SPEKTRUM
Innovative Spread Spectrum Technology

# Transmitter Comparison Chart

| Transmitter<br><br>Transmitter model number | DXe<br><br>(SPM1000)<br>(SPMR1000) | DX6i<br><br>(SPM6630)<br>(SPMR6630) | DX6G2<br><br>(SPM6700)<br>(SPMR6700) | DX6G3<br><br>(SPM6750)<br>(SPMR6750) | DX7G2<br><br>(SPM7000)<br>(SPMR7000) | DX8G2<br><br>(SPM8000)<br>(SPMR8000) | DX9/<br>DX9 Black<br>(SPM9900)<br>(SPMR9900) | DX18G1<br><br>(SPM18000) | DX18G2<br>DX18Stealth<br>(SPM18100)<br>(SPM18200) | DX20<br><br>(SPM2000) |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel Count | 4 to 9 | 6 | 6 | 6 | 7 | 8 | 9 | 18 | 18 | 20 |
| Channels @ 2048 Resolution | 0 | 0 (6@1024) | 6 | 6 | 6 | 6 | 9 | 12 | 12 | 12 |
| Model Memory | Unlimited● | 10 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| **Gimbal** | bushing | bushing | 4 bearing | 4 bearing | 4 bearing | 4 bearing | 4 bearing | 4 bearing | 4 bearing | 4 bearing aluminum |
| Adjustable stick tension | Yes | Yes◆ | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Adjustable throttle ratchet/smooth | Yes | Yes◆ | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Adjustable stick height | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Modes | 1, 2, 3, 4● | 1, 2 | 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 | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |
| Wired trainer link | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Telemetry | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Digital trim | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SD card support | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **Modulation** | | | | | | | | | | |
| DSMX 22ms | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DSMX 11ms | No | No | Yes * | Yes * | Yes * | Yes | Yes | Yes | Yes | Yes |
| DSM2 22ms | No | Yes** | Yes ** | Yes ** | Yes ** | Yes | Yes ** | Yes ** | Yes ** | Yes** |
| DSM2 11ms | No | No | Yes ** | Yes ** | Yes ** | Yes | Yes ** | Yes ** | Yes ** | Yes** |
| X-plus support | No | No | No | No | No | No | No | Yes | Yes | Yes |
| **Antenna** | | | | | | | | | | |
| Adjustable | No | Yes | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Single fixed | Yes | n/a | Yes | n/a | n/a | Yes | n/a | n/a | n/a | n/a |
| Diversity (2 fixed) | n/a | n/a | n/a | Yes | No | Yes | Yes | Yes | Yes | Yes |
| **Battery** | | | | | | | | | | |
| Included battery | 4 x AA | 4 x AA | 4 x AA | 4 x AA | 2000mAh Lithium Ion | 2000mAh Lithium Ion | 2000mAh Lithium Ion | 2600mAh LiPo | 2600mAh LiPo | 4000mAh LiPo |
| Included battery model number | n/a | n/a | n/a | n/a | SPMA9602 | SPMA9602 | SPMB2000LPTX | SPMB2600LPTX | SPMB2600LPTX | SPMB4000LPTX |
| Charger power supply included | No | No | No | No | Yes | Yes | 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 | 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 | A, N, LI, LP | N, LI, LP | N, LI, LP | N, LI, LP |
| **Switches** | | | | | | | | | | |
| Push button/momentary **** | 2 | 1◆◆ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 position toggle | 3 | 7 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 position toggle | 3 | 0 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 |
| Digital Trimmers | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 |
| **Sliders** | | | | | | | | | | |
| Number | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 |
| Position | n/a | 0 | n/a | n/a | n/a | n/a | Back | Side | Side | Side |
| **Rotary knob** | | | | | | | | | | |
| Number | n/a | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| Position | n/a | n/a | n/a | n/a | Front Right | Front Right | Top Right | Top Right | Top Right | Top Right |
| **LCD display** | | | | | | | | | | |
| Resolution | n/a | n/a Mono | 192x96 Mono | 192x96 Mono | 192x96 Mono | 192x96 Mono | 192x96 Mono | 192x96 Mono | 192x96 Mono | 192x96 Mono |
| Backlight | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **General software** | | | | | | | | | | |
| Multi-engine feature | No | No | No | No | No | No | No | No | No | Yes (Acro only) |
| User-upgradeable firmware by SD | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Model cross-compatibility | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Programmable rates & expo | No● | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Model to SD card save/load | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| ModelMatch | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Cross trim support | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Active gyro & governor trim | No | No | No | No | No | No | Yes | Yes | Yes | Yes |
| Sequencer | No | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 5 | 5 |
| SAFE/AS3X Support w/Panic Button | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **Servo Setup** | | | | | | | | | | |
| Reverse | Yes● | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sub trim | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Travel Adjust | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Servo balancing | No | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Adjustable servo speed | No | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Absolute travel adjustment | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| Servo monitor shortcut from main screen | No | No | No | No | No | No | Yes | Yes | Yes | Yes |
| Pro Trim | No | No | No | No | No | No | No | No | No | Yes |
| **Model types** | | | | | | | | | | |
| Airplane | Yes● | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sailplane | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Helicopter | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Multi-Rotor | No | No | Yes w/update | Yes | Yes w/update | Yes | Yes | Yes w/update | Yes w/update | Yes |
