

**en/ArfOktoXL**

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LotharF  
MikroKopter.de

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# 1 ARF OktoKopter XL 4S12



Order here: [Shop](#)

The Okto-XL is available in a ARF (Almost ready to Fly) - Version.

Only a few steps are nessecary:

- Assemble the Lipo-holder
- Attach the landing gear
- Attach the receiver
- Mount the propellers

**No soldering nessecary!**

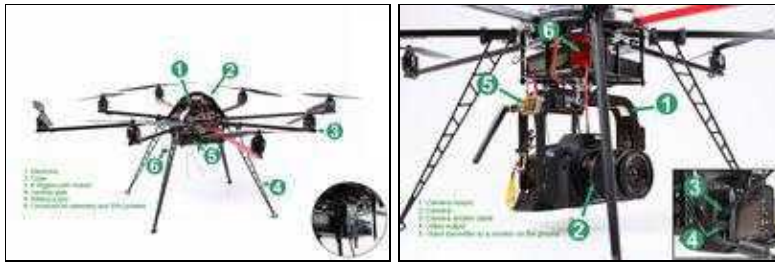
All electronic devices are tested, programmed and configured.

GPS and [NaviCtrl](#) are already included.

The ARF-Okto is already configured for the mx-32 and mx.32 HoTT Transmitters. So it is the easiest way to start.

## 1.1 Video: Okto XL in a storm

## 1.2 Detail photos



(click to enlarge)

## 1.3 Transmitter functions

All major functions of the [OktoKopter](#) can be controlled from ground:

- Pitch / roll / yaw and throttle to fly
- GPS mode
- Altitude controller
- Camera tilt
- Camera control (video start / stop or continuous shooting)
- Direction independent control mode "Carefree"
- ...

### 1.3.1 Telemetry



The following values are displayed in the Telemetry menu:

- Battery voltage [V]
- Flight time [min:sec]
- Used Lipo Capacity [mAh]
- Altitude [m]
- Direction of the [MikroKopter](#) [°]
- Current [A]
- Number of GPS satellites
- Speed [km/H]
- Distance and direction to the starting position [m],[°]
- Error message in plain text when needed

Additionally you can have additional information such as the single temperatures of each motor controller (Brushless ESC).

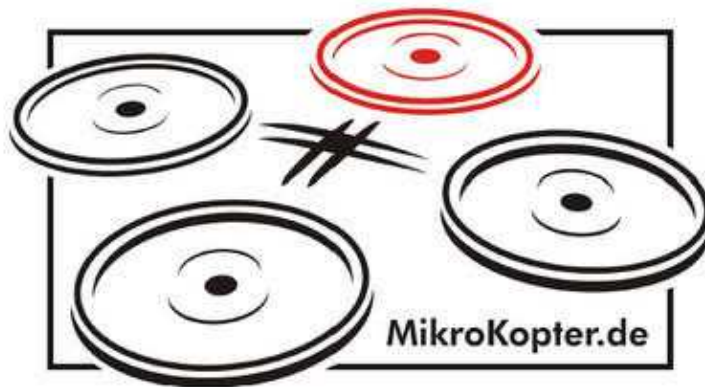
### 1.3.2 Speech

The transmitter has a built-in speech output. So, all values of the telemetry are available as an announcement.

Example: If you move the GPS switch to the "hold position", says the station "GPS hold".

In addition, important messages are spoken automatically like "Low Voltage".

## 1.4 Manual



# ARF-MikroKopter



**OktoXL + OktoXL 6S12**

**Bedienungsanleitung**

(open manual -> Click picture)

## 1.5 Technical data

- Dimensions 73x73x36 (BxLxH)
- Payload: recommended max. payload = 2500g
- Max. altitude: Line of sight (several 100m)
- Max. distance: Line of sight (several 100m)
- Flight time: max. 45min at full battery load (30Ah)
- Realistic flight time: 18-28Min (10Ah) See tables below
- Telemetry with speech: Voltage, capacity, current, altitude, distance, direction, speed, temperature, ...

