





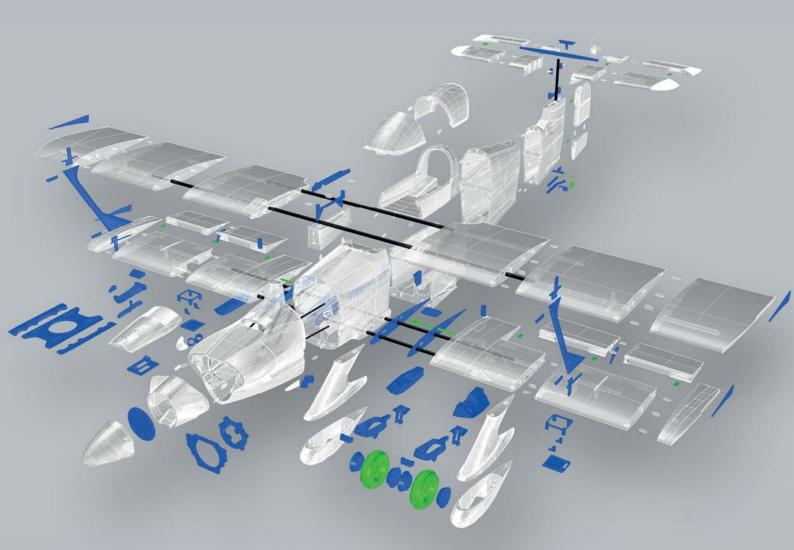




www.planeprint.com

the **ONLY** place where you can get original Planeprint STL files **legally!** 









WANNA PLAY II



## **Required** accessoires

## Filament

- LW-PLA (cannot be replaced by PLA!), ~1500 grams
- PLA oder better Tough PLA, ~320 grams
- TPU A95, ~20 grams
- LW-TPU Colorfabb VarioShore about 100 grams (strongly recommended for tires, but it also works with normal TPU)

## **Materials**

- some tapping screws (search for: M2 flat head tapping screw assortment)
- CA super glue (liquid and liquid medium)
- CA activator
- Metal screw 3\*40mm with nuts (not self-locking!), 4 pieces
- Metal screw 3\*20mm with self-locking nuts, 4 pieces
- Metal screw 3\*30mm, 2 pieces
- Ball bearings 3x6x2,5mm, 4 pieces
- Carbon tube Ø8mm\*1000mm (inside 6mm), 4 pieces\*
- Carbon rod Ø3\*1000mm, 1 piece\*
- Steel wire Ø1\*1000mm, 2 pieces
- Self-adhesive Velcro tape
- Velcro strap
- Servo cable extension 350mm, 2 pieces
- Rod connection, 4 pieces
- Neodym-Super-Magnet 5x5x5mm, 4 pieces
- some Hair gums
- some lead to correct the CG

### Tools

Cutter knife, small Philips screwdriver, Sandpaper, Metal saw, Needle nose pliers.

\*Cut the 8mm tubes into the following parts: Tube 1 for the gear: 2x125, 2x158 Tube 2 for the wings: 2x500 Tube 3 for the wings and HS: 1x800, 1x120 Tube 4 for the wing: 1x1000 (do not cut)

\*Cut the 3mm rod into the following parts: Motormount: 4x200



Nickel-Plated Carbon Steel Phillips Fil Head Sell Tapping Screen Matric

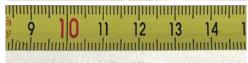
Metal screw 3\*40mm, 3\*20







Carbon tube









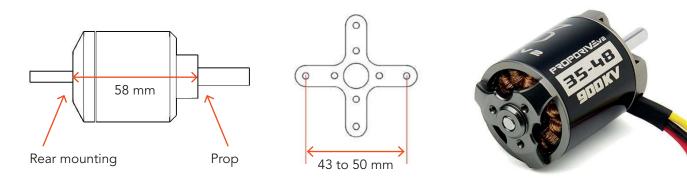


## **RC** Components

#### ENGINE

PROPDRIVE V2 3548 900KV (HobbyKing) or comparable motors. You can also use any other motor that fits a 14x7 propeller!

**NOTE** This motorization is very powerful. The Wanna Play is not full throttle safe with it. Always be careful, it is up to your discretion and the quality of your printing and assembly as to what stresses the aircraft can withstand.



The optimal length of the motor is when the distance to the back of the prop is 58 mm. If the motor is shorter, you can use longer screws and washers. If the motor is longer, the motor cross can also be mounted behind the motor mount. In this case the diameter of the motor must not be more than 35 mm!

**PROP** 12x7 or 14x6

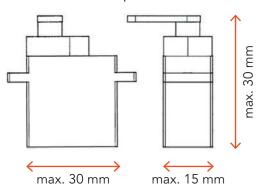
BEC-CONTROLLER 80 A (must fit the engine!)

**RECEIVER** 5 Channel

BATTERY 4S Lipo, 3500 – 5000 MaH (The battery should have a weight of 400 to 450 grams)

#### **SERVOS** 4 pieces like Corona DS-238MG or comparable

Dimensions (The optimal distance between screws is 35 mm):







## Printing the parts – Printing profiles

This manual is constantly being improved and supplemented, we recommend downloading the **latest version** from our website **before building**.

