 425 ounce-inches of torque — in just fourteen-hundredths of a second!

For revolutionary response and power, choose Futaba digital servos.

Mini/Micro



S3150 Slim Wing

Volts	Torque	Speed
4.8V	51 oz-in (3.7 kg/cm)	0.24 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-3/16 x 7/16 x 1-1/8 in (30 x 11 x 29 mm)		0.81 oz (23 g)
FUTM0303		
	2BB	MG 3P



S3153MG Micro

Volts	Torque	Speed
4.8V	19 oz-in (1.4 kg/cm)	0.13 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.11 sec/60°
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.38 oz (11 g)
FUTM0652		
	BB	MG 3P



S3153 Micro

Volts	Torque	Speed
4.8V	19 oz-in (1.4 kg/cm)	0.12 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.10 sec/60°
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.34 oz (9.6 g)
FUTM0653		
	BB	3P



S3154 High-Torque High-Speed Micro

Volts	Torque	Speed
4.8V	21 oz-in (1.5 kg/cm)	0.10 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.09 sec/60°
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.28 oz (7.9 g)
FUTM0654		
		3P



S3155 High-Speed Slim

Volts	Torque	Speed
4.8V	28 oz-in (2.0 kg/cm)	0.16 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-3/16 x 7/16 x 1-1/8 in (30 x 11 x 29 mm)		0.72 oz (20 g)
FUTM0655		
	2BB	MG 3P



S3156MG Micro

Volts	Torque	Speed
4.8V	28 oz-in (2.0 kg/cm)	0.13 sec/60°
6.0V	33 oz-in (2.4 kg/cm)	0.11 sec/60°
Dimensions		Weight
7/8 x 7/16 x 7/8 in (22 x 11 x 22 mm)		0.33 oz (9.3 g)
FUTM0656		
	BB	MG 3P



S3157 High-Torque High-Speed Micro

Volts	Torque	Speed
4.8V	21 oz-in (1.5 kg/cm)	0.10 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.09 sec/60°
Dimensions		Weight
7/8 x 7/16 x 7/8 in (22 x 11 x 23 mm)		0.29 oz (8.3 g)
FUTM0657		
		3P



S3157M Micro w/Micro Plug

Volts	Torque	Speed
4.8V	21 oz-in (1.5 kg/cm)	0.10 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.09 sec/60°
Dimensions		Weight
7/8 x 7/16 x 7/8 in (22 x 11 x 23 mm)		0.28 oz (7.8 g)
FUTM0705		
		3P



S9070 Programmable Mini

Volts	Torque	Speed
4.8V	63 oz-in (4.5 kg/cm)	0.18 sec/60°
6.0V	76 oz-in (5.5 kg/cm)	0.15 sec/60°
Dimensions		Weight
1-7/16 x 13/16 x 1 in (36 x 20 x 25 mm)		1.1 oz (32 g)
FUTM0150		
	2BB	MG CM



S9650 Mini

Volts	Torque	Speed
4.8V	50 oz-in (3.6 kg/cm)	0.14 sec/60°
6.0V	63 oz-in (4.5 kg/cm)	0.11 sec/60°
Dimensions		Weight
1-7/16 x 9/16 x 1-1/8 in (36 x 15 x 29 mm)		0.92 oz (26 g)
FUTM0260		
	2BB	CM

Standard



S3050 High-Torque Standard

Volts	Torque	Speed
4.8V	72 oz-in (5.2 kg/cm)	0.20 sec/60°
6.0V	90 oz-in (6.5 kg/cm)	0.16 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-1/2 in (40 x 20 x 38 mm)		1.7 oz (49 g)
FUTM0300		
	2BB	MG 3P



S3152 High-Torque

Volts	Torque	Speed
4.8V	70 oz-in (5.0 kg/cm)	0.22 sec/60°
6.0V	88 oz-in (6.3 kg/cm)	0.18 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-1/2 in (40 x 20 x 38 mm)		1.5 oz (41 g)
FUTM0311		
	BB	3P



S9155 High-Torque Air

Volts	Torque	Speed
4.8V	153 oz-in (11.0 kg/cm)	0.16 sec/60°
6.0V	192 oz-in (13.8 kg/cm)	0.13 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.2 oz (61 g)
FUTM0215		
	2BB	MG WP CM MCC



