www.jetimodel.com



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model electronics



The contents are subject to change without prior notice due to product improvements and specifications changes.

REX JBC (Jeti Box Compatible)

REX JBC receivers are assigned for reception of FM signals in the 27, 35, 35B, 36, 40 and 41 MHz bands. They contain a microprocessor decoder and their ability to communicate with the universal JETIBOX terminal considerably increases their utilization domain

Receiver Supply Type [V]		Sensitivity [µV]	Antenna Length [mm]	Number of Output Channels	Dimensions [mm]	Weight [g]	
	REX 4 JBC	3,5 - 8,4	8	800	4	35 x 20 x 7	6
	REX 6 JBC	3,5 - 8,4	6	1000	6	45 x 24 x 12	13
	REX 8 JBC	3.5 - 8.4	5	1000	8	50 x 30 x 12	17

OPTIC 8

the on board networ

This product ensures an absolute galvanic

decoupling of the RC receiver from further

electric equipment in the model. The optical

decoupling interrupts all ground loops which

and receiver reception guality. OPTIC ensures

blocking of all unwanted signals which may

arise during current passage through servos,

controllers and other equipment connected to

may considerably influence the HF signal

REX MPD

(Microprocessor Pulse Decoding)

These FM receivers are produced for the 27, 35, 35B, 36, 40, 41 and 72 MHz bands. Their main benefit is brought about by the application of an intelligent decoder which gives them properties similar to PCM receivers.



FM-receiver

DUPLEX 2.4 GHz System



The DUPLEX System has been developed for model remote control purposes in the open 2.4 GHz Band. It is not merely a matter of replacement of the classical radio control equipment working in the 35 MHz Band (also 40 MHz etc.), as a matter of fact there had to be developed a complex product, system for unproblematic remote control, surveillance and online transmission of information (acoustical or on screen) showing operational conditions on board of models. Interference problems as well as frequency selection problems belong to the past now and thanks to real time transmission of telemetric data from the model will result in a completely new approach to radio control technology.

DUPLEX 2.4 GHz System



Real Time Transmission of Telemetric Data

One of the great advantages of the DUPLEX-System is its full ability to support bidirectional communication. All receivers and transmitter modules of the DUPLEX- System are adapted to the requirements of real time wireless data transmission. For instance in its basic configuration an arbitrary combination of transmitter and receiver already can transmit actual values of receiver supply voltages.

Technical Data	DUPLEX R4	DUPLEX R5 (R5 indoor)	DUPLEX R6	DUPLEX R6F (R6G) indoor	DUPLEX R7 (R7 indoor)	DUPLEX R8	DUPLEX R14	DUPLEX R18	DUPLEX RSat
Dimensions [mm]	35x20x7	42x20x8	45x24x12	38x20x6	44x20x7	50x30x12	62x38x16	62x38x16	27x20x4
Weight	5 g	5g (4g)	11 g	3 g	5,5 g	15 g	30 g	30 g	4 g
Antenna Length	2 x 100 mm	2x 100 mm (2x 45 mm)	2x 100 mm	30 mm	2x 100 mm (2x 45 mm)	2x 200 mm	2x 400 mm	2x 400 mm	2x 200 mm
Number of Channels	4	5	6	6	7	8	14	18	PPM 16
Operation Temperature	-10 to +85°C	-10 to +85°C	-10 to +85°C	-10 to +85°C	-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	3,2 - 8,4V	3,2 - 8,4V	3,2 - 8,4V	3,2 - 8,4V
Average Current	39 mA	39 mA	40 mA	39 mA	39 mA	48 mA	40 mA	40 mA	35 mA
Real Time Transmission of Telemetric Data	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	-
Programming	JETIBOX	JETIBOX	JETIBOX	JETI BOX	JETI BOX	JETIBOX	JETI BOX	JETI BOX	JETI BOX
Support of a Satellite Receiver	-	-	-	-	-	-	~	✓ 1 SAT in the package	-
Maximum Output Power	6 dBm	6 dBm	20 dBm	6 dBm	6 dBm	20 dBm	20 dBm	20 dBm	6 dBm
Receiver Sensitivity	-98 dBm	-98 dBm	-100 dBm	- 98 dBm	- 98 dBm	-106 dBm	- 106 dBm	- 106 dBm	- 98 dBm

