












Transmitter	Entry Level				Advanced Level					Intelligent Level	
	Spektrum "e" Series				Spektrum "DX" Series					Spektrum "IX" Series	
											
Transmitter model number	SPM1000 SPMR1000	SPM1010 SPMR1010	SPM6650	SPMR8100	SPM6750 SPMR6750	SPM8000 SPMR8000	DX9 DX9 Black SPM9900 SPMR9900 SPMR9910	SPM18100	SPM20000	SPM12000 SPMR12000	SPMR20100
Channel Count	4 to 9	7	6	8	6	8	9	18	20	12	12
Channels @ 2048 Resolution	0	0	6	8	6	6	9	12	12	12	12
Model Memory	Unlimited*	Unlimited*	250	250	250	250	250	250	250	250	250
Gimbal	Bushing	Bushing	Quad bearing	Quad bearing	Quad bearing	Quad bearing	Quad bearing	Quad bearing	Quad bearing aluminum	Quad bearing	Quad bearing
Adjustable stick tension	Yes *	Yes *	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable throttle ratchet/smooth	Yes *	Yes *	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable stick height	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Modes	1, 2, 3, 4*	1, 2, 3, 4*	1, 2, 3, 4, 5	1, 2, 3, 4, 5	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4
Wireless trainer link	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wired trainer link	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Telemetry	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digital trim	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SD card support	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Modulation											
DSMX 22ms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DSMX 11ms	No	No	No	Yes	Yes*	Yes	Yes	Yes	Yes	Yes	Yes
DSM2 22ms	No	No	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**
DSM2 11ms	No	No	No	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**
X-plus support	No	No	No	No	No	No	No	No	No	No	No
Antenna											
Adjustable	No	No	Yes	Yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single fixed	Yes	Yes	Yes	Yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Diversity (2 fixed)	n/a	n/a	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery											
Included battery	4 x AA	5 x AA	4 x AA	4 x AA	4 x AA	2000mAh Lithium Ion	2000mAh Lithium Ion	2600mAh LiPo	4000mAh LiPo	6000mAh Lithium Ion	1050mAh Lilon
Included battery model number	n/a	n/a	n/a	n/a	n/a	SPMA9602	SPMB2000LPTX	SPMB2600LPTX	SPMB4000LPTX	SPMB6000LITX	SPMB6000LITX
Charger power supply included	No	No	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Internal charger for lithium battery packs	No	No	Included in optional 2000mAh Li pack (SPMA9602)	Included in optional 2000mAh Li pack (SPMA9602)	Included in optional 2000mAh Li pack (SPMA9602)	Yes	Yes	Yes	Yes	Yes	Yes
Battery chemistries supported***	A, N, LI, LP	A, N, LI, LP	A, N, LI, LP	A, N, LI, LP	A, N, LI, LP	A, N, LI, LP	A, N, LI, LP	N, LI, LP	N, LI, LP	LI	LI
Switches											
Push button/momentary ****	2	1	1	1	1	1	1	1	1	1	1
2 position toggle	3	2	4	2	4	2	2	2	2	2	4
3 position toggle	3	2	3	5	3	5	6	6	6	6	6
Digital Trimmers	0	0	0	0	0	0	2	2	2	2	4
Sliders											
Number	0	0	0	0	0	0	2	2	2	2	2
Position	n/a	n/a	n/a	n/a	n/a	n/a	Back	Side	Side	Back	Side
Rotary knob											
Number	n/a	n/a	0	1	0	1	1	1	1	1	1
Position	n/a	n/a	n/a	Front Right	n/a	Front Right	Top Right	Top Right	Top Right	Top Right	Top Right
LCD display											
Resolution	n/a	n/a	192x96 Mono	192x96 Mono	192x96 Mono	192x96 Mono	192x96 Mono	192x96 Mono	192x96 Mono	800x480 Color	1024x720 Color
Backlight	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
General software											
Multi-engine feature	No	No	No	No	No	No	No	No	Yes (Acro only)	No	Yes
User-upgradeable firmware by SD or WiFi	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (via WiFi or SD)	Yes (via WiFi or SD)
Model cross-compatibility	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Programmable rates & expo	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Model to SD card save/load	Yes* No SD Card Support	Yes* No SD Card Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ModelMatch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cross trim support	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Active gyro & governor trim	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Sequencer	No	No	0	2	0	0	2	5	5	5	5
SAFE/AS3X Support w/ Panic Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Video Transmitter Control	No	No	Yes	Yes	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	No	Yes
Spektrum Lap Timer Support	No	No	Yes	Yes	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	No	No	No
Android App Expandability	No	No	No	No	No	No	No	No	No	Yes	Yes
Smart Telemetry Support	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Forward Programming	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Servo setup											
Reverse	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sub trim	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Travel Adjust	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Servo Balancing	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable servo speed	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Absolute travel adjustment	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Servo monitor shortcut from main screen	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Pro Trim	No	No	No	No	No	No	No	No	Yes	No	No (OTF)
Model types											
Airplane	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Helicopter	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multi-Rotor	No	No	Yes	Yes	Yes	Yes	Yes	Yes (w/update)	Yes	Yes	Yes
Alerts											
Tone alerts	Limited	Limited	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Voice alerts	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vibration alerts	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Flight modes											
Airplane	3	3	3	3	3	3	5	5	5	5	10
Sailplane	0	0	5	10	5	10	10	10	10	10	10
Helicopter	4	4	4	4	4	4	5	5	5	5	5
Multi-Rotor	n/a	n/a	5	5	5	5	5	5	5	5	5
Mixing											
Number of curve points	0	0	7	7	7	7	7	7	7	7	7
Preset mixes	0	0	3	2	3	3	3	3	3	3	3
Flap delay with Elevator compensation	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Programmable mixes	0	0	4	10	5	10	10	16	16	12	24
Curve-able Mixes (smooth)	0	0	4	10	5	8	8	8	8	8	24
Normal Only	0	0	0	0	0	0	2	8	8	4	0
Mix rate increment	0	0	1.00%	1.00%	1.00%	1.00%	1.00%	0.50%	0.50%	1.00%	1.00%
Origin mixing	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes
Timers											
Timers	0	0	2	2	2	2	2	2	2	2	2
Throttle start	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Switch start	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Airplane wing types											
Single aileron	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Flaperon	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single aileron, single flap	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Elevon	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Elevon-B	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron + single flap	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single aileron + dual flap	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron + dual flap	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Quad aileron (biplane configuration)	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Six aileron (large 3D configuration)	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes
Airplane tail types											
Normal	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
V-tail A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
V-tail B	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual elevator	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual rudder	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual rudder + dual elevator	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
1 Canard servos with Elevon	No	No	No	No	No	No	No	Yes	Yes	No	Yes
2 Canard servos with Elevon	No	No	No	No	No	No	No	Yes	Yes	No	Yes
Sailplane wing types											
Single aileron	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron + single flap	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron + dual flap	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Quad aileron + dual flap	n/a	n/a	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane tail types											
Normal	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
V-tail A	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
V-tail B	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane specific features											
Sailplane camber system	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane camber preset	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motor throttle switch assign	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Helicopter washplate types											
Normal	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3-servo 120°	n/a	n/a	Yes	Yes	Yes	Yes					