S9250 Heli

Volts	Torque	Speed
4.8V	76 oz-in (5.5 kg/cm)	0.11 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-5/8 x 13/16 x 1-1/2 in (41 x 20 x 38 mm)		1.9 oz (54 g)
FUTM0220		
	2BB	MG WP CM



S9350 High-Torque

Volts	Torque	Speed
4.8V	111 oz-in (8.0 kg/cm)	0.15 sec/60°
6.0V	139 oz-in (10.0 kg/cm)	0.12 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.2 oz (61 g)
FUTM0235		
	2BB	MG WP CM MCC

BB = Ball Bearing MG = Metal Gear WP = Water Protected CM = Coreless Motor 3P = 3-pole Motor 5P = 5-pole Motor MCC = Metal Center Case

Large/Specialty



The S9250 (and its surface counterpart, the S9450) gave modelers a first look at what digital servos could do.



S3151 Sport

Volts	Torque	Speed
4.8V	43 oz-in (3.1 kg/cm)	0.21 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-5/8 x 13/16 x 1-7/16 in (41 x 20 x 36 mm)		1.5 oz (42 g)

FUTM0310

BB		3P
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S9151 Rudder

Volts	Torque	Speed
4.8V	132 oz-in (9.5 kg/cm)	0.19 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		1.8 oz (50 g)

FUTM0211

2BB	WP	CM
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S9156 High-Torque Air

Volts	Torque	Speed
4.8V	272 oz-in (19.6 kg/cm)	0.21 sec/60°
6.0V	340 oz-in (24.5 kg/cm)	0.17 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.2 oz (63 g)

FUTM0216

2BB	MG	WP	CM	MCC
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S9252 All-Purpose

Volts	Torque	Speed
4.8V	92 oz-in (6.6 kg/cm)	0.14 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		1.8 oz (50 g)

FUTM0222

2BB	MG	WP	CM
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S9351 High-Torque

Volts	Torque	Speed
4.8V	153 oz-in (11.0 kg/cm)	0.16 sec/60°
6.0V	192 oz-in (13.8 kg/cm)	0.13 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.2 oz (61 g)

FUTM0236

2BB	MG	WP	CM	MCC
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S3170G Retractable Servo

Volts	Torque	Speed
4.8V	94 oz-in (7.0 kg/cm)	0.57 sec/60°
6.0V	118 oz-in (8.5 kg/cm)	0.47 sec/60°
Dimensions		Weight
1-3/8 x 5/8 x 1.0 in (35 x 16 x 26 mm)		0.9 oz (26 g)

FUTM0671

2BB	MG	3P
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S9152 Mega High-Torque

Volts	Torque	Speed
4.8V	222 oz-in (16.0 kg/cm)	0.23 sec/60°
6.0V	278 oz-in (20.0 kg/cm)	0.19 sec/60°
Dimensions		Weight
1-15/16 x 1 x 1-9/16 in (49 x 25 x 40 mm)		3.0 oz (85 g)

FUTM0212

2BB	MG	WP	CM	MCC
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S9154 High-Speed Low-Profile Aileron

Volts	Torque	Speed
4.8V	64 oz-in (4.6 kg/cm)	0.14 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-7/8 x 1-1/16 x 1 in (48 x 27 x 25 mm)		1.9 oz (53 g)

FUTM0214

2BB	WP	CM
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S9254 High-Torque High-Speed Heli

Volts	Torque	Speed
4.8V	47 oz-in (3.4 kg/cm)	0.06 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		1.7 oz (49 g)

FUTM0224

2BB	WP	CM
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S9157 High-Torque

Volts	Torque	Speed
4.8V	n/a	n/a
6.0V	425 oz-in (30.6 kg/cm)	0.14 sec/60°
Dimensions		Weight
1-5/8 x 13/16 x 1-7/16 in (41 x 21 x 37 mm)		2.5 oz (71 g)

FUTM0217

2BB	MG	WP	CM	MCC
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S9255 High-Torque Heli

