

## New 2.4 GHz FASST products

The latest practical tests confirm the long range of the Futaba FASST system:

**Ground – ground: more than 2000 metres range ! (receiver at 1.5 metres above ground, visual contact)**

**Ground – air: more than 3000 metres range ! (with visual contact to receiver)**

### 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 (2000 m)



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



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.



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.



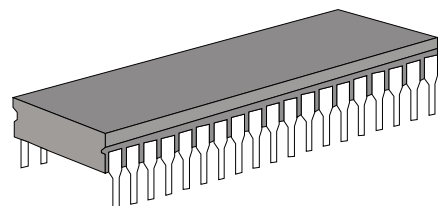
#### Easy Link – simple binding

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.



#### 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.



#### 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.