Advantages

- · operation without crystals no necessity to consider frequencies
- · it is not necessary to buy a new transmitter
- · simple and reliable pairing of receivers and transmitters (unrestricted number of receivers for each transmitter) · insensitiveness to interference allows safe operation
- even within areas with high interference levels · digital data transfer ensures undistorted data
- transmission up to the model · maximum reliability
- · bidirectional communication between receiver and transmitter
- real time telemetric data transfer allows at all times
- to follow up the on board model situation · high receiver sensitivity and transmitter power
- ensure control range up to visual range
- · possibility to increase the number of channels up to 16 by application of two receivers
- position and eliminate at the same time formation of so called dear
- acoustic signalling showing receiver state (condition of the receiver current supply, transmission quality etc.)
- of several receivers with a single transmitter, the so called interception (cloping)
- · clear data presentation and simple parameter adjustment with the aid of the JETIBOX
- · Failsafe with defined transfer time lag before switching to the preset channel exit values
- · any arbitrary receiver exit can be related to any arbitrary
- even with the simplest type of transmitter.

DUPLEX 2.4 GHz System

DUPLEX



Complementary modules and equipment which enable an easy follow up of important operational data during flight. The measured values can be directly transmitted with the aid of the 2.4 GHz DUPLEX System from the model to the transmitter and interpreted by the JETIBOX inclusive acoustic signals.

accessories for the DUPLEX System

JETIBOX

The JETIBOX is an universal communication instrument which is able to expand the applicability of all products labelled with the "JETIBOX compatible" logo. Thanks to vivid presentation of values and simple parameter adjustment methods only now the system can be exploited to its full capacity



JET mode

tage & cui

MUI 50

MUI 30, MUI 50, MUI 75 und MUI 150

These modules are on board instruments for measurements of current, voltage and consumed battery capacity.

- · Voltages from 0 up to 60 V with recording of minimum and maximum values.
- Currents from 0 up to 30 A / 50 A / 75 A / 150 A
- with recording of the maximum value.
- · Consumed battery capacity [mAh].
- In flight motor runtime.

MGPS The MGPS Module detects the exact location of the model in space. Furthermore the distance from the start position as well as the rate of climb and rate of descent can be measured. At the same time the flving altitude and

the flying speed can be determined.

MT 125 and MT 300

- These modules represent exact temperature measuring instruments
 - MT 125 comprises two sensors with a range of -55°C up to 125°C
 - MT 300 comprises two sensors with a range of -40°C up to 300°C

MU 3

The module MU 3 precisely measures three independent voltages. It comprises an input with a range of 0 up to 5 V and two inputs with ranges of 0 up to 15 V. **MVARIO**

The MVario Module measures the rate of climb, rate of descent and the relative altitude. It records the maximum altitude, the maximum rate of descent and the maximum rate of climb (in m/s). Thanks to the connection between the MVario Module and the DUPLEX System signalling of the model rate of climb and rate of descent can be transposed to acoustic signals. **MULI6s**

This module measures voltages of single cells (up to 6) in the battery during discharge. The sensor must be connected to the battery via the battery (balancer) service connector. Within the sensor menu there exists the possibility to set a single cell low voltage alert signal including an acoustic signal from the transmitter module. MULI6s also records maximum and minimum voltage values of all single cells. **MRPM and MRPM-AC**

These modules are intended for motor speed measurements of all motor types. In the MRPM Module the measurement itself is executed by an optical sensor, in the MRPCM-AC Module by connecting the module itself to a brushless electric motor. Both MRPM modules measure the actual rpm and the actual propeller output power. Also here values of maximum speed and maximum propeller output power become recorded. **EXPANDER E4**

The modules E4 are used to expand the number of connecting places for further telemetric sensors. In this mannner it becomes possible to connect up to 4 sensors to a DUPLEX receiver. The expander can be set in a manner which enables the JETIBOX to show measured values of concern simultaneously.



