

NEWS

Spring 2009

DUPLEX

2.4 GHz

Receivers for the DUPLEX system

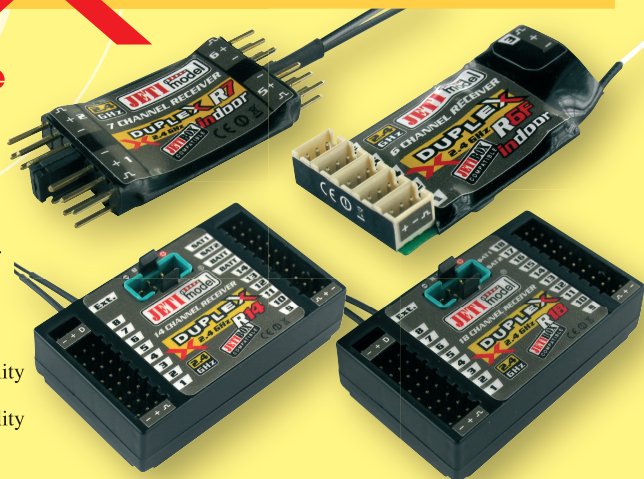
R6F indoor – light 6 channels receiver with JST connectors for servos and CH3 with JR connector for speed controller

R6G indoor – light 6 channels receiver with JST connectors for servos and CH1 with JR connector for speed controller

R7 indoor – light 7 channels receiver

R14 – 14 channels receiver with possibility of using a satellite

R18 – 18 channels receiver with possibility of using a satellite (one satellite is included in the set)

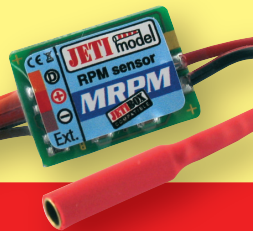


Basic Data	DUPLEX R6F/G indoor	DUPLEX R7 indoor	DUPLEX R14	DUPLEX R18	DUPLEX RSat
Dimensions	38x20x6 mm	44x20x7 mm	62x38x16 mm	62x38x16 mm	27x20x4 mm
Weight	3g	5,5 g	30 g	30 g	4 g
Antenna Length	45 mm	2x 45 mm	2x 400 mm	2x 400 mm	2x 200 mm
# of Channel Outputs	6	7	14	18	-
Temperature Range	- 10 to + 85° C	- 10 to + 85° C	- 10 to + 85° C	- 10 to + 85° C	10 to + 85° C
Supply Voltage	3,2 – 8,4V	3,2 – 8,4V	3,2 – 8,4V	3,2 – 8,4V	3,2 – 8,4V
Average Current	39 mA	39 mA	40 mA	40 mA	35 mA
Real Time Transmission of Telemetric Data	•	•	•	•	•
Programming	JETI BOX	JETI BOX	JETI BOX	JETI BOX	
Satellite Receiver support	-	-	•	1 RSat included	
Max. Power Output	6 dBm	6 dBm	20 dBm	20 dBm	
Receiver Sensitivity	- 98 dBm	- 98 dBm	- 106 dBm	- 106 dBm	- 98 dBm

Accessories for the DUPLEX system

MRPM

MRPM module is designed to measure the RPM of all types of engines. The measurement is performed by using optical sensor. Module MRPM measures actual rotation and actual power of the propeller. The max speed and the max propeller output power are recorded also. For display of measured values is used JETIBOX terminal with the possibility of wireless transmission of information in real time using the DUPLEX 2,4 GHz system.



MVario

Module MV is used for measuring the size of climb, descent, and the relative height. The measurement provides a sensitive sensor of barometric pressure. Range of the sensor is a 100 - 1100 mBar. Module MVario records the maximum height, maximum climb and descent of the model.

For display of measured values is used JETIBOX terminal with the possibility of wireless transmission of information in real time using the DUPLEX 2,4 GHz system. The connection a MVario module and DUPLEX 2,4 GHz system makes possible setting alarm for the climb and descent of the model in four steps. The range of these steps can be set directly in m/s.



DUPLEX 2.4 GHz