Volts	Torque	Speed
4.8V	125 oz-in (9.0 kg/cm)	0.16 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		1.9 oz (55 g)

FUTM0225

2BB	MG	WP	CM
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S9452 High-Torque High-Speed

Volts	Torque	Speed
4.8V	102 oz-in (7.4 kg/cm)	0.13 sec/60°
6.0V	128 oz-in (9.2 kg/cm)	0.11 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-5/16 in (40 x 20 x 34 mm)		1.8 oz (50 g)

FUTM0662

2BB	MG	WP	CM
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S5050 High-Torque

Volts	Torque	Speed
4.8V	211 oz-in (15.2 kg/cm)	0.25 sec/60°
6.0V	264 oz-in (19.0 kg/cm)	0.20 sec/60°
Dimensions		Weight
2-5/16 x 1-1/8 x 1-15/16 in (59 x 29 x 50 mm)		4.5 oz (127 g)

FUTM0255

2BB	MG	WP	CM
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S9153 High-Torque High-Speed

Volts	Torque	Speed
4.8V	167 oz-in (12.0 kg/cm)	0.18 sec/60°
6.0V	208 oz-in (15.0 kg/cm)	0.15 sec/60°
Dimensions		Weight
1-15/16 x 1 x 1-9/16 in (49 x 25 x 40 mm)		3.0 oz (85 g)

FUTM0213

2BB	MG	WP	CM	MCC
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S9251 For GY601/GY611 Gyro

Volts	Torque	Speed
4.8V	51 oz-in (3.7 kg/cm)	0.07 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.0 oz (57 g)

FUTM0221

2BB	MG	WP	CM	MCC
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S9256 High-Speed for GY601/GY611 Gyro

Volts	Torque	Speed
4.8V	47 oz-in (3.4 kg/cm)	0.06 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 37 mm)		2.0 oz (57 g)

FUTM0226

2BB	MG	WP	CM	MCC
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S9257 EP Heli Rudder

Volts	Torque	Speed
4.8V	28 oz-in (2.0 kg/cm)	0.08 sec/60°
6.0V	n/a	n/a
Dimensions		Weight
1-7/16 x 9/16 x 1-1/8 in (36 x 15 x 29 mm)		0.92 oz (26 g)

FUTM0667

2BB	CM
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S9551 Low-Profile

Volts	Torque	Speed
4.8V	98 oz-in (7.0 kg/cm)	0.14 sec/60°
6.0V	122 oz-in (8.8 kg/cm)	0.11 sec/60°
Dimensions		Weight
1-5/8 x 13/16 x 1 in (41 x 20 x 25 mm)		1.6 oz (45 g)

FUTM0661

2BB	MG	WP	CM
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Analog Servos

Power and speed for every R/C application.

For any type of radio-controlled model, Futaba has the ideal servo. That holds true whether the application requires a special size, specific torque or faster speed. Whatever the function, there's a Futaba servo to meet it — housed in an impact- and fuel-resistant case to protect your investment.

Mini/Micro



S3016 Mini

Volts	Torque	Speed
4.8V	47 oz-in (3.4 kg/cm)	0.25 sec/60°
6.0V	58 oz-in (4.2 kg/cm)	0.20 sec/60°
Dimensions		Weight
1-3/16 x 9/16 x 1-3/16 in (31 x 16 x 31 mm)		1.2 oz (34 g)
FUTM0032		
	2BB	MG 3P



S3102 Micro Aircraft

Volts	Torque	Speed
4.8V	51 oz-in (3.7 kg/cm)	0.25 sec/60°
6.0V	64 oz-in (4.6 kg/cm)	0.20 sec/60°
Dimensions		Weight
1-1/8 x 1/2 x 1-3/16 in (28 x 13 x 30 mm)		0.74 oz (21 g)
FUTM0034		
	MG	3P



S3107 Micro

Volts	Torque	Speed
4.8V	17 oz-in (1.2 kg/cm)	0.12 sec/60°
6.0V	—	—
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.32 oz (9.0 g)
FUTM0025		
		3P



S3111 Micro

Volts	Torque	Speed
4.8V	8.3 oz-in (0.6 kg/cm)	0.12 sec/60°
6.0V	—	—
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.22 oz (6.3 g)
FUTM0047		
		3P