For slicing all Planeprint models, these profiles have to be created in Cura:

PROFILE P1\_Fullbody PROFILE P2\_Hollowbody PROFILE P3\_Surface (Not necessary for this plane) PROFILE P4\_Flex PROFILE P5\_Gyroid

You can find the description at www.planeprint.com/print

## Important for the 1-wall-print (P3, P5)!

In order to print airfoils of the lowest possible weight with high stability, it is necessary to print with only one wall line (Nozzle 0.4 mm). Decisive here is the adhesion between the layers! To achieve this, you must print at a much higher temperature than normal. As a **guideline**, 230° C is a good starting point. The parts-cooling fan should be set to 0% or a maximum of 20%. Since not every printer works the same, it may be necessary to make small adjustments to these settings.

For the new PROFILE P5\_Gyroid it is essential to use **Cura Version 5 or later**, It will work with older versions, but the weight of the parts will be higher and the printing time longer.

### PROFILE P5\_Gyroid

It is **essential for the necessary stability** of the **LW parts printed with PROFILE\_5 are as stable as possible**. Please use a test part to check the strength by fracture tests. It must not break along the layer lines under any circumstances! Also note that the printing temperature for LW-PLA is as low as possible to obtain a wall thickness of 0.4 to 0.6 mm at a flow of 60 to 70 % (depending on brand).

Caution: at too high temperatures, LW-PLA becomes brittle and breaks more easily.





The development of a complex, airworthy RC flight model to express on any standard 3D printer is a very complex and extensive process. Therefore, we appeal to your fairness not to forward the STL data you have acquired to third parties.

Thank you for your understanding and have fun with your PLANEPRINT MODEL!





The following parts must be sliced with the PROFILE P1\_Fullbody. **Please note the additional settings for the individual parts!** 

### P1\_Gear parts\_wp.stl

MATERIAL PLA, Weight: ~ 45 g

#### ADDITIONAL SETTINGS

None required

### P1\_Interconnects\_wp.stl

MATERIAL PLA, Weight: ~ 3 g

#### ADDITIONAL SETTINGS

None required



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The following parts must be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

### P1\_Motormount base\_wp.stl

MATERIAL PLA, Weight: ~ 21 g

#### ADDITIONAL SETTINGS

None required



### P1\_Motormount\_wp.stl

MATERIAL PLA, Weight: ~ 18 g

#### ADDITIONAL SETTINGS

None required



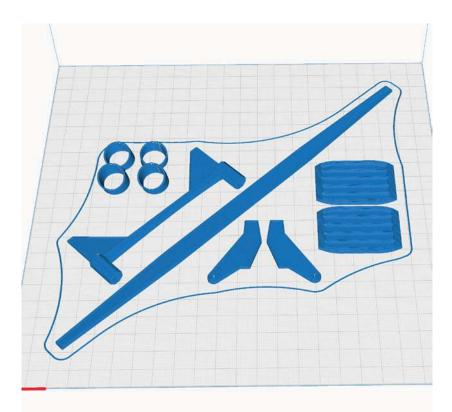
The following parts must be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

### P1\_Parts\_wp.stl

MATERIAL PLA, Weight: ~ 19 g

#### ADDITIONAL SETTINGS

None required

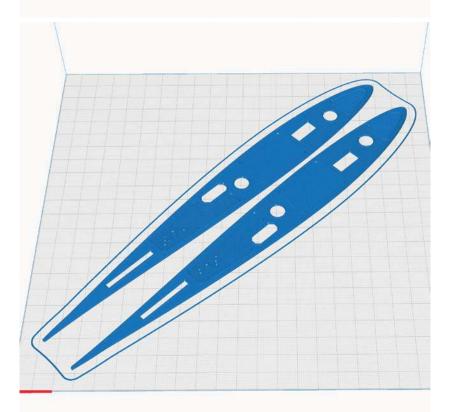


### P1\_Protectors FUS\_wp.stl

MATERIAL PLA, Weight: ~ 11 g

#### ADDITIONAL SETTINGS

None required







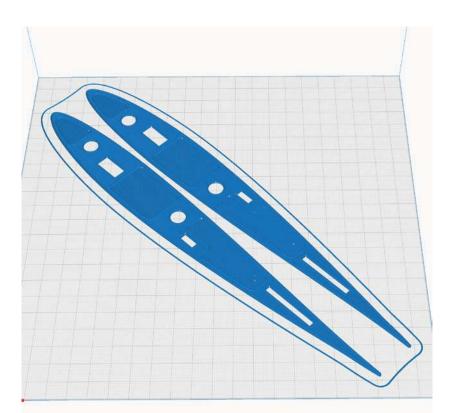
The following parts must be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