| **Alerts** | | | | | | | | | | |
| Tone alerts | No | Limited | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Voice alerts | No | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |
| Vibration alerts | No | No | No | No | No | No | Yes | Yes | Yes | Yes |
| **Flight modes** | | | | | | | | | | |
| Airplane | 3 | n/a | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 |
| Sailplane | 0 | n/a | 5 | 5 | 5 | 10 | 10 | 10 | 10 | 10 |
| Helicopter | 0 | n/a | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| Mulit-Rotor | n/a | n/a | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **Mixing** | | | | | | | | | | |
| Number of curve points | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Preset mixes | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Flap delay with Elevator compensation | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Programmable mixes | 0 | 2 | 5 | 5 | 8 | 10 | 10 | 16 | 16 | 16 |
| Curve-able Mixes (smooth) | 0 | 0 | 5 | 5 | 8 | 8 | 8 | 8 | 8 | 8 |
| Normal only | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 8 | 8 |
| Mix rate increment | 0 | 1.00% | 1.00% | 1.00% | 1.00% | 1.00% | 1.00% | 1.00% | 0.50% | 0.50% |
| Origin mixing | No | No | No | No | No | No | No | No | Yes | Yes |
| **Timers** | | | | | | | | | | |
| Timers | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Throttle start | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Switch start | 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 |
| Dual aileron | Yes● | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Flaperon | Yes● | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Single aileron, single flap | Yes● | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Elevon | Yes● | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Elevon-B | Yes● | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual aileron + single flap | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Single aileron + dual flap | No | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual aileron + dual flap | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| Quad aileron (biplane configuration) | No | No | No | No | No | No | Yes | Yes | Yes | Yes |
| Six aileron (large 3D configuration) | No | No | No | No | No | No | No | Yes | Yes | Yes |
| **Airplane tail types** | | | | | | | | | | |
| Normal | Yes● | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| V-tail A | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| V-tail B | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual elevator | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual rudder | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual rudder + dual elevator | No | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| 1 Canard servos with Elevon | No | No | No | No | No | No | No | No | Yes | Yes |
| 2 Canard servos with Elevon | No | No | No | No | No | No | No | No | Yes | Yes |
| **Sailplane wing types** | | | | | | | | | | |
| Single aileron | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual aileron | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual aileron + single flap | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dual aileron + dual flap | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Quad aileron + dual flap | n/a | n/a | No | No | No | Yes | Yes | Yes | Yes | Yes |
| **Sailplane tail types** | | | | | | | | | | |
| Normal | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| V-tail A | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| V-tail B | n/a | n/a | 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 |
| Sailplane camber preset | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Motor throttle switch assign | n/a | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **Helicopter swashplate types** | | | | | | | | | | |
| Normal | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 3-servo 120° | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 3-servo 135° | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 3-servo 140° | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 3-servo 90° | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 4-servo 90° | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 2-servo 180° | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **Multi-Rotor Aircraft Types** | | | | | | | | | | |
| Camera: None, 1-Axis, 2-Axis, 3-Axis | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **Helicopter specific features** | | | | | | | | | | |
| 5-point throttle curve | n/a | Yes | n/a | n/a | 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 | Yes | Yes |
| 5-point pitch curve | n/a | Yes | n/a | n/a | 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 | Yes | Yes |
| 7-point tail curve | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Swashplate timing | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Cyclic-to-throttle mix | n/a | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Swashplate timing mix | n/a | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **Differential** | | | | | | | | | | |
| Airplane: Aileron, Elevon, & V-tail | No | Aileron Only | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sailplane: Aileron, Elevon, & V-tail | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| **Switch customization** | | | | | | | | | | |
| Assignable switches | No | No | All | All | All | All | All | All | All | All |
| Digital switch setup | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Analog switch setup | No | No | No | No | No | No | No | Yes | Yes | Yes |

NOTES:
(◆) – Requires removing the back of the transmitter
(◆◆) DX6i button 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


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