S3111M Micro w/Micro Plug

Volts	Torque	Speed
4.8V	8.3 oz-in (0.6 kg/cm)	0.12 sec/60°
6.0V	—	—
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.22 oz (6.3 g)
FUTM0703		
		3P



S3114 High-Torque Micro

Volts	Torque	Speed
4.8V	21 oz-in (1.5 kg/cm)	0.10 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.09 sec/60°
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.28 oz (7.8 g)
FUTM0414		
		3P



S3114M High-Torque Micro w/Micro Plug

Volts	Torque	Speed
4.8V	21 oz-in (1.5 kg/cm)	0.10 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.09 sec/60°
Dimensions		Weight
7/8 x 7/16 x 13/16 in (22 x 11 x 20 mm)		0.26 oz (7.5 g)
FUTM0704		
		3P



S3115 Precision Micro

Volts	Torque	Speed
4.8V	39 oz-in (2.8 kg/cm)	0.15 sec/60°
6.0V	—	—
Dimensions		Weight
1-1/8 x 1/2 x 1-3/16 in (28 x 13 x 30 mm)		0.60 oz (17 g)
FUTM0415		
		3P



S3117 High-Torque Mini/Micro

Volts	Torque	Speed
4.8V	21 oz-in (1.5 kg/cm)	0.10 sec/60°
6.0V	24 oz-in (1.7 kg/cm)	0.09 sec/60°
Dimensions		Weight
7/8 x 7/16 x 7/8 in (22 x 11 x 23 mm)		0.30 oz (8.5 g)
FUTM0417		
		3P



S9002 Coreless Mini

Volts	Torque	Speed
4.8V	34 oz-in (2.5 kg/cm)	0.18 sec/60°
6.0V	43 oz-in (3.1 kg/cm)	0.14 sec/60°
Dimensions		Weight
1-1/4 x 5/8 x 1-1/4 in (31 x 16 x 31 mm)		1.1 oz (31 g)
FUTM0076		
	2BB	CM



S9602 High-Speed Mini Air

Volts	Torque	Speed
4.8V	30 oz-in (2.2 kg/cm)	0.11 sec/60°
6.0V	38 oz-in (2.7 kg/cm)	0.09 sec/60°
Dimensions		Weight
1-7/16 x 9/16 x 1-1/4 in (36 x 15 x 31 mm)		1.1 oz (31 g)
FUTM0107		
	2BB MG	CM

BB = Ball Bearing MG = Metal Gear WP = Water Protected CM = Coreless Motor 3P = 3-pole Motor 5P = 5-pole Motor MCC = Metal Center Case

Standard


S148 Precision

Volts	Torque	Speed
4.8V	33 oz-in (2.4 kg/cm)	0.28 sec/60°
6.0V	42 oz-in (3.0 kg/cm)	0.22 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 36 mm)		1.6 oz (44 g)
FUTM0710		


S3003 Standard

Volts	Torque	Speed
4.8V	44 oz-in (3.2 kg/cm)	0.23 sec/60°
6.0V	57 oz-in (4.1 kg/cm)	0.19 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 36 mm)		1.3 oz (37 g)
FUTM0031		


S3010 High-Torque

Volts	Torque	Speed
4.8V	72 oz-in (5.2 kg/cm)	0.20 sec/60°
6.0V	90 oz-in (6.5 kg/cm)	0.16 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-1/2 in (40 x 20 x 38 mm)		1.5 oz (41 g)
FUTM0043		


S9001 Aircraft

Volts	Torque	Speed
4.8V	54 oz-in (3.9 kg/cm)	0.22 sec/60°
6.0V	72 oz-in (5.2 kg/cm)	0.18 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 36 mm)		1.7 oz (48 g)
FUTM0075		


S9206 High-Torque Heli/Airplane

Volts	Torque	Speed
4.8V	132 oz-in (9.5 kg/cm)	0.19 sec/60°
6.0V	—	—
Dimensions		Weight
1-5/8 x 13/16 x 1-1/2 in (41 x 20 x 38 mm)		1.9 oz (53 g)
FUTM0115		