### P1\_Protectors WING\_wp.stl

MATERIAL PLA, Weight: ~ 11 g

#### ADDITIONAL SETTINGS

None required

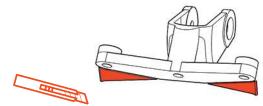


### P1\_Parts rear\_wp.stl

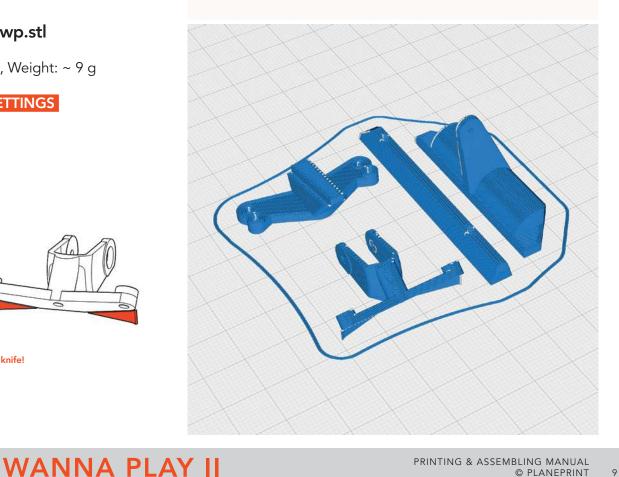
MATERIAL PLA, Weight: ~ 9 g

#### ADDITIONAL SETTINGS

None required



Remove support. Please be careful with the knife!





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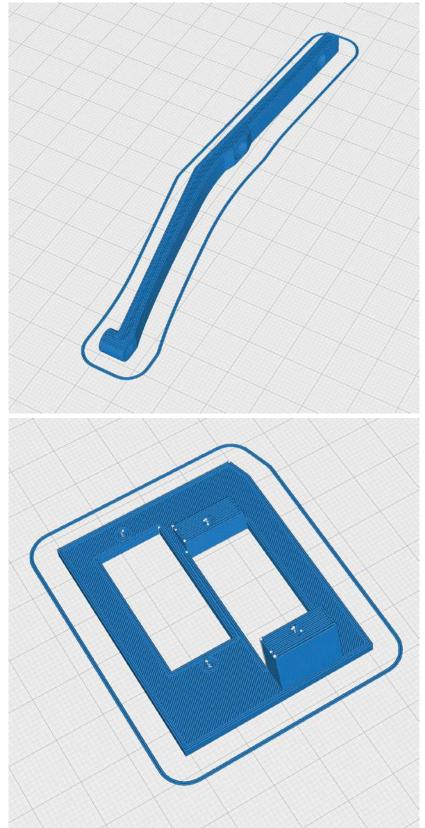
The following parts must be sliced with the PROFILE P1\_Fullbody. **Please note the additional settings for the individual parts!** 

### P1\_Rear gear\_wp.stl

MATERIAL PLA, Weight: ~ 4 g

ADDITIONAL SETTINGS

None required

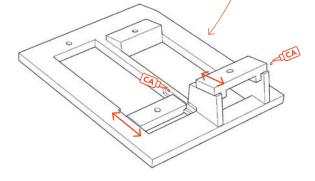




MATERIAL PLA, Weight: ~ 5 g

ADDITIONAL SETTINGS

None required





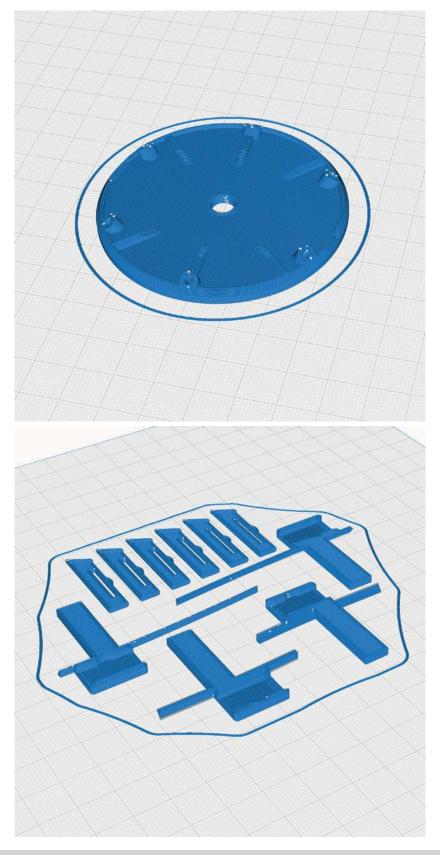
The following parts must be sliced with the PROFILE P1\_Fullbody. **Please note the additional settings for the individual parts!** 

### P1\_Spinner plate 6\_wp.stl

MATERIAL PLA, Weight: ~ 12 g

#### ADDITIONAL SETTINGS

None required



### P1\_Strut parts\_wp.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS

None required





The following parts must be sliced with the PROFILE P1\_Fullbody. **Please note the additional settings for the individual parts!** 

