

# ASW-28-18

## Building instructions

### 1/4,4 scale all fiberglass sailplane

Congratulations on purchasing this up-to-date sport semi-scale glider model, designed for slope soaring, where you will appreciate it's maneuverability and nice flying characteristics. Moreover, you will find it's flying characteristics nice in thermal soaring, too. An up-to-date technology - sandwich - is used in this construction. The glider is ready to fly right after the installation of the RC set. Contains installed retract gear and remote tow hook. ASW 28-18 is designed for the experienced pilots.



4090 mm



HQ 3/12



1505 mm



4000 g



58,8 dm<sup>2</sup>



A,E,R,B,RG,TH

#### Kit includes:

fiberglass fuselage with retract gear, wing with airbrakes, horizontal stabilizer, rudder, clear canopy, detailed cockpit, steel wing connecting rod, hardware, building instructions

#### To finish the model you need:

- \* cyanoacrylate adhesive
- \* 5-min epoxy glue
- \* common modeller's tools (sharp knife, drilling machine, screwdriver, fine round file, sandpaper)

#### To fly you need:

- \* 6 channel RC set and 8 servos

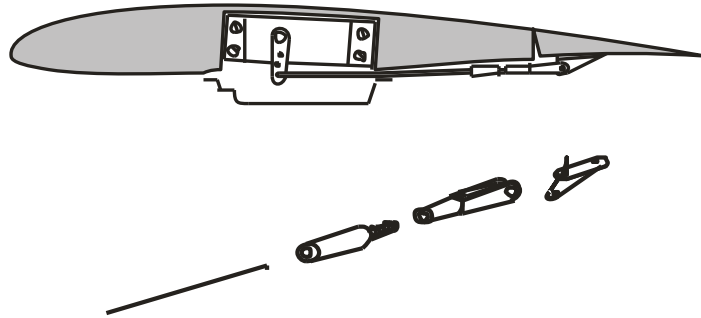
**WARNING!** Improper use of this product can lead to bodily harm or property damage. You are fully responsible for safety when using this model. Fly it far enough from built-up areas. Be sure nobody else uses the same frequency as you.

## FINISHING THE MODEL

The glider is ready to fly right after the installation of the RC set..

### 1. How to install the aileron servos

Pull the extension cables through the aileron to the servos. Attach the aileron servos to the channel with a two-sided sticky tape. Install the draw rods with termination. Glue up the aileron control levers and attach the aileron with the draw rods to the servo. Make sure the servo and the aileron are in neutral position. Glue up the servo hood.



### 2. How to install the servos to the brakes

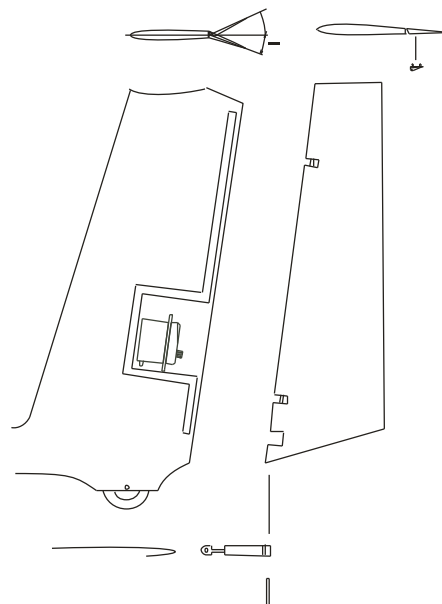
Attach the servos with two-sided Scotch tape to the channel and join them with the dive flap using a draw rod. You will need extension cables and a Y-cable. Cover the servos with the hood.

### 3. How to install the elevator servos

The rudder is mounted on clip-on hinges. There is an opening for a servo in the steven. Glue up the servo in the rudder. Glue up the control lever on the elevator flap and join it using a draw rod with the servo. Connect the servo with the radio using an extension cable. Clip the rudder to hold.

### 4. How to install the rudder servos

The servo for the rudder is installed close to the landing gear. The rudder is controlled by a pull-wire drive. Attach the terminals to the rudder and join them with a servo using a pull-wire drive.