S9405 High-Torque

Volts	Torque	Speed
4.8V	80 oz-in (5.8 kg/cm)	0.13 sec/60°
6.0V	100 oz-in (7.2 kg/cm)	0.11 sec/60°
Dimensions		Weight
1-5/8 x 13/16 x 1-1/2 in (41 x 20 x 38 mm)		1.9 oz (55 g)
FUTM0098		


S3001 Standard

Volts	Torque	Speed
4.8V	33 oz-in (2.4 kg/cm)	0.28 sec/60°
6.0V	42 oz-in (3.0 kg/cm)	0.22 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 36 mm)		1.6 oz (45 g)
FUTM0029		


S3004 Standard

Volts	Torque	Speed
4.8V	44 oz-in (3.2 kg/cm)	0.23 sec/60°
6.0V	57 oz-in (4.1 kg/cm)	0.19 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-7/16 in (40 x 20 x 36 mm)		1.3 oz (37 g)
FUTM0004		


S3305 High-Torque Standard

Volts	Torque	Speed
4.8V	99 oz-in (7.1 kg/cm)	0.25 sec/60°
6.0V	124 oz-in (8.9 kg/cm)	0.20 sec/60°
Dimensions		Weight
1-9/16 x 13/16 x 1-1/2 in (40 x 20 x 38 mm)		1.7 oz (47 g)
FUTM0045		


S9202 Aircraft

Volts	Torque	Speed
4.8V	56 oz-in (4.0 kg/cm)	0.27 sec/60°
6.0V	69 oz-in (5.0 kg/cm)	0.22 sec/60°
Dimensions		Weight
1-5/8 x 13/16 x 1-7/16 in (41 x 20 x 36 mm)		1.8 oz (50 g)
FUTM0090		


S9402 High-Speed

Volts	Torque	Speed
4.8V	89 oz-in (6.4 kg/cm)	0.12 sec/60°
6.0V	111 oz-in (8.0 kg/cm)	0.10 sec/60°
Dimensions		Weight
1-5/8 x 13/16 x 1-1/2 in (41 x 20 x 38 mm)		1.9 oz (55 g)
FUTM0102		

Large/Specialty


S136G Compact Retractable*

Volts	Torque	Speed
4.8V	61 oz-in (4.4 kg/cm)	0.60 sec/60°
6.0V	76 oz-in (5.5 kg/cm)	0.50 sec/60°
Dimensions		Weight
1-3/4 x 7/8 x 1 in (45 x 23 x 25 mm)		1.5 oz (42 g)
FUTM0670		


S3306 High-Torque High-Speed 1/5 Scale

Volts	Torque	Speed
4.8V	267 oz-in (19.2 kg/cm)	0.20 sec/60°
6.0V	333 oz-in (24.0 kg/cm)	0.16 sec/60°
Dimensions		Weight
2-5/8 x 1-3/16 x 2-1/4 in (66 x 30 x 57 mm)		4.4 oz (126 g)
FUTM0020		


S3802 Sail

Volts	Torque	Speed
4.8V	122 oz-in (8.8 kg/cm)	0.70 sec/60°
6.0V	153 oz-in (11.0 kg/cm)	0.56 sec/60°
Dimensions		Weight
1-3/4 x 7/8 x 1-11/16 in (44 x 23 x 43 mm)		2.5 oz (72 g)
FUTM0039		


S5301 High-Torque 1/4 Scale

Volts	Torque	Speed
4.8V	233 oz-in (16.8 kg/cm)	0.28 sec/60°
6.0V	292 oz-in (21.0 kg/cm)	0.23 sec/60°
Dimensions		Weight
2-5/16 x 1-1/8 x 1-15/16 in (59 x 29 x 50 mm)		4.4 oz (125 g)
FUTM0051		


S5801 Sail Winch

Volts	Torque	Speed
6.0V	108 oz-in (7.8 kg/cm)	0.60 sec/60°
7.2V	136 oz-in (9.8 kg/cm)	0.50 sec/60°
Dimensions		Weight
1-13/16 x 1 x 1-3/4 in (46 x 25 x 44 mm)		2.9 oz (83 g)
FUTM0099		

FASSTPak™, Tx Modules & Module/Rx Sets

- The quick and easy way to outfit your model with the receiver and servos you want!
- Ideal for anyone who wants to use a single transmitter for multiple models!
- Popular combinations for surface and air systems — in a convenient, money-saving package!