accessories for the DUPLEX System





Transmitter/Module	TU	TF	TG/TGi2	TGi	TGs	TMe	TM
Futaba: 7U, 8U, 8J, 9C,9Z, FN, T10C, 3PK, 3PJ, FC-18+, FC-28	~	√	-	-	-	-	-
Futaba: FC-16, FC-18 JUNIOR, T6EXHP, 12FG, 12Z, 14MZ, FX-18, FX-14, T6EXA	~	-	-	-	-	-	-
Hitec: Optic 6, Eclipse 7, Prism 7, Aggressor CRX/SRX	✓	\checkmark	-	-	-	-	-
Hitec: Laser 4, Laser 6, Flash 5, Optic 6 sport	√	_	-	-	-	—	-
Graupner/JR: X-347, X-388, X-9303, MX-22, X-3810 ADT, PCM-10S, PCM-10, XPCM-9X, PCM-9XII	~	-	~	-	-	-	-
Graupner/JR: FM-6014, MC-17/18/20/24	\checkmark	-	-	\checkmark	-	-	-
Graupner: MC-10/12/14/15/16/19/22, MC-16/20, MX-12, MX-16s Graupner/JR: X-2610, XP6102FM	~	_	-	-	-	-	_
Graupner: MX-24s	√	-	-	-	\checkmark	-	-
Multiplex: EV0 7, 9, 12	\checkmark	_	-	-	-	\checkmark	-
Multiplex: Profi 3000, 4000	\checkmark	-	-	-	-	-	√
Multiplex: Cockpit SX	\checkmark	_	-	-	-	-	-
						_	

DUPLEX 2.4 GHz System

11/2009

- two receiver antennas ensure an undisturbed model control at every
- spots caused by signal reflection
- · the DUPLEX-System enables simultaneous operation

- transmitter channel · all receivers allow the use of mixers, channel reverse,
- ATV and delay settings for every receiver channel output

Transmitter modules

Basic Data	DUPLEX TU	DUPLEX TF	DUPLEX TG/ TGi/TGi2/TGs	DUPLEX TMe	DUPLEX TMp		
nensions [mm]	55x29x9	59x37x20	60x44x21	65x28x16	65x28x16		
eight	15 g	40 g	50 g	30 g	30 g		
tenna	2 dBi	2 dBi	2 dBi	2 dBi	2 dBi		
oustic Signal	c Signal 🖌 🖌 🗸		\checkmark	\checkmark	✓		
x. PPM-Channels	16	16	16	16	16		
eration Temperature	-10 to +85°C	-10 to +85°C	-10 to +85°C	-10 to +85°C	-10 to +85°C		
pply Voltage	3,5 - 16V	3,5 - 16V	3,5 - 16V	3,5 - 16V	3,5 - 16V		
erage Current	38 mA	38 mA	38 mA	38 mA	38 mA		
x. Power Output	20 dBm	20 dBm	20 dBm 20 dBm		20 dBm		
Transmitter/Module TU TF TG/TGi2 TGi TGs TMe TMp							
iaba: 7U, 8U, 8J, 9C,9Z, FN, T10C, 3PK, 3PJ, 🗸 🗸 – – –							

FU-10*, FU-20								
Futaba: FC-16, FC-18 JUNIOR, T6EXHP, 12FG, 12Z, 14MZ, FX-18, FX-14, T6EXA	√	-	-	-	-	-	-	
Hitec: Optic 6, Eclipse 7, Prism 7, Aggressor CRX/SRX	\checkmark	\checkmark	-	-	-	-	-	
Hitec: Laser 4, Laser 6, Flash 5, Optic 6 sport	\checkmark	-	-	-	-	-	_	
Graupner/JR: X-347, X-388, X-9303, MX-22, X-3810 ADT, PCM-10S, PCM-10, XPCM-9X, PCM-9XII	~	-	~	-	-	-	-	
Graupner/JR: FM-6014, MC-17/18/20/24	\checkmark	-	-	\checkmark	-	-	_	
Graupner: MC-10/12/14/15/16/19/22, MC-16/20, MX-12, MX-16s Graupner/JR: X-2610, XP6102FM	~	_	-	-	-	_	-	
Graupner: MX-24s	√	-	-	-	√	_	_	
Multiplex: EVO 7, 9, 12	\checkmark	-	-	-	-	\checkmark	-	
Multiplex: Profi 3000, 4000	\checkmark	-	-	-	-	_	\checkmark	
Multiplex: Cockpit SX	\checkmark	-	-	-	-	-	-	
Other transmitters	\checkmark	-	-	-	-	_	_	

TETIBOX



DUPLEX





controllers for brushless motors controllers for brushless motors

TIBOX COMPATIBLE belong to the usual equipment of top pilots.



that the number of servos became independent of the level of the supply voltage. Adjustment of the SPIN controller family is carried out via the JETIBOX. By connection of the SPIN controllers and the JETIBOX a new system is formed which allows optimum set-up of any type of drive.