### 5. How to install the landing gear servos

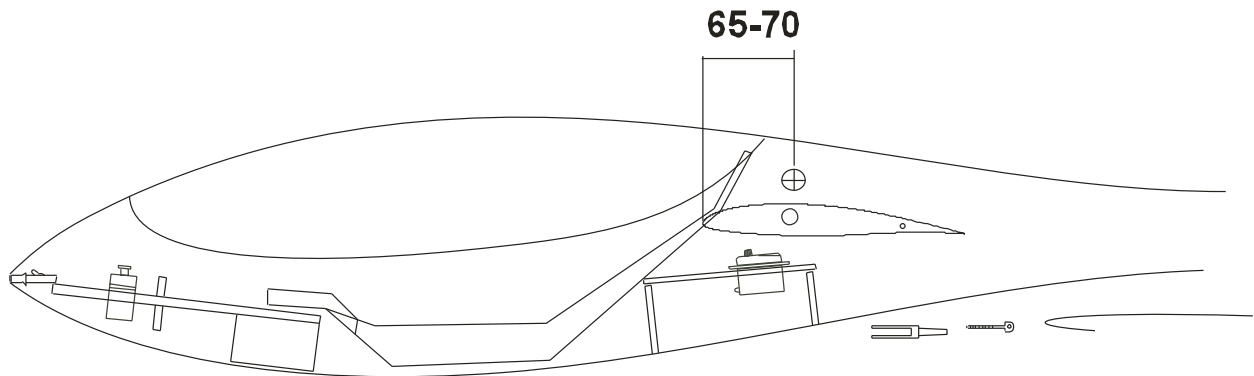
Install the control servo close to the landing gear and join the wheel retraction lever with the servo using a draw rod.

### 6. How to install the towing hook servo

Install the servos in the board found in the fuselage nose and join them with the hook using a draw rod.

### 7. How to install the radio and batteries

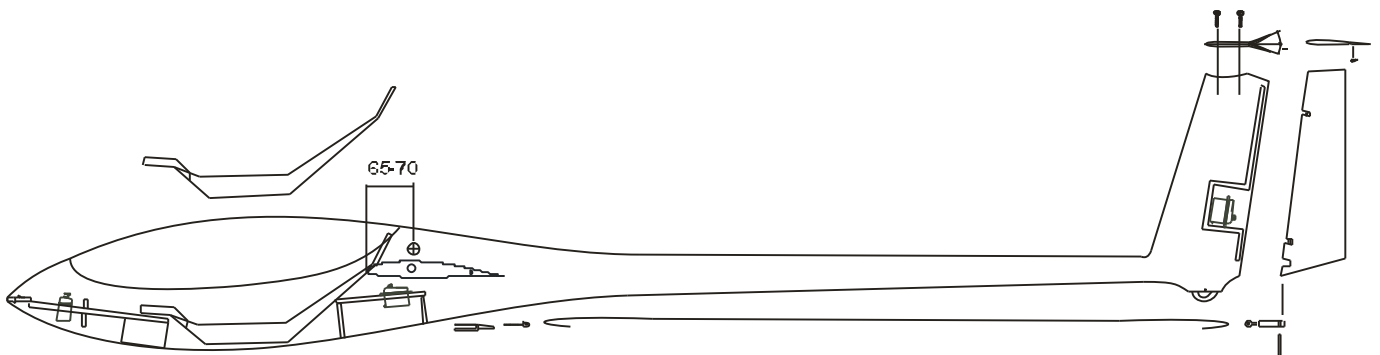
Attach the batteries, radio and the power switch to the board in the fuselage nose. Connect all the servos in the fuselage with the radio.



