

# **en/ArfOktoXL-6S12**

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# 1 ARF-OktoXL 6S12

The *ARF-Okto XL 6S12* is a powerful, fully assembled and tested [MikroKopter](#) "Made in Germany". With the increased CFK frame the *6S12* wins clearly of rigidity and gets also a better flight characteristic. And with the new Brushless controller V3, the Motor MK3644 and a powerful 6S [LiPo](#) this copter can handle a payload up to 4Kg.

This "workaholic" is ideal for safe and efficient operation. The operational area includes the **Film Production, Photography, thermography, inspection, measurement**. Also possible are many other applications.

You can fly the copter quickly like a sports car or slow and light as a feather through the air.

== Main features ==

- There are no Models or model flying skills required
- Stable frame construction reinforced with CFK sheathing
- Extremely lightweight construction
- Payload up to 2,5Kg
- compact design (H/W/D => 450/735/735)
- GPS and autopilot system including
- Autostart und -land
- [PositionHold](#), [ComingHome](#), [CareFree](#), Waypoint flight
- Auto [FailSafe](#)
- Auto ComingHome
- HandsFree => Hands of the sticks = The MikroKopter automatically stops at the current level and position
- Altitude up to 5000m above sea level
- Long flight times (Depending on the total weight LiPo, Weather ratio)
- 5-10% longer flight time
- Power supply with 6S LiPo (4x LiPo 6S/4500mAh include)
- High landing gear with 30 cm height of passage (Replacement landing gear included)
- Optical signaling of e.g. Battery warning or triggering on the photo copter
- LOG-Safe (All flight information is stored during flight in a LOG file)
- Totally weight <5Kg (include 1x LiPo and standard (Video-) camera)
- redundant design (Optional. E.g. required for admission in Austria)
- Incl. commercial software license (allows additional features)
- Telemetry with voice output: Voltage, capacity, power, altitude, distance, direction, speed, temperature, ...
- Introduction to the device incl. Certificate (on demand)

## 1.1 Out of the Box

Four small steps and you can fly:

- mount the [LiPo](#) Holder
- Attach landing feet
- Attach receiver
- Attach propeller
- Fly