### P1\_Winglets\_wp.stl

MATERIAL PLA, Weight: ~ 11 g

#### ADDITIONAL SETTINGS

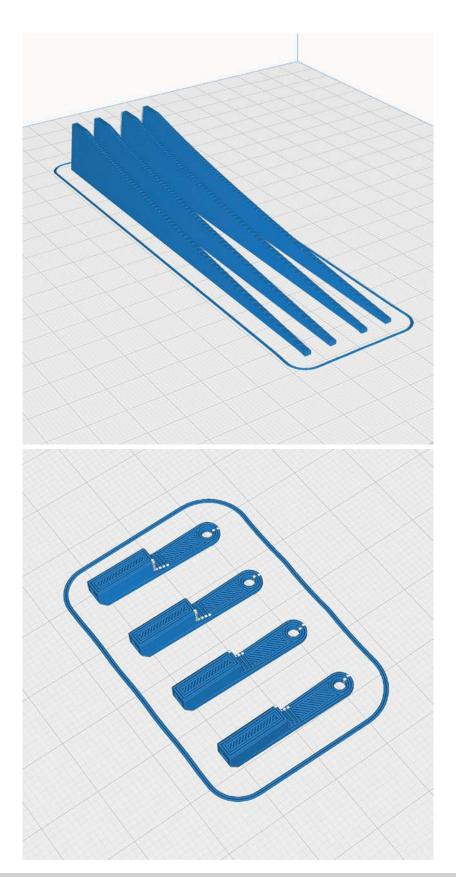
None required



MATERIAL PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS

None required







The following parts must be sliced with the PROFILE P1\_Fullbody. **Please note the additional settings for the individual parts!** 

### Carbon tool 8mm.stl

MATERIAL PLA, Weight: ~ 6 g

#### ADDITIONAL SETTINGS

None required

Use this tool to cut the 8mm carbon tubes.









The following parts must be sliced with the PROFILE P2\_Hollowbody. Please note the additional settings for the individual parts!

### P2\_Battery mount\_wp.stl

MATERIAL PLA, Weight: ~ 20 g

#### ADDITIONAL SETTINGS

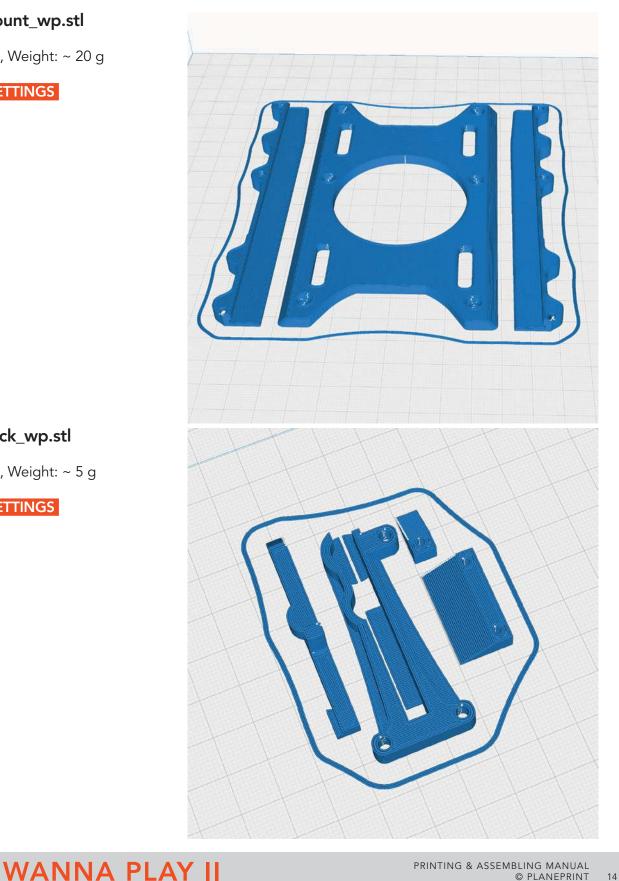
None required

### P2\_Cowling lock\_wp.stl

MATERIAL PLA, Weight: ~ 5 g

#### ADDITIONAL SETTINGS

None required





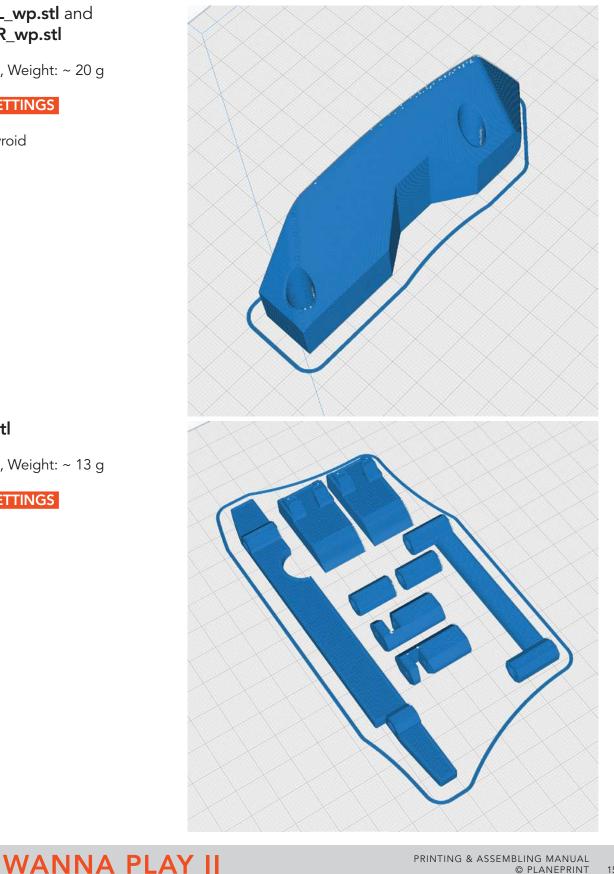
The following parts must be sliced with the PROFILE P2\_Hollowbody. Please note the additional settings for the individual parts!

