

# Preliminary announcement 2.4 GHz RF modules and receivers

for converting existing RC systems to 2.4 GHz technology

The new range of RF modules and receivers are designed to convert existing robbe/Futaba radio control systems to the new 2.4 GHz FASST technology, with all its advantages.



#### Advantages of 2.4 GHz

##### Futaba Advanced Spread Spectrum Technology:

- No crystals
- No need to select spot frequencies
- Maximum rejection of same-channel interference
- Optimum interference suppression
- High bandwidth – greater security
- High-speed frequency hopping
- Standard range (approx. 900 m)



The transmitter and receiver hop simultaneously from channel to channel every 2 ms, maintaining the same rhythm. There are no signal conflicts or interruptions due to the brief period of use of each frequency; narrow-band interference is also suppressed extremely effectively.

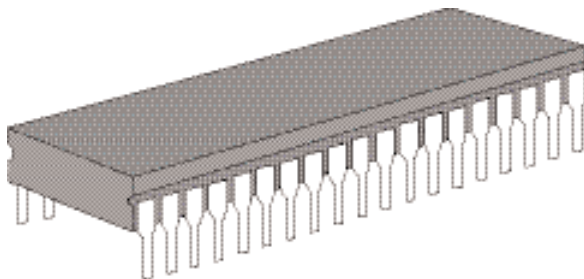


FASST receivers scan the input signal constantly, and special software technology automatically corrects any data errors.



The aerial diversity system constantly checks the signal level of both aerial inputs, and switches lightning-fast to the stronger signal, with zero transition delay.

**Standard range - approx. 900 metres**



### Easy Link – simple binding

An identification code with more than 130 million possible combinations is transmitted simultaneously; this is stored in the receiver, fixing it (“binding”) permanently to this transmitter. Regardless of which transmitter logs on to the ISM band, the receiver only accepts the signals from this one transmitter. Binding additional receivers to the transmitter simply involves pressing a button on the receiver.

### Customized IC Chip

Special customer-specific IC chips are employed for FASST technology; they have been developed by Futaba specifically for the requirements of RC radio control technology.

This is the only means of guaranteeing high quality standards and reliability.

### Real-Time response

The response time (the delay between moving the stick and the servo responding) of the FASST system is twice as fast as previous 2.4 GHz systems. The result is virtually real-time control, i.e. an extremely direct feeling of control.

### Additional features:

Robbe/Futaba RF modules are closed systems with an integral aerial, and require no external aerial leads or connectors.

The R 606FS and 607FS receivers are extremely small and light (9 g) and are equally suitable for use in very small models – such as indoor and slow-fly types – and in large model aircraft.

**They constitute receivers for all applications.**

**TM-7 2,4 GHz**



**2.4 GHz FASST RF module**

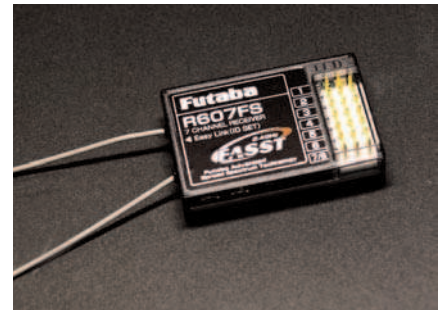
**TM-7**

**No. F 1957**

7-channel RF module for converting robbe/Futaba transmitters fitted with standard external RF modules, such as the FF-7 (T7U), FF-8 (T8U), FF-9 (T9C), PCM 1024-9Z, F-16, FC-18 and FC-28. For use with the R 607FS receiver.

Available: Summer 2007

**R 607FS 2,4 GHz**



**2.4 GHz FASST receiver**

**R 607FS**

**No. F 0957**

Small, lightweight 7-channel receiver (only 9 g), suitable for use with the TM-7 RF module.

Available: Summer 2007

**TM-8 2,4 GHz**



**2.4 GHz FASST RF module**

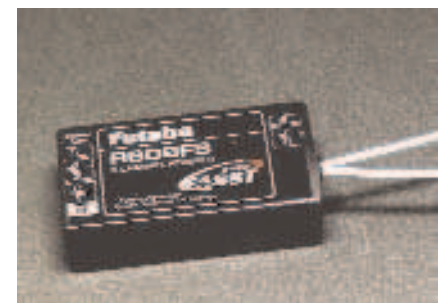
**TM-8**

**No. F 1958**

8-channel RF module for converting robbe/Futaba transmitters fitted with standard external RF modules, such as the FF-7 (T7U), FF-8 (T8U), FF-9 (T9C), PCM 1024-9Z, F-16, FC-18 and FC-28. The channel count can be switched for use with R 607FS, R 608FS and R 6014FS receivers

Available: late Summer 2007

**R 608FS 2,4 GHz**



**2.4 GHz FASST receiver**

**R 608FS**

**No. F 0958**

Small, light 8-channel receiver of ultra-narrow format for slim models, suitable for use with the TM-8 RF module.

Available: late Summer 2007

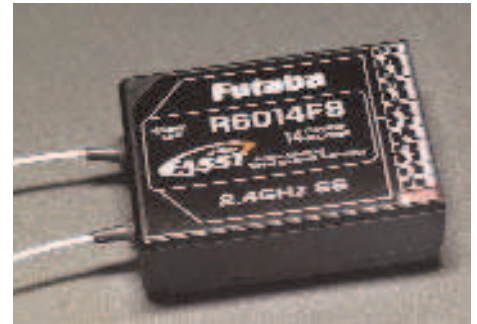


**TM-14 2,4 GHz**



**2.4 GHz FASST RF module  
TM-14 No. F 1959**  
12 / 14-channel RF module for converting robbe/Futaba transmitters fitted with the MZ-FM RF module, such as the T12Z, T12FG and T14MZ. The channel count can be switched for use with R 606FS, R 607FS, R 608FS and R 6014FS receivers.  
Available: late Summer 2007

**R 6014FS 2,4 GHz**



**2.4 GHz FASST receiver  
R 6014FS No. F 0959**  
Compact, lightweight 14-channel receiver, suitable for use with the TM-14 RF module.  
Available: late Summer 2007

**Preview of additional New Items in late Summer 2007**

**FF-7 (T7CP) 2,4 GHz FASST**



**T12FG 2,4 GHz FASST**



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