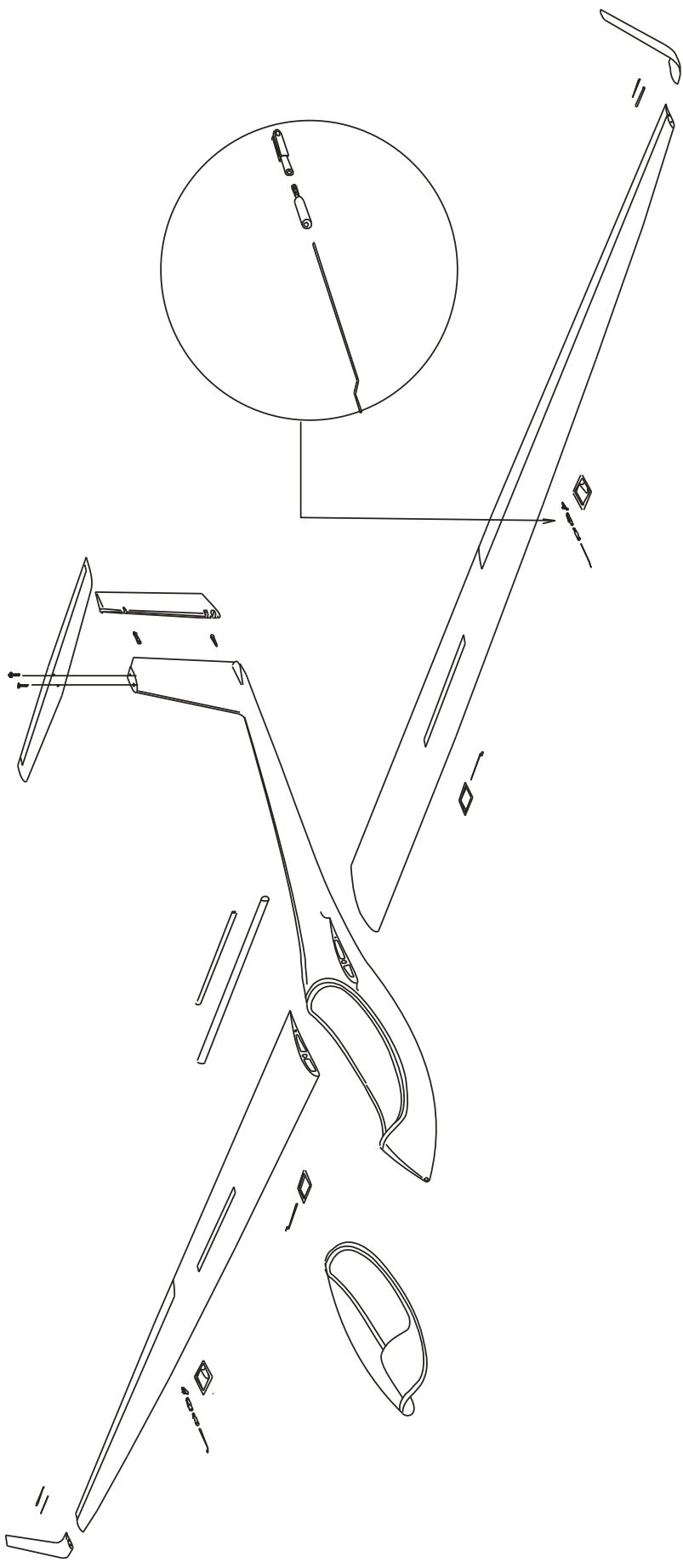
## FLYING

**Check the centre of gravity position (65 – 70 mm)**, add some lead if necessary, don't forget to check the symmetry of the whole model. Once on the field, first check the function of your RC set and check the range, too. Calm weather is the best for the first flights. Try hand launching, trim if required for optimal gliding. Provided that everything is in order, you can go for the maiden flight, with a charged battery of course.

Have a lot of fun and many happy landings with your ASW-28-18.



# ASW 28-18



Wingspan	4090mm	Spannweite	4090mm	Envergure	4090mm
Lenght	1505mm	Länge	1505mm	Longeur	1505mm
Weight	4000g	Abfluggewicht	4000g	Poids	4000g
Centre of gravity	70mm	Schwerpunktlage	70mm	CG	70mm