Controller Type	Sustained Current [A]	Number of Battery Cells NiXX/LiXX/Voltage	Max. Current BEC [A]	Max. Number of Servos	Dimensions [mm]	Weight (including cables) [g]
SPIN 11	11	5-12/2-4/5-17V	2,5	6	32 x 23 x 6	12
SPIN 22	22	5-12/2-4/5-17V	2,5	6	32 x 23 x 7	26
SPIN 33	33	5-14/2-5/5-21V	3	7	42 x 23 x 7	32
SPIN 44	44	5-18/2-6/5-26V	5	8	52 x 25 x 10	44
SPIN 55	55	5-24/2-8/5-34V	5	8	52 x 25 x 12	60
SPIN 66	70	5-18/2-6/5-26V	5	8	52 x 25 x 12	56

ECO FOR ALL BRUSHLESS MOTORS OPTIMIZED UNIVERSAL CONTROLLER

SPIN CONTROLLERS FOR BRUSHLESS MOTORS The SPIN controller family for brushless (AC) motor control are able to operate with all types of batteries like NiCd, NiMH, Li-Po, Li-Ion and LiFe (A 123). Due to their numerous adjustment possibilities they are preferred for all airborne applications including helicopters and

In the course of development of new brushless motor controllers we were eager to fulfill most user requirements and at the same time offer a product with simple

handling properties and high comfort JETI ROM All controllers comprise a new type of voltage regulator for receivers and servos, the so called switch mode SPIN 77 BEC with a voltage of 5,5 V. By application of this unit a way was opened for BEC systems even in models with higher cell numbers. It must also be taken into account

SPIN controllers can be easily programmed without a computer - all you need is a JETIBOX. SPIN controllers are also able to store operational data and by this means you are in a position to check and set adjustments of your model

0

0

JETI model

OA (INTERNAL)

JES DAS URDER

P speed controller 8-30 Ni-Cd ((

SPIN⁹⁹

airplane or helicopter. Measured data of controller temperatures, maximum and minimum currents, speeds, motor runtimes and many other parameters become stored and can be read out by the JETIBOX directly 0 after flight termination. This enables you to change your adjustments and

These controllers comprise a receiver voltage supply with

complete galvanic separation of the driving system and

hence a minimum receiver interference. This, of course,

induces the necessity of a separate battery supply for the

fly again - you will immediately see results. Fine tuning of your motor was never easier.

SPIN OPTO

receiver and servos.

Controller Tyne	Sustained Gurrent [A]	Number of Battery Cells NiXX/LiXX/Voltage	Dimensions [mm]	Weight (including cables) [g]
CDIN 44 ODTO	4.4		50 y 05 y 10	05
5PIN 44 0PT0	44	0-18/2-0/0-20	52 X 25 X 10	30
SPIN 48 OPTO	48	14-30/4-10/12-42	52 x 25 x 12	45
SPIN 66 OPTO	70	6-18/2-6/6-26V	52 x 25 x 12	45
SPIN 75 OPTO	75	14-30/4-10/12-42	52 x 25 x 15	55
SPIN 77 OPTO	77	14-36/4-12/12-50	65 x 55 x 17	110
SPIN 99 OPTO	90	14-36/4-12/12-50	65 x 55 x 17	110
SPIN 125 OPT0	125	14-36/4-12/12-50	65 x 55 x 25	120
SPIN 200 OPTO	170	24-40/6-14/18-59	63 x 120 x 27	326
SPIN 300 OPTO	220	24-40/6-14/18-59	63 x 120 x 27	360

COOLING

Advance PRO DVANCE 08 Par FOR BRUSHLESS MOTORS





our motor control equipment The Advance PRO controllers comply with all ambitious expectations of users and in connection with the new programming card ProgCard PRO they come up

to these expextations Several controllers of this family are equipped with CEE 0

BEC voltage control systems for receivers and servos. Controllers with the labelling SB contain switch mode