### P2\_Gearbase L\_wp.stl and P2\_Gearbase R\_wp.stl

MATERIAL PLA, Weight: ~ 20 g

ADDITIONAL SETTINGS

• Infill Pattern: Gyroid



### P2\_Parts\_wp.stl

MATERIAL PLA, Weight: ~ 13 g

ADDITIONAL SETTINGS

None required



The following parts must be sliced with the PROFILE P2\_Hollowbody. **Please note the additional settings for the individual parts!** 

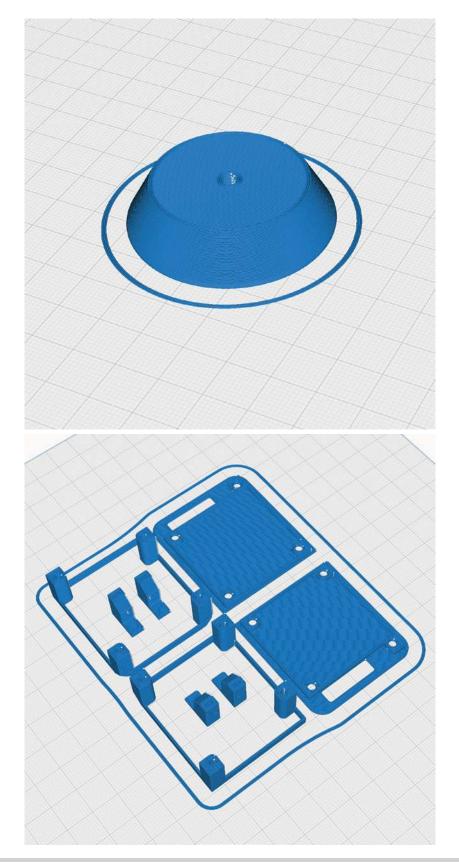
### P2\_Rim bearings\_wp.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS

• Wall Line Count: 3

There is also a rim version STL without ball bearing, but we recommend the variant with ball bearing!



### P2\_Servocovers\_wp.stl

MATERIAL PLA, Weight: ~ 11 g

ADDITIONAL SETTINGS

None required





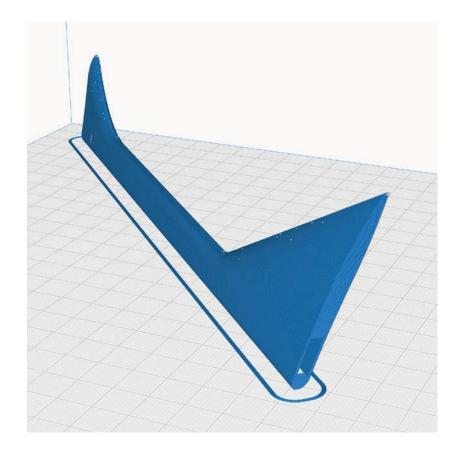
The following parts must be sliced with the PROFILE P2\_Hollowbody. **Please note the additional settings for the individual parts!** 

### P2\_Strut\_wp.stl

MATERIAL PLA, Weight: ~ 12 g

#### ADDITIONAL SETTINGS

- Infill Density: 6 %
- Print twice







## **PROFILE P4\_Flex**

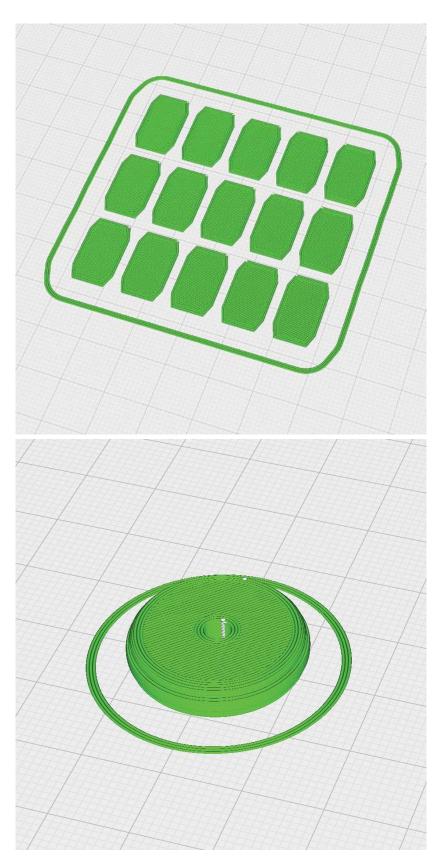
The following parts must be sliced with the PROFILE P4\_Flex. Please note the additional settings for the individual parts!

### P4\_Hinges\_wp.stl

MATERIAL TPU A95, Weight: ~ 2 g

#### ADDITIONAL SETTINGS

None required



#### P4\_Rear wheel\_wp.stl

MATERIAL TPU A95 or better VarioShore, Weight: ~ 2 g

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#### ADDITIONAL SETTINGS

VarioShore with Flow 70 %: • Infill Density: 100 %

**TPU A95:** • Infill Density: 100 %



## **PROFILE P4\_Flex**

The following parts must be sliced with the PROFILE P4\_Flex. Please note the additional settings for the individual parts!