### 1.5.1 Flight times

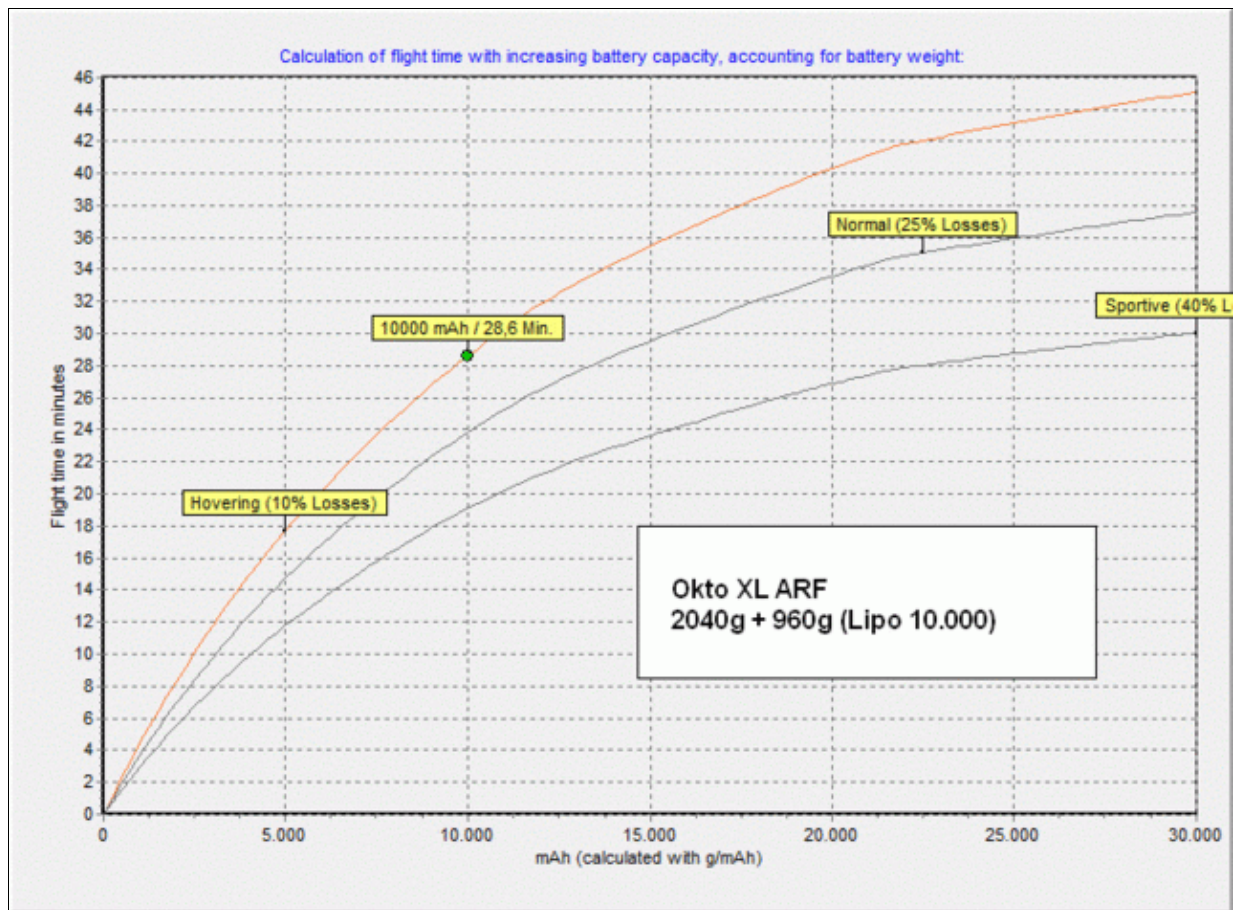


The flight times can be read in the diagrams below

#### 1.5.1.1 Flight time over capacity

There are three different curves below

- Hoovering -> with no wind and e.g. position Hold
- Normal -> in light wind and normal flight
- Sportive -> high winds or fast flight