FUTL1133

FASSTPaks - Surface			
Stock #	Receiver	Servo(s)	Switch Harness
FUTL1120	R603FF	(2) S3004	•
FUTL1121	R603FF	(2) S3010	•
FUTL1132	R603FS	(1) BLS451	
FUTL1133	R603FS	(1) BLS452	
FUTL1140	R603FS	(2) S9351	•



FUTL1170

FASSTPaks - Air					
Stock #	Receiver	Servo(s)	NiCd	Switch Harness	Aileron Extension
FUTL1160	R616FFM	(3) S3114M			
FUTL1161	R616FFM	(3) S3157M			
FUTL1162	R617FS	(3) S3114			
FUTL1163	R617FS	(3) S3157			
FUTL1170	R617FS	(4) S3004	4.8V 600mAh	•	•
FUTL1171	R617FS	(5) S3001		•	•
FUTL1172	R6008HS	(4) S3004	4.8V 600mAh	•	•
FUTL1173	R6008HS	(4) S3151		•	•

Upgrading to cutting-edge FASST response and dependability is a snap. There's no need to invest in an all-new system; just snap a new transmitter module in place, install a new 2.4GHz receiver — and you're done!



2.4GHz Modules

Five "no-mod" ways to upgrade!

FUTL8925	3PK
FUTL8927	TM-7
FUTL8928	TM-8
FUTL8930	TM-10
FUTL8934	TM-14

2.4GHz Tx Module/Rx Sets

Five perfect module-to-receiver matches!

FUTL8926	R603FS / Tx Module – 3PK
FUTL8951	R617FS / TM-7
FUTL8953	R6008HS / TM-8
FUTL8955	R6014HS / TM-10
FUTL8957	R6014HS / TM-14

Transmitters	Modules			
	TM-7	TM-8	TM-10	TM-14
7U	•	•		
8U	•	•		
9C	•	•		
9Z	•	•		
10C	•	•	•	
12FG				•
12Z				•
14MZ				•

Transmitter Bags & Cases

Protection for your investment!



3PK Transmitter Bag
FUTP1000

4PK Metal Transmitter Case
FUTP1012



14MZ Single Metal Transmitter Case
FUTP1018

Team Double Metal Transmitter Case
FUTP1020



3PK Metal Transmitter Case
FUTP1010



Team Single Metal Transmitter Case
FUTP1015



Apparel and Gear

Stand out from the crowd with authentic Futaba merchandise!



Futaba Winter Jacket (M-2XLTall)

- Water-resistant nylon shell with stretch knit cuffs and waistband
- Panda fleece lining
- Double-stitched seams



Futaba Fleece Jacket

- Provides warmth without the weight
- Features an orange Futaba logo on the front left side and an orange/white FASST logo on the back right shoulder
- Available in black and orange, in sizes XS-6XL



FASST T-Shirt-Orange
(M-XXXL)



Futaba T-Shirt-Orange
(M-XXL)

Futaba Straw Hat

- Made of natural woven fibers with a black cloth band
- Elastic headband stitched inside insures a comfortable fit



FUTZ7301



Futaba Truckers Cap
FUTZ7302



Futaba Black/Orange Cap
FUTZ7303

Deluxe Heavy-Duty Folding Chair

- Extra-wide seat and built-in cup holders provide comfort and convenience
- 22 mm tubular steel frame holds up to 350 pounds
- Deluxe carrying case included

FUTZ7316



16 oz Insulated Travel Tumbler

- Keep drinks at the ideal temperature; includes lid

FUTZ7323



Microfiber Towel

- Made of soft, highly absorbent microfiber material

FUTZ7325



- FUTZ7310 Orange Futaba Flag
- FUTZ7322 Orange FASST Can Koozie
- FUTZ9910 Orange Futaba Event Banner 3' x 4'
- FUTZ9911 Orange Futaba Event Banner 3' x 8'

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