### P4\_Rubber bands\_wp.stl

MATERIAL TPU A95, Weight: ~ 1 g

#### ADDITIONAL SETTINGS

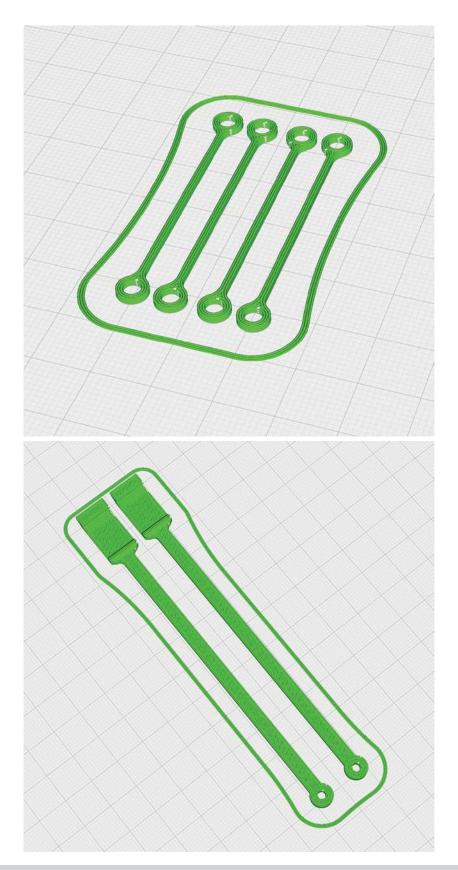
None required

### P4\_Tension belts 125\_wp.stl

MATERIAL TPU A95, Weight: ~ 4 g

#### ADDITIONAL SETTINGS

None required







## **PROFILE P4\_Flex**

The following parts must be sliced with the PROFILE P4\_Flex. Please note the additional settings for the individual parts!

### P4\_Tire\_wp.stl

MATERIAL TPU A95 or better VarioShore, Weight: ~ 55 g

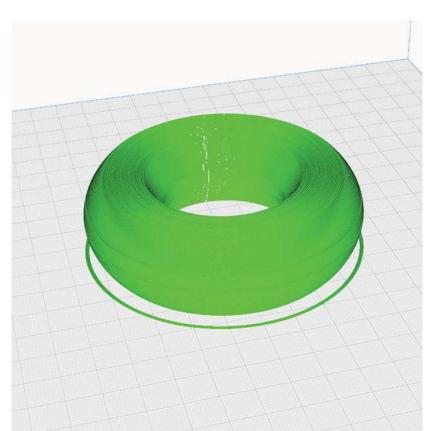
#### ADDITIONAL SETTINGS

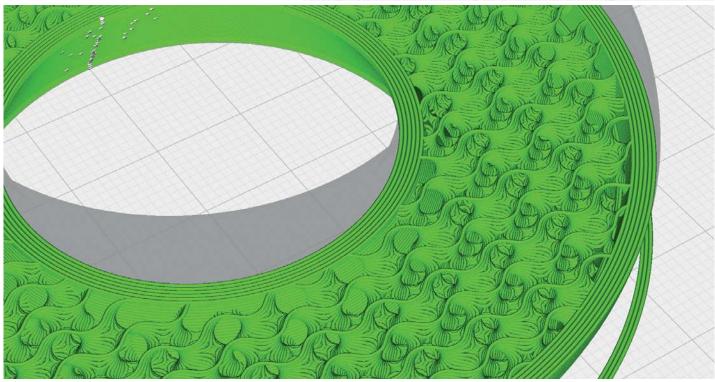
#### VarioShore with Flow 70 %:

- Wall Line Count: 6
- Top Layers: 6
- Bottom Layers: 6
- Infill Density: 15 %
- Infill Pattern: Gyroid
- print this part twice

#### **TPU A95:**

- Wall Line Count: 3
- Top Layers: 3
- Infill Pattern: Gyroid









The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

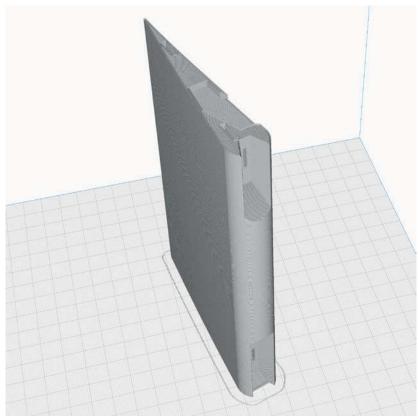
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_AIL 1 L\_wp.stl and P5\_AIL 1 R\_wp.stl

**MATERIAL LW-PLA**, ~ 17 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required

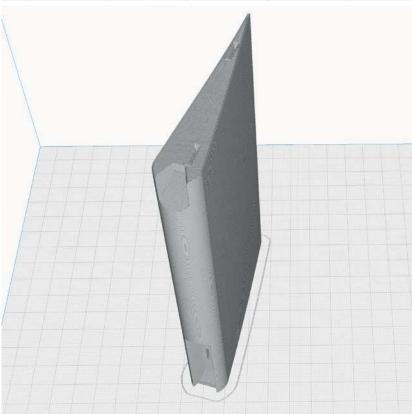


### P5\_AIL 2 L\_wp.stl and P5\_AIL 2 R\_wp.stl

**MATERIAL LW-PLA**, ~ 15 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required





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The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