These controllers contain a sum of experiences ac-

Basic data of the Advance Pro

Туре	Sustained Current [A]	Input Voltage [V]	BEC Voltage [V]	Max. BEC Current [A]	Dimensions [mm]	Weight [g]
Advance 08 Pro	8	5—15	5,0	2	28 x 17 x 5	2/6
Advance 12 Pro	12	5—15	5,0	2	28 x 17 x 7	4/9
Advance 18 Pro	18	5-15	5,0	2	33 x 23 x 9	11/21
Advance 18 Pro SB	18	5—15	5,5	2,5	33 x 23 x 9	11/21
Advance 30 Pro	30	5—15	5,0	2	44 x 26 x 9	15/28
Advance 30 Pro SB	30	5—15	5,5	3	44 x 26 x 9	15/28
Advance 40 Pro	40	5-15	5,0	3	53 x 26 x 10	18/35
Advance 40 Pro Opto	40	5-25,2	-	-	53 x 26 x 9	18/35
Advance 40 Pro SB HS	40	5-25,2	5,5	5	53 x 26 x 10	18/35
Advance 70 Pro	70	5—15	5,0	3	53 x 26 x 13	20/38
Advance 70 Pro SB HS	70	6-25,2	5,5	5	53 x 26 x 13	20/38
Advance 70 Pro Opto	70	5-25,2	-	-	53 x 26 x 11	20/38
Advance 77 Pro Opto	77	6-42	-	-	53 x 26 x 14	22/40
Advance 90 Pro Opto	90	12-50	-	-	65 x 55 x 17	110
	Type Advance 08 Pro Advance 12 Pro Advance 18 Pro SB Advance 30 Pro Advance 30 Pro SB Advance 40 Pro 0pto Advance 40 Pro 0pto Advance 40 Pro SB HS Advance 70 Pro SB HS Advance 70 Pro SB HS Advance 70 Pro 0pto Advance 70 Pro 0pto	TypeSustained Current [A]Advance 08 Pro8Advance 12 Pro12Advance 18 Pro SB18Advance 30 Pro30Advance 30 Pro SB30Advance 40 Pro Opto40Advance 40 Pro SB HS40Advance 70 Pro SB HS70Advance 70 Pro SB HS70Advance 70 Pro Dpto77Advance 70 Pro Opto77Advance 70 Pro Opto90	TypeSustained Current Current Current Current Current Current Voltage (V)Advance 08 Pro85–15Advance 12 Pro125–15Advance 18 Pro185–15Advance 18 Pro SB185–15Advance 30 Pro3005–15Advance 40 Pro4005–15Advance 40 Pro Opto4005–25Advance 70 Pro SB HS4005–25Advance 70 Pro SD HS7706–25,2Advance 70 Pro Opto7705–25Advance 70 Pro Opto7776–42Advance 90 Pro Opto90012–50	TypeSustained Current Voltage 		Type Sustained Current (V) Input (V) BEC Voltage (V) Max. BEC (V) Dimensions (mm) Advance 08 Pro 8 5-15 5,0 2 28 x 17 x 5 Advance 12 Pro 12 5-15 5,0 2 28 x 17 x 7 Advance 18 Pro 18 5-15 5,0 2 28 x 17 x 7 Advance 18 Pro SB 18 5-15 5,0 2 33 x 23 x 9 Advance 30 Pro 30 5-15 5,0 2 44 x 26 x 9 Advance 40 Pro 40 5-15 5,0 3 54 x 26 x 9 Advance 40 Pro 40 5-25,2 - - 53 x 26 x 10 Advance 40 Pro SB HS 40 5-25,2 5,5 53 x 26 x 10 Advance 70 Pro BHS 70 6-25,2 5,5 53 x 26 x 13 Advance 70 Pro BHS 70 6-25,2 - - 53 x 26 x 11 Advance 70 Pro Opto 77 6-25,2 - 53 x 26 x 11 Advance 70 Pro Opto 77 6-25,2 </td

controllers for brushless motors

MAX BEC CURRENT SUPPLY OF RECEIVER AND SERVOS IN THE MODEL



The MAX BEC takes care of the receiver and servo current supply in the model. In fact it is a linear voltage regulator with adjustable output voltages. Setting up is carried out to four voltage values of 5.0 V: 5.4 V: 5.7 V or 6.0 V via a shorting plug (jumper).

