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## SPEKTRUM AR631+ DSMX 6-Kanal AS3X+ & SAFE Empfänger

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**Art.Nr.:** SPM-1031

The Spektrum AR631+ AS3X+ Telemetry Receiver is a DSM2 and DSMX capable receiver. Its compact footprint is designed to fit in a wide range of aircraft models including park flyers and larger sport models. The AR631+ is a full range 6-channel receiver with built in AS3X+ and SAFE stabilization, which counters the effects of wind, turbulence and torque using 3-axis MEMS gyro and exclusive flight control software tuned by expert RC pilots. There is no delay in control response or limits on control throws. You'll simply feel like you're flying an expertly tuned model that does exactly what you want.

### Key Features

- Extra-long 230mm Antenna for more versatile installation options
- Ready to use with Spektrum Smart ESC for one-wire telemetry data without the need of modules, links and wires
- DSMX protocol receiver with DSM2 backwards compatibility
- Built in AS3X+ Stabilization System with SAFE flight envelope protection
- AS3X+ and SAFE set up through forward programming directly from your Spektrum transmitter

### In The Box

- (1) AR631+ 6-Channel AS3X+ & SAFE Receiver
- (1) Product Manual

### Needed to Complete

- (1) Spektrum Telemetry Capable Transmitter

### Features

- Smart Transmitter File Download
- 230mm Antenna for more versatile installation options
- Built in AS3X+ Stabilization System with SAFE flight envelope protection
- AS3X+ and SAFE set up through forward programming directly from your Spektrum transmitter
- Ready to use with Spektrum Smart ESC for one-wire telemetry data without the need of modules, links and wires
- Streamlined, top-pin design in a lightweight hard-case

- Bind button allows for easy binding and eliminates the need for bind plug
- DSMX protocol receiver with DSM2 backwards compatibility
- Fly-by range telemetry support
- Standard servo connectors

### **Spektrum AR631+ 6-Channel AS3X+ & SAFE Receiver Overview**

The AR631+ features fly-by range telemetry and a bind button that makes it easy to bind with no plugs necessary and offers both SmartSafe technology and Hold Last as well as preset failsafe types set through forward programming. A long 230mm 2.4GHz antenna, perfect for getting optimal reception when installed into tight spaces. The AR631+ also features Smart Telemetry support.

With Smart Technology the normal servo connector delivers the throttle signal to the ESC, plus the ESC can send telemetry data like voltage and current back to the receiver. The AR631+ receiver throttle port (Channel 1 port only) will automatically detect when a Smart compatible ESC is connected. ESCs with Smart and IC series connectors can also pass along battery data from compatible Spektrum Smart batteries. Spektrum Avian<sup>™</sup> ESCs are compatible with the AR631+ receiver for Smart Technology features.

For Smart to function you must have a Smart ESC paired with a Smart telemetry receiver, and a Spektrum DSMX transmitter with telemetry. An update for your transmitter may be required for Smart features. Visit [spektrum.com](http://spektrum.com) to register and update your transmitter. If a standard ESC or servo is plugged into the throttle port on the AR631+ receiver, the throttle port will operate normally (PWM signal) like any conventional RC system.

*Please Note:* These transmitters do not support Forward Programming devices: DX6i, DX6G2 (EU Version), DX7, DX7S, DX7SE, DX7G2 (EU Version), DX8, Non-computer transmitters

*Using this receiver in turbine powered aircraft models is not recommended.*



**AS3X+<sup>?</sup> Technology**

Exclusive Spektrum™ AS3X+<sup>?</sup> technology enhances flight stability by countering the effects of wind, turbulence, and other outside forces to help your aircraft fly smoothly and with precision. You'll feel like you're piloting an expertly tuned model that performs exactly as you want.