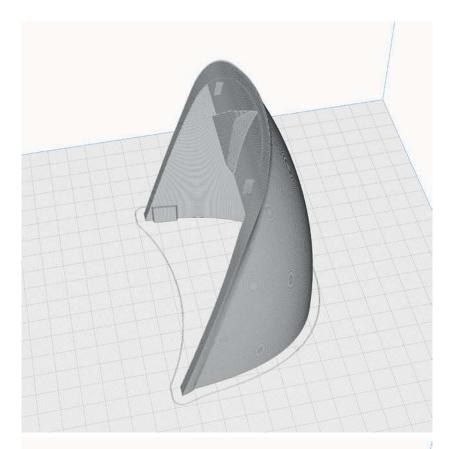
### P5\_Canopy1\_wp.stl

MATERIAL LW-PLA, ~ 13 g\*

\*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required

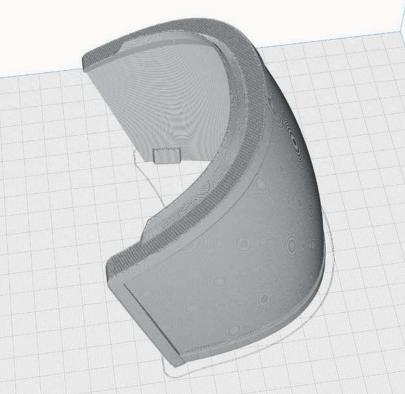


### P5\_Canopy2\_wp.stl

MATERIAL LW-PLA, ~ 17 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required





The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

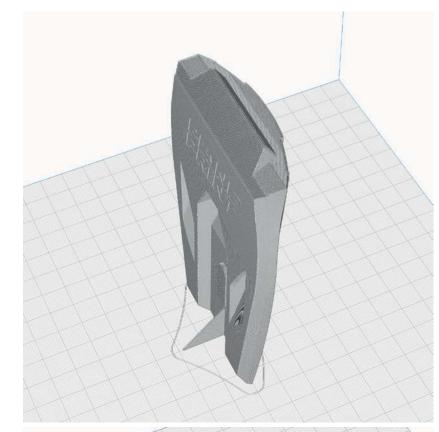


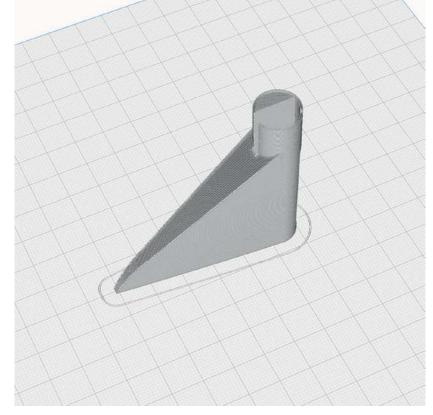
### P5\_Elevator 1 L\_wp.stl and P5\_Elevator 1 R\_wp.stl

MATERIAL LW-PLA, ~ 3 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required







The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

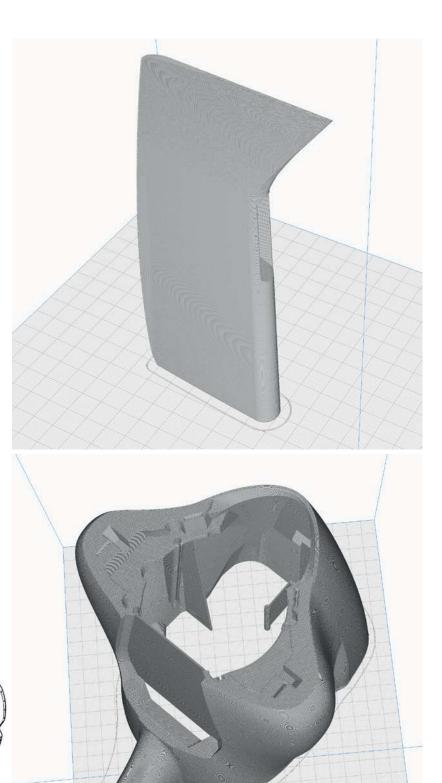
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

