

# Transmitter Comparison Chart

Transmitter	DXe	DX6i	DX6e	DX6G3	DX8G2	DX9 DX9 Black	DX18G2	DX20
Transmitter model number	(SPM1000) (SPMR1000)	(SPM6630) (SPMR6630)	(SPM6650)	(SPM6750) (SPMR6750)	(SPM8000) (SPMR8000)	(SPM9900) (SPMR9900) (SPMR9910)	(SPM18100)	(SPM2000)
Channel Count	4 to 9	6	6	6	8	9	18	20
Channels @ 2048 Resolution	0	0 (6@1024)	6	6	6	9	12	12
Model Memory	Unlimited●	10	250	250	250	250	250	250
Gimbal	bushing	bushing	Quad bearing	Quad bearing	Quad bearing	Quad bearing	Quad bearing	Quad bearing aluminum
Adjustable stick tension	Yes◆	Yes◆	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable throttle ratchet/smooth	Yes◆	Yes◆	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable stick height	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Modes	1, 2, 3, 4●	1, 2	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
Wireless trainer link	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Wired trainer link	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Telemetry	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Digital trim	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SD card support	No	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>Modulation</b>								
DSMX 22ms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DSMX 11ms	No	No	No	Yes*	Yes	Yes	Yes	Yes
DSM2 22ms	No	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**
DSM2 11ms	No	No	No	Yes**	Yes**	Yes**	Yes**	Yes**
X-plus support	No	No	No	No	No	No	Yes	Yes
<b>Antenna</b>								
Adjustable	No	Yes	Yes	n/a	n/a	n/a	n/a	n/a
Single fixed	Yes	n/a	Yes	n/a	n/a	n/a	n/a	n/a
Diversity (2 fixed)	n/a	n/a	No	Yes	Yes	Yes	Yes	Yes
<b>Battery</b>								
Included battery	4 x AA	4 x AA	4 x AA	4 x AA	2000mAh Lithium Ion	2000mAh Lithium Ion	2600mAh LiPo	4000mAh LiPo
Included battery model number	n/a	n/a	n/a	n/a	SPMA9602	SPMB2000LPTX	SPMB2600LPTX	SPMB4000LPTX
Charger power supply included	No	No	n/a	No	Yes	Yes	Yes	Yes
Internal charger for lithium battery packs	No	n/a	Included in optional 2000mAh Li pack (SPMA9602)	Included in optional 2000mAh Li pack (SPMA9602)	Yes	Yes	Yes	Yes
Battery chemistries supported***	A,N, Li, LP	A, N	A, N, Li, LP	A, N, Li, LP	A, N, Li, LP	A, N, Li, LP	N, Li, LP	N, Li, LP
<b>Switches</b>								
Push button/momentary ****	2	1◆◆	1	1	1	1	1	1
2 position toggle	3	7	4	4	2	2	2	2
3 position toggle	3	0	3	3	5	6	6	6
Digital Trimmers	0	0	0	0	0	2	2	2
<b>Sliders</b>								
Number	0	0	0	0	0	2	2	2
Position	n/a	0	n/a	n/a	n/a	Back	Side	Side
<b>Rotary knob</b>								
Number	n/a	0	0	0	1	1	1	1
Position	n/a	n/a	n/a	n/a	Front Right	Top Right	Top Right	Top Right
<b>LCD display</b>								
Resolution	n/a	n/a Mono	192x96 Mono	192x96 Mono	192x96 Mono	192x96 Mono	192x96 Mono	192x96 Mono
Backlight	n/a	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>General software</b>								
Multi-engine feature	No	No	No	No	No	No	No	Yes (Acro only)
User-upgradeable firmware by SD	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Model cross-compatibility	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Programmable rates & expo	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Model to SD card save/load	Yes● No SD Card Support	No	Yes	Yes	Yes	Yes	Yes	Yes
ModelMatch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cross trim support	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Active gyro & governor trim	No	No	No	No	No	Yes	Yes	Yes
Sequencer	No	0	0	0	0	2	5	5
SAFE/AS3X Support w/Panic Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Servo Setup</b>								
Reverse	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sub trim	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Travel Adjust	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Servo Balancing	No	No	No	No	Yes	Yes	Yes	Yes
Adjustable servo speed	No	No	No	No	Yes	Yes	Yes	Yes
Absolute travel adjustment	No	No	No	No	Yes	Yes	Yes	Yes
Servo monitor shortcut from main screen	No	No	Yes	No	Yes	Yes	Yes	Yes
Pro Trim	No	No	No	No	No	No	No	Yes
<b>Model types</b>								
Airplane	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Helicopter	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multi-Rotor	Yes●	No	Yes	Yes	Yes	Yes	Yes w/update	Yes
<b>Alerts</b>								
Tone alerts	Limited	Limited	Yes	Yes	Yes	Yes	Yes	Yes
Voice alerts	No	No	No	Yes	Yes	Yes	Yes	Yes
Vibration alerts	No	No	No	No	No	Yes	Yes	Yes
<b>Flight modes</b>								
Airplane	3	n/a	3	3	3	5	5	5
Sailplane	0	n/a	5	5	10	10	10	10
Helicopter	4	n/a	4	4	4	5	5	5