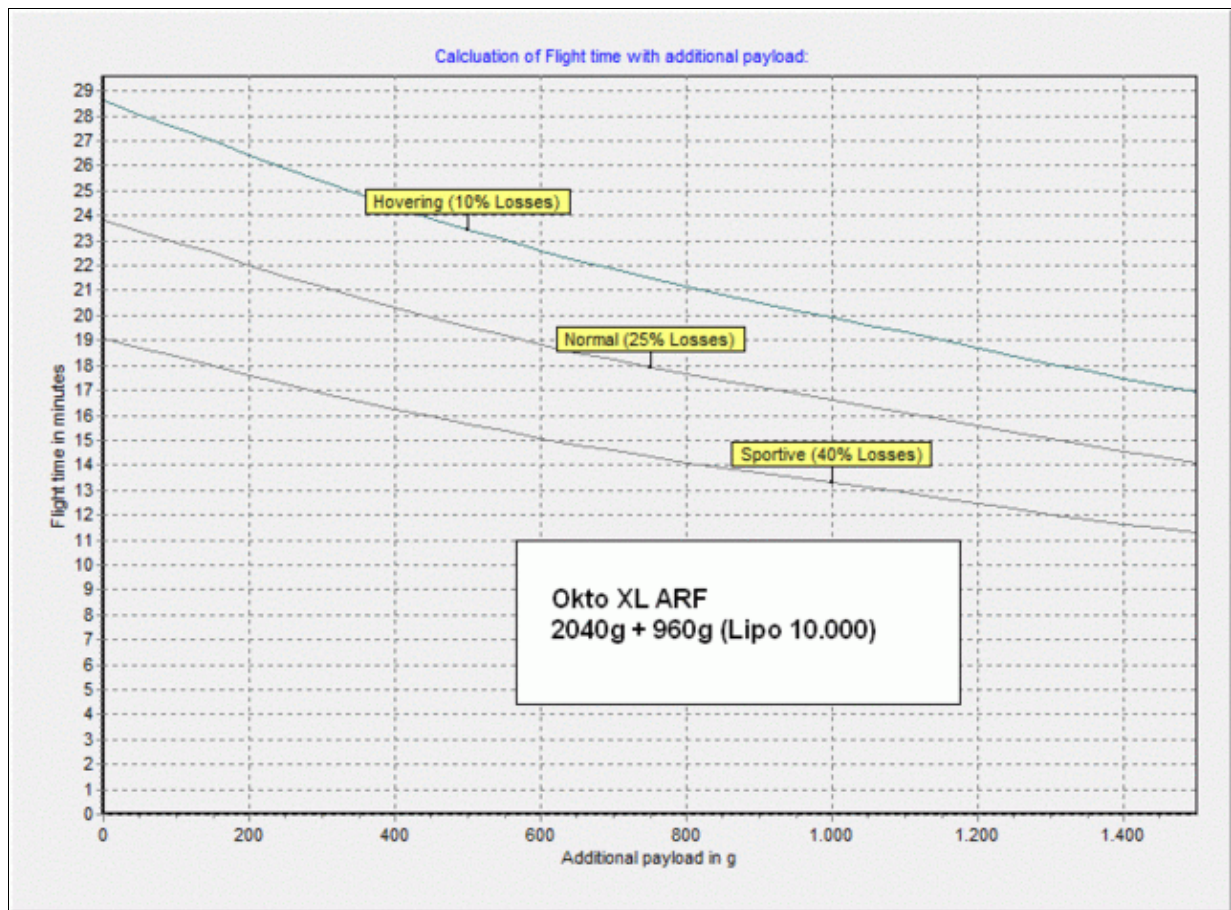
- Example: max. 28.6 min at 10.000mAh (e.g. 2 \* 5.000mAh parallel)
- Example: max. 40.5 min at 20.000mAh (e.g. 4 \* 5.000mAh parallel)

### 1.5.1.2 Flight time with 10Ah Lipo

Here are also the three curves (see above)

The curves are calculated for a 10.000 Lipo.



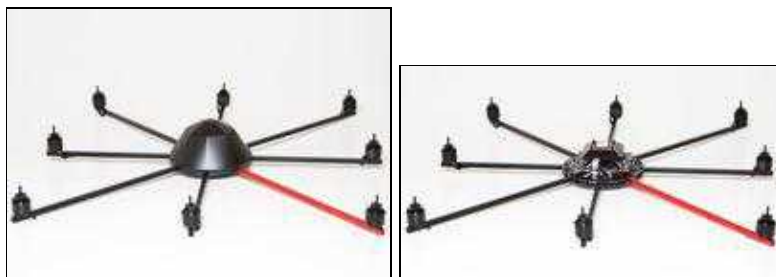


- Example: Without payload: max. 28,6 min
- Example: With 1000g payload: max 20min

## 1.6 Assembling

### 1.7 Details

#### 1.7.1 Assembled body



#### 1.7.2 Carbon frame parts



### 1.7.3 Carbon propellers



### 1.7.4 easy access to the data interface



### 1.7.5 stronger aluminium riggers (1,5mm)



## 2 Recommended parts

### 2.1 Charger



[Shop](#)

### 2.1.1 Transmitter



[Shop](#)

## 2.1.2 Camera mount



[Shop](#)

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