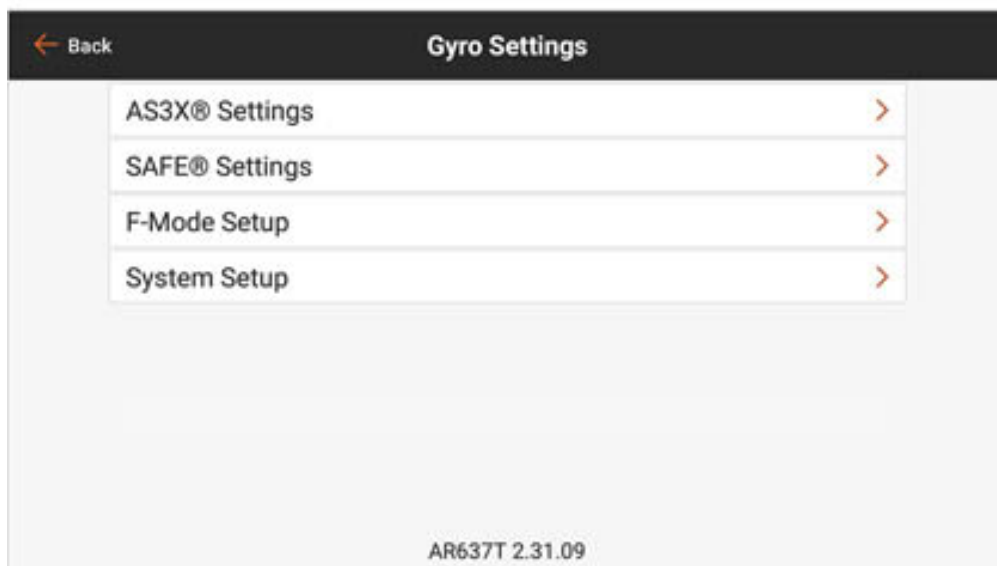
### **SAFE<sup>?</sup> Technology**

SAFE<sup>?</sup> (Sensor Assisted Flight Envelope) technology flight modes help pilots avoid over-controlling their models. SAFE uses AS3X+ to deliver normal flight performance, but with limited bank and pitch angles to prevent the aircraft from getting in extreme attitudes.



### **Long 230mm 2.4GHz Antenna**

The AR631+ features an extra-long 230mm 2.4ghz antenna (approximately 9 inches), specifically engineered for use in tight installations. When installing your receiver into an aircraft where there is less than ideal space away from batteries and other devices, a long antenna is key. This allows users to install the receiver in tight spaces and isolate the antenna for optimal reception and link quality. When positioning your antenna, it is best to have it at least 75mm (approximately 3 inches) away from batteries, electronic speed controls (ESC), ignition systems, and other electronic devices. Use the integrated flight log telemetry to perform a through range test to better evaluate your setup.



### Forward Programming

You can configure the AR631+ receiver wirelessly, directly from any compatible Spektrum™ transmitter, through the Forward Programming menu. No separate computer or mobile device is needed for setup and adjustments.



### Smart Telemetry

To enjoy the full benefits of Smart™ technology, use the AR631+ receiver with a Smart ESC and telemetry capable Spektrum DSMX<sup>2</sup> transmitter. The AR631+ features fly-by telemetry and will provide vital telemetry data such as current, voltage, temperature and RPM is sent directly to your transmitter. The AR631+ is not compatible with Spektrum telemetry sensors. For more information on Smart Technology please visit our Spektrum Smart Technology page.

### Produkt Eigenschaften

Antennenlänge	9
Application	Airplane, Sailplane
Band	2.4GHz

Bind Method	Bind Button
Datenanschluss	Ja
Input Voltage	3.5 - 9V
Kan?le	6
Kompatibel mit Flight Log	Ja
Modulation	DSMX
Product Application	Air, Sailplanes
Product Height	0.55" (14 mm)
Product Weight	0.28oz (8g)
Produktbreite	4
Produktl?nge	8
Range	Full
Remote Receiver Ports	0
Resolution	2048
Serial Out	SRXL2
Technology	AS3X+, SAFE
Telemetrie	Ja
Telemetry Range	Fly-By



PREIS:  
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89,99 EUR

inkl. 19 % MwSt. zzgl. **Versandkosten**