Mult-Rotor	n/a	n/a	5	5	5	5	5	5
<b>Mixing</b>								
Number of curve points	0	0	7	7	7	7	7	7
Preset mixes	0	0	3	3	3	3	3	3
Flap delay with Elevator compensation	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Programmable mixes	0	2	4	5	10	10	16	16
Curve-able Mixes (smooth)	0	0	4	5	8	8	8	8
Normal Only	0	0	0	0	0	2	8	8
Mix rate increment	0	1.00%	1.00%	1.00%	1.00%	1.00%	0.50%	0.50%
Origin mixing	No	No	No	No	No	No	Yes	Yes
<b>Timers</b>								
Timers	0	1	2	2	2	2	2	2
Throttle start	n/a	No	Yes	Yes	Yes	Yes	Yes	Yes
Switch start	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Airplane wing types</b>								
Single aileron	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Flaperon	Yes●	No	Yes	Yes	Yes	Yes	Yes	Yes
Single aileron, single flap	Yes●	No	Yes	Yes	Yes	Yes	Yes	Yes
Elevon	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Elevon-B	Yes●	No	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron + single flap	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Single aileron + dual flap	No	No	No	No	Yes	Yes	Yes	Yes
Dual aileron + dual flap	No	No	No	No	Yes	Yes	Yes	Yes
Quad aileron (biplane configuration)	No	No	No	No	No	Yes	Yes	Yes
Six aileron (large 3D configuration)	No	No	No	No	No	No	Yes	Yes
<b>Airplane tail types</b>								
Normal	Yes●	Yes	Yes	Yes	Yes	Yes	Yes	Yes
V-tail A	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
V-tail B	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Dual elevator	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Dual rudder	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Dual rudder + dual elevator	No	No	Yes	No	Yes	Yes	Yes	Yes
1 Canard servos with Elevon	No	No	No	No	No	No	Yes	Yes
2 Canard servos with Elevon	No	No	No	No	No	No	Yes	Yes
<b>Sailplane wing types</b>								
Single aileron	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron + single flap	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Dual aileron + dual flap	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Quad aileron + dual flap	n/a	n/a	No	No	Yes	Yes	Yes	Yes
<b>Sailplane tail types</b>								
Normal	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
V-tail A	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
V-tail B	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
<b>Sailplane specific features</b>								
Sailplane camber system	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane camber preset	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Motor throttle switch assign	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes
<b>Helicopter swashplate types</b>								
Normal	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3-servo 120°	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3-servo 135°	n/a	No	No	Yes	Yes	Yes	Yes	Yes
3-servo 140°	n/a	No	No	Yes	Yes	Yes	Yes	Yes
3-servo 90°	n/a	No	No	Yes	Yes	Yes	Yes	Yes
4-servo 90°	n/a	No	No	Yes	Yes	Yes	Yes	Yes
2-servo 180°	n/a	No	No	Yes	Yes	Yes	Yes	Yes
<b>Multi-Rotor Aircraft Types</b>								
Camera: None, 1-Axis, 2-Axis, 3-Axis	No	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>Helicopter specific features</b>								
5-point throttle curve	n/a	Yes	n/a	n/a	n/a	n/a	n/a	n/a
7-point throttle curve	n/a	No	Yes	Yes	Yes	Yes	Yes	Yes
5-point pitch curve	n/a	Yes	n/a	n/a	n/a	n/a	n/a	n/a
7-point pitch curve	n/a	No	Yes	Yes	Yes	Yes	Yes	Yes
7-point tail curve	n/a	No	Yes	Yes	Yes	Yes	Yes	Yes
Swashplate timing	n/a	No	Yes	Yes	Yes	Yes	Yes	Yes
Cyclic-to-throttle mix	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Swashplate timing mix	n/a	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>Differential</b>								
Airplane: Aileron, Elevon, & V-tail	No	Aileron Only	Yes	Yes	Yes	Yes	Yes	Yes
Sailplane: Aileron, Elevon, & V-tail	No	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>Switch customization</b>								
Assignable switches	No	No	All	All	All	All	All	All
Digital switch setup	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Analog switch setup	No	No	No	No	No	No	Yes	Yes

NOTES:  
 (◆) – Requires removing the back of the transmitter  
 (◆◆) – DX6i for throttle cut only/Trainer activation on momentary switch  
 (\*) – DSMX/11ms not available in EU, but is available in US  
 (\*\*\*) – DSM2 not available in EU, but is available in US  
 (\*\*\*\*) – Chemistries A=Alkaline, N = NiMH, Li = LiIon, LP = LiPo  
 (\*\*\*\*\*) – Trainer button can be used as momentary input, as well as CLEAR and BACK in some situations  
 (●) - Via Mobile Application