















Air Transmitter Comparison Chart

Transmitter	Entry Level Spektrum "e" Series				Advanced Level Spektrum "DX" Series								Intelligent Level Spektrum "IX" Series	
														
Transmitter model number	SPM1000 SPMR1000	SPM1010 SPMR1010	SPM6650	SPMR8100	SPM6750 SPMR6750	SPM8000 SPMR8000	DX9 DX9 Black SPM9900 SPMR9900 SPMR9910	SPM18100	SPM20000	SPM6775 SPMR6775	SPM8200 SPMR8200	SPMR10100	SPM12000 SPMR12000	SPMR20100
Channel Count	4 to 9	7	6	8	6	8	9	18	20	6+ (limited)	8	10	12	12
Channels @ 2048 Resolution	0	0	6	8	6	6	9	12	12	6	8	10	12	12
Model Memory	Unlimited*	1	250	250	250	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	Quad bearing aluminum	Quad bearing	Quad bearing	Quad bearing	Quad bearing
Adjustable stick tension	Yes *	Yes *	Yes	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	Yes	Yes	Yes
Adjustable stick height	Yes	Yes	Yes	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	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4
Wireless trainer link	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wired trainer link	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Telemetry	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digital trim	Yes	Yes	Yes	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	Yes	Yes	Yes
Magnetic Encoder Gimbals	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes
Modulation														
DSMX 22ms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DSMX 11ms	No	No	No	Yes	Yes*	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DSM2 22ms	No	No	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**
DSM2 11ms	No	No	No	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**
X-plus support	No	No	No	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	Yes	Yes	Yes	n/a	n/a
Single fixed	Yes	Yes	Yes	Yes	n/a	n/a	n/a	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	Yes	Yes	Yes
Battery														
Included battery	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	2000mAh Lithium Ion	2000mAh Lithium Ion	2600mAh LiPo	4000mAh LiPo	2000mAh Lithium Ion	2000mAh Lithium Ion	6000mAh Lithium Ion	6000mAh Lithium Ion	10500mAh Lithium Ion
Included battery model number	n/a	n/a	n/a	n/a	n/a	SPMA9602	SPMB2000LPTX	SPMB2600LPTX	SPMB4000LPTX	SPMB2000LTXIS	SPMB2000LTXIS	SPMB6000LTX	SPMB6000LTX	SPMB6000LTX
Charger power supply included	No	No	n/a	n/a	No	Yes	Yes	Yes	Yes	No	No	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	Yes	Yes	Yes
Battery chemistries supported***	A,N,LI,LP	A	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	LI	LI	LI
Micro Cable Included	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Yes	No
Magnetic USB to USB Micro Cable Included w/ Magnetic Adapter	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes
Switches														
Push button/momentary ****	2	1	1	1	1	1	1	1	1	1	1	1	1	1
2 position toggle	3	2	4	2	4	2	2	2	2	2	2	2	2	4
3 position toggle	3	2	3	5	3	5	6	6	6	5	6	6	6	6
Digital Trimmers	0	0	0	0	0	0	2	2	2	0	2	2	2	4
Sliders														
Number	0	0	0	0	0	0	2	2	2	0	0	2	2	2
Position	n/a	n/a	n/a	n/a	n/a	n/a	Back	Side	Side	n/a	n/a	Back	Back	Side
Rotary knob														
Number	n/a	n/a	0	1	0	1	1	1	1	0	1	1	1	1
Position	n/a	n/a	n/a	Front Right	n/a	Front Right	Top Right	Top Right	Top Right	n/a	Top Right	Top	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	320x240 Color	320x240 Color	320x240 color	800x480 Color	1024x720 Color
Backlight	n/a	n/a	Yes	Yes	Yes	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	No	No	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)	Yes (via WiFi or SD)	Yes (via WiFi or SD)	Yes (via WiFi or SD)
Model cross-compatibility	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Programmable rates & expo	Yes*	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Model to SD card save/load	Yes*	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ModelMatch	Yes	Yes	Yes	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	Yes	Yes	Yes
Active gyro & governor trim	No	No	No	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Sequence	No	0	2	2	0	2	5	5	5	0	2	5	5	5
SAFE/AS3X Support w/Panic Button	Yes	Yes	Yes	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	Yes	Yes	Yes
Spektrum Lap Timer Support	No	No	Yes	Yes	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	Yes (w/ update)	No	Yes	Yes	Yes	No
Android App Expandability	No	No	No	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	Yes	Yes	Yes
Forward Programming	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Internal Memory with BNF Presets	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	No	No
Speech to Text w/ Microphone	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes
Touch Switch Events	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes
Servo setup														
Reverse	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sub trim	Yes*	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Travel Adjust	Yes*	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Servo Balancing	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable servo speed	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Absolute travel adjustment	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Servo monitor shortcut from main screen	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pro Trim	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No (OTF)
Model types														
Airplane	Yes*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Helicopter	Yes*	Yes	Yes	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	Yes	Yes	Yes
Alerts														
Tone alerts	Limited	Limited	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Voice alerts	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vibration alerts	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Flight modes														
Airplane	3	3	3	3	3	3	5	5	5	10	10	10	5	10
Sailplane	0	0	5	10	5	10	10	10	10	10	10	10	10	10
Helicopter	4	4	4	4	4	4	5	5	5	4	5	5	5	5
Multi-Rotor	n/a	n/a	5	5	5	5	5	5	5	3	10	10	5	5
Mixing														
Number of curve points	0	0	7	7	7	7	7	7	7	7	7	7	7	7
Preset mixes	0	0	3	2	3	3	3	3	3	3	3	3	3	3
Flap delay with Elevator compensation	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Programmable mixes	0	0	4	10	5	10	16	16	16	12	Yes	12	12	24
Curve-able Mixes (smooth)	0	0	4	10	5	8	8	8	8	8	8	8	8	24
Normal Only	0	0	0	0	0	0	2	8	8	4	4	4	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%	1.00%	1.00%	1.00%
Origin mixing	No	No	No	No	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Timers														
Timers	0	0	2	2	2	2	2							