The MAX BEC can obtain its current supply from Ni-XX or Li-XX cells. The regulator also comprises four LEDs which indicate the discharge condition of the connected batteries. The MAX BEC is basically an electronic switch built up around MOSFET transistors. Its most important advantages are the high load carrying capacity, low current consumption in the cut-off condition (170 µA) and, last but not least, due to the analog voltage stabilization no interference signals transmission which might be harmful to the receiver function.

Basic Data	MAX BEC	MAX BEC 2
Recommended Input Voltage	5,5 - 8,4V	5,5 - 8,4V
Max. Input Voltage	16V	16V
Number of Inputs [batteries]	1	2
Output Voltage	5,0V / 5,4V / 5,7V / 6,0V	5,0V / 5,4V / 5,7V / 6,0V
Peak Current	12 A	20 A
Rated Current	5 A	12 A
Quiescent Current	170 µA	170 µA
Max. Power Loss	7 W	20 W
Max. Temperature	130°C	130°C
Weight	25 g	85 g
Dimensions	50 x 25 x 10 mm	100 x 29 x 16 mm

NS IN MODEL AIRPLANES. SHIPS AND VEHICLES

switch carries out switching of auxiliary functions in anes, ships and vehicles, as for instance additional neating, switching different light systems a.s.o. The noment is indicated by flash up of a LED. The SP06 also offers the function of a reverse channel as known from many transmitters. The maximum long-term load of the switch are 6 A and it can be operated within a broad voltage range. Arbitrary voltages between 0,1 V and 15 V can be switched

accessories

controllers for brushless motors

BEC voltage regulators with a voltage of 5,5 V. Controllers without BEC are labelled Opto and must be operated with a separate receiver and servo battery as for instance 4 x NiXX cells or with an external voltage regulator like the MAXBEC. Controllers with the marking HS are special designs optimized for high speed motors (up to 200.000 rpm/2-pole motors)

PROG CARD PRO

The programming cards are set for easy and fast adjustments of the ADVANCE controller family. They fundamentally extend the setting possibilities and handling comfort of the controllers. The new programming card is compatible with the controller family ADVANCE Plus, on the other hand controllers ADVANCE Pro are compatible with the programming card ProgCard Plus.

Setting possibilities of the ADVANCE Pro controller with the aid of the programming card PROG CARD PRO:

SUMMAN ADVANCE

Cat all

· Brake - off/medium/fast · Timing - automatic/high advance/low advance Acceleration – high/medium/low

· Motor cut-off mode when

voltage decreases below

the set cut-off voltage of the

controller - immediate cut-off/ continual power decrease

Direction of rotation – change

of direction of rotation

· Type of cells: NiCd/NiMH, Li-Pol. Li-Ion/Li-Fe · Cut-off voltage of the controller - higher/medium/lower

Cat all 1 y p a Caroff per cal 201 LUCX NUCK 27 07 00 171----

Cut all Math

POWER ION BATTERIES

Power Ion batteries have convincingly shown their promising position as safe, unproblematic and long durability current source for model applications. As a standard we deliver battery packs with 2S1P, 2S2P, 3S1P, 3S1P (triangle or flat) and 3S2P wiring.



On special order we produce cell combinations up to 10S5P. All types of POWER ION cells comprise an outside diameter of 18 mm and a length of 65 mm

POWER ION Batteries	Rated Capacity [Ah]	Voltage of Charged Battery [V]	Sustained/ Peak Current (30 sec.) [A]	Charge Current [A]	Weight of One Cell
POWER ION 1100 - standard type	1,1	4,1	11 / 16	3	41
POWER ION 1300 - high current	1,3	4,1	19 / 25	3	44
POWER ION 1600 - high capacity	1,6	4,2	10 / 16	2	44

MOTORS PHASOR

PHASOR motors belong to the family of brushless alternating current motors, also called BLDC. All motors comprise 6 poles and 5 mm diameter shafts.