### P5\_Elevator 2 L\_wp.stl and P5\_Elevator 2 R\_wp.stl

**MATERIAL LW-PLA**, ~ 7 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required



### P5\_FUS 1\_wp.stl

**MATERIAL LW-PLA**, ~ 95 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

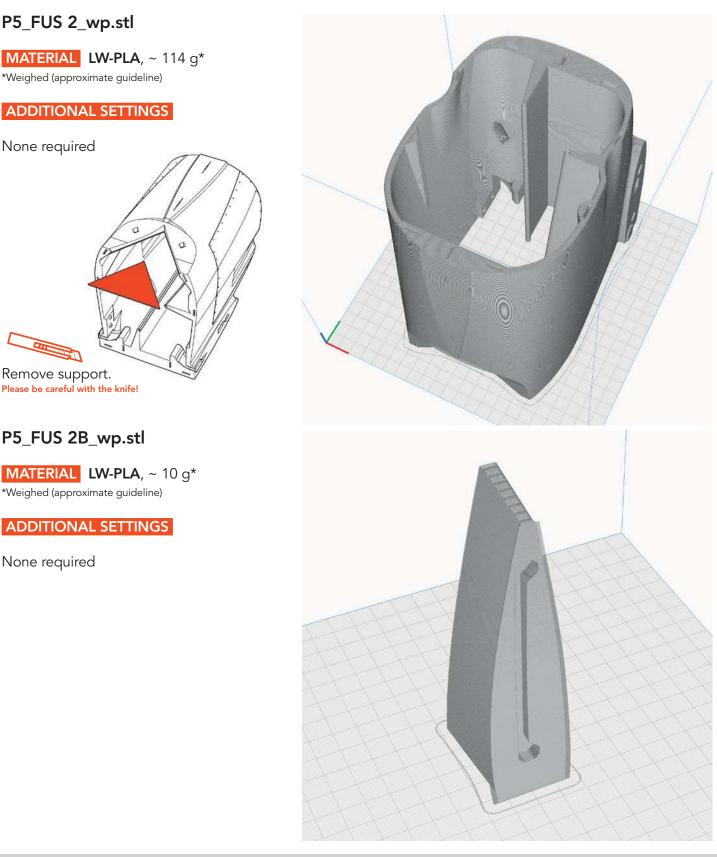
• Z Seam Position: Back Right

Remove support. Please be careful with the knife!



The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

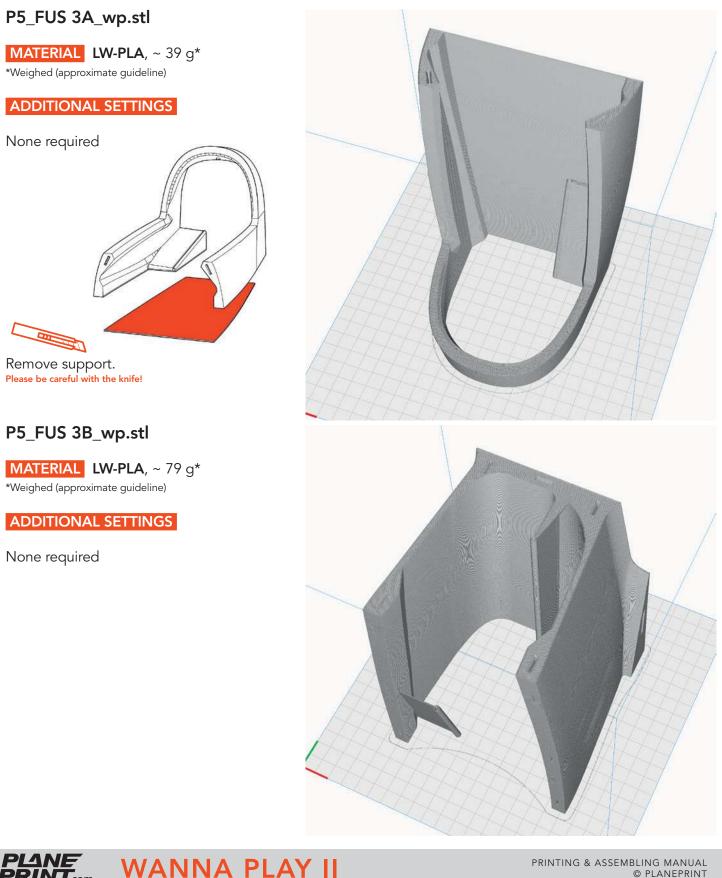
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment!



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The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

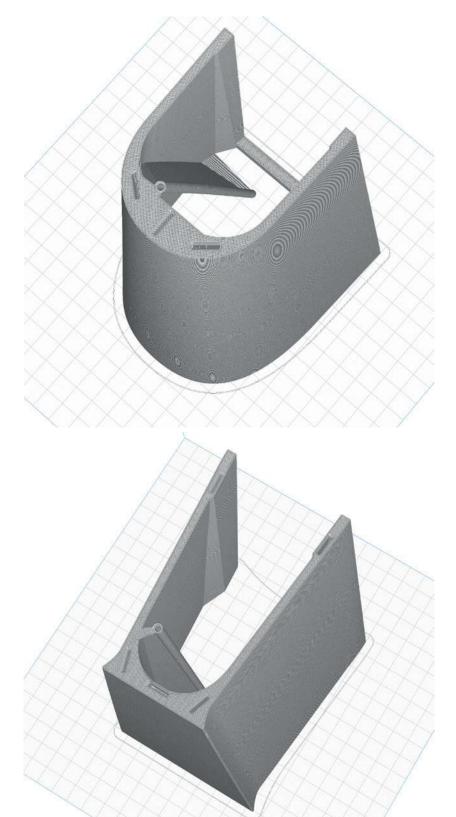
#### P5\_FUS 4A\_wp.stl

MATERIAL LW-PLA, ~ 40 g\*

\*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required



#### P5\_FUS 4B\_wp.stl

**MATERIAL LW-PLA**, ~ 49 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required



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The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment!

#### P5\_FUS 5\_wp.stl

MATERIAL LW-PLA, ~ 55 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