**No soldering is required.**

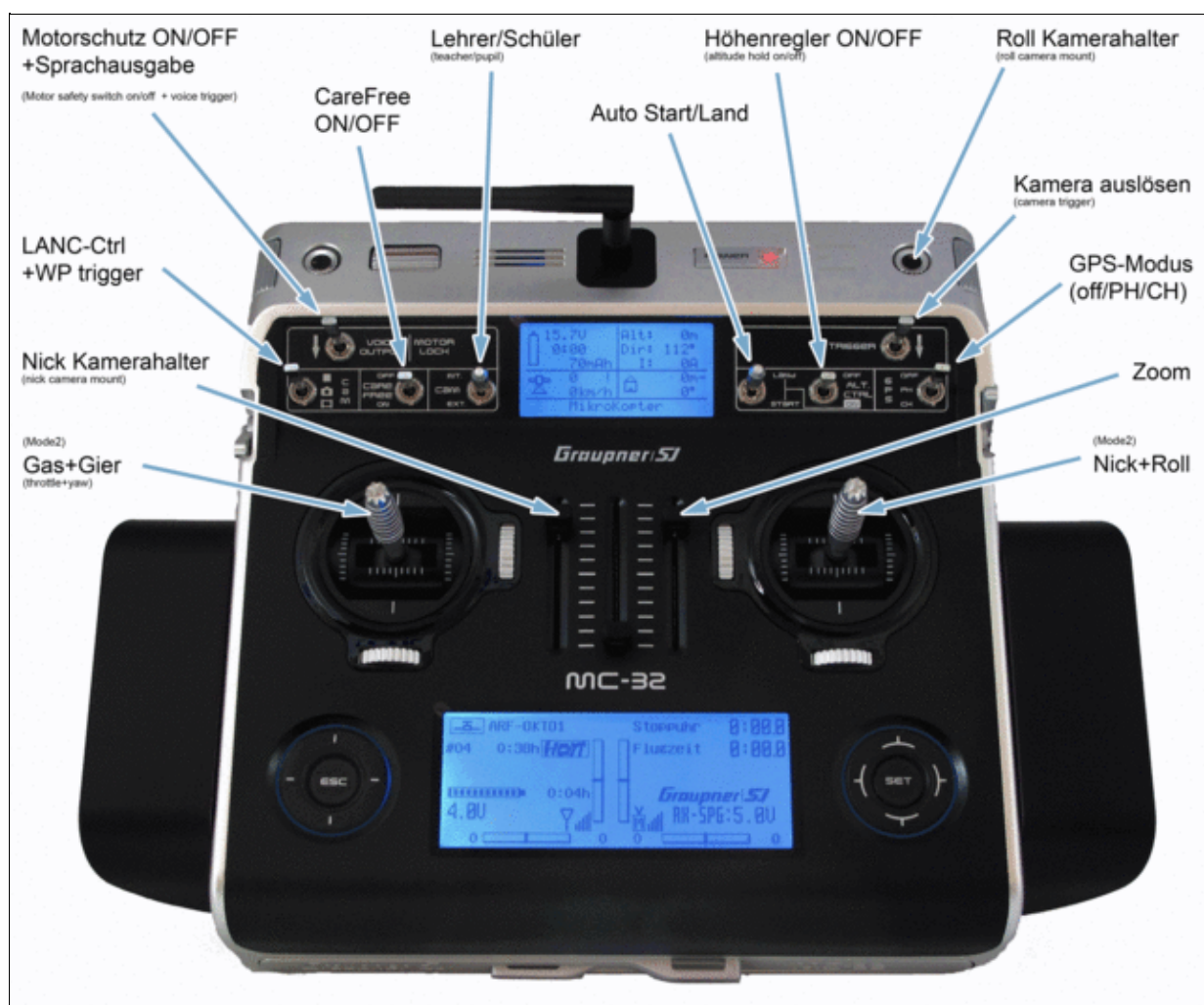
For the first flight and to practice it is recommended to mount the included EPP propeller. If you then fly with payload, use the also included high-quality carbon fiber propeller.

## 2 Transmitter functions

All significant functions of the OktoKopter can be conveniently controlled from the ground:

- Pitch / roll / yaw gas to fly
- GPS-Mode
- Altitude control
- camera tilt
- Camera triggering (Video Start / Stop or continuous shooting)
- Direction of Independent control mode "Carefree"
- ...

All transmitters you can buy at the MikroKopter shop are already preset for immediate use. Here the functions are optimally positioned for easy use.



example image

## 2.1 Telemetry

All important information at a glance:



The following values are displayed in the Telemetry menu:

- battery voltage
- Flight time
- Used Lipo-capacity
- Altitude
- Orientation of the copter
- Current draw
- Number of GPS satellites
- airspeed
- Distance and direction to the starting position
- an error message in plain text

Additionally further information (like the temperatures of the individual motor electronics (brushless controller)) can be retrieved.

## 2.2 Speech output

The transmitter has a built-in speech output. This allows to retrieve e.g all values of the telemetry as an announcement.

So if you use e.g. the GPS switch the transmitter will say "GPS-hold".

Furthermore, important messages (like "Low voltage") are automatically spoken.

## 3 Manual

each ARF copter includes a guide with all the necessary information.  
Here you can take a look on it:



(To open -> Click on image)



## 4 Details

### 4.1 More Sexy



## 4.2 Carbon reinforced frame parts



## 4.3 Huge landing gear



#### **4.4 powerful engines**



## 5 Recommended accessories

### 5.1 Battery charger



[Shop](#)

### 5.2 Transmitter



(Here you see the transmitter with additional [7" Monitor](#))

[Shop](#)

### 5.3 Camera mount



[Shop](#)