All motors comprise o poles and o min diameter sharts.												
Motor Type	Voltage Range of Battery connected to the Controller [V]	RPM per Volt (min-1)	Max. Current [A]	Number of Turns	Winding Resistance of one Phase [Ω]	Dimensions (diameter x length) [mm]	Weight [g]					
PHASOR 15/3	6 - 13 V	2050	35	3	0,0125	36 x 37	136					
PHASOR 15/4	7 - 14 V	1600	32	4	0,022	36 x 37	135					
PHASOR 30/3	8 - 17 V	1050	35	3	0,017	36 x 52	220					
PHASOR 45/3	12 - 23 V	700	38	3	0,022	36 x 67	305					

batteries – motors

contain a powerful BEC receiver power supply and they are equipped with all standard safety provisions as well as with Advantages of this controller: Large range of applicable supply voltages, galvanic an automatic motor timing set-up. Setting of the ECO controldecoupling of the receiver (OPTO), long term load carrying capacity and adaptability to ler family has been greatly simplified and is executed by a JETI model water cooling shorting plug directly at the controller. Further characteristics are evaluated automatically. ECO controllers operate with NiCd. NiMH, Li-Pol and Li-Ion batteries Controller Sustained Number of Battery Cells Dimensions Weight 40 6-12 / 2-3 / 5-14,4 V 50 x 23 x 8 35 / 43

SENSOR 3000

Type

FC0 08

EC0 12

ECO 18 EC0 25

ECO 40

This Controller is intended for controlling and regulating purposes of brushless (BLDC) as well as direct current (DC) motors. With aid of the JETIBOX there exists the possibility to carry out a data readout of the CAR Sensor 3000 controller, which have been non-stop collected during operation.

isic data of the CAR Sensors 3000											
Dimensions [mm]	Weight (including cable	Sustained Curren s) max. 30 S	t / Input Voltage	Nı Bat	umber of tery Cells						
1 x 31 x 3	7 80 g	60 A / 100 A	3 – 9 V	1-2 LiX	X / 4-7 NiXX						
EC Voltage	Max. BEC Current	Max. Temperature	On State Resista	ance [Ω]	Programming						
54V	5 A	100° C	2 x 0 000	55	JETIBOX						

controllers for brushless motors

These controllers have gained high popularity due to their reliability and easy handling. All controllers of the ECO family

Current [A]	NiXX/LiXX/Voltage	[mm]	(including cables) [g]	
8	- / 2-3 / 5-12,6 V	27 x 17 x 5	7 / 10	1
12	6-10 / 2-3 / 5-12,6 V	32 x 23 x 6	6 / 10	
18	6-10 / 2-3 / 5-12,6 V	32 x 23 x 7	11 / 21	
25	6-10 / 2-3 / 5-12,6 V	32 x 23 x 8	15 / 28	
40	010/00/01441	F0020	05 / 40	

ia o	T THE CAR SEN	SOLS 2000			
ns	Weight (including cables)	Sustained Current / max. 30 S	Input Voltage	Number of Battery Cells	
37	80 g	60 A / 100 A	3 - 9 V	1-2 LiXX / 4-7 NiXX	
e Max. BEC Current Max. Temperature On State Resistance [Ω] Programming					

DRIVE OF BRUSHED MOTORS By RC CAR pilots very much appreciated controller due to JES

CONTROLLERS FOR BRUSHED MOTORS

A controller for brushed motors with automatic set-up to arbitrary transmitters and with soft start brake. All controllers contain a powerful BEC receiver current supply and they are equipped with all standard safety provisions. Setting of the controller has been greatly simplified an

		shorting plug uncerty at the controller.					
Controller Type	Sustaineu/ Peak Current*[A]	Number of Battery Cells NiXX/LiXX/Voltage	Max. BEC Current [A]	Max. Servo Number	Dimensions [mm]	Weight (including cables) [g]	
JES 006	6/8	4-8/2/4-12 V	2	3	18x14x5	6	j
JES 012 plus	12/15	4-12/2-3/4-14,4 V	3	5	29x19x8	15	
JES 020 plus	20/22	4-12/2-3/4-14,4 V	3	5	29x19x8	20	
JES 030 plus	30/35	4-12/2-3/4-14,4 V	5	6	33x25x8	26	
JES 045 plus	45/50	4-12/2-3/4-14,4 V	5	6	33x25x8	26	
*) Peak Current max. 30 sec.							



its easy application and handling.

JES 600 NAVY

SPECIAL CONTROLLER FOR BRUSHLESS

MOTORS WITH THE POSSIBILITY OF WATER

nd is executed by a		weight	
	-	Dimensions	50
Dimensions [mm]	Weight (including cables) [g]	SWITCHING OF AUXILIARY FU	SP 06
18x14x5	6		w nlug h
29x19x8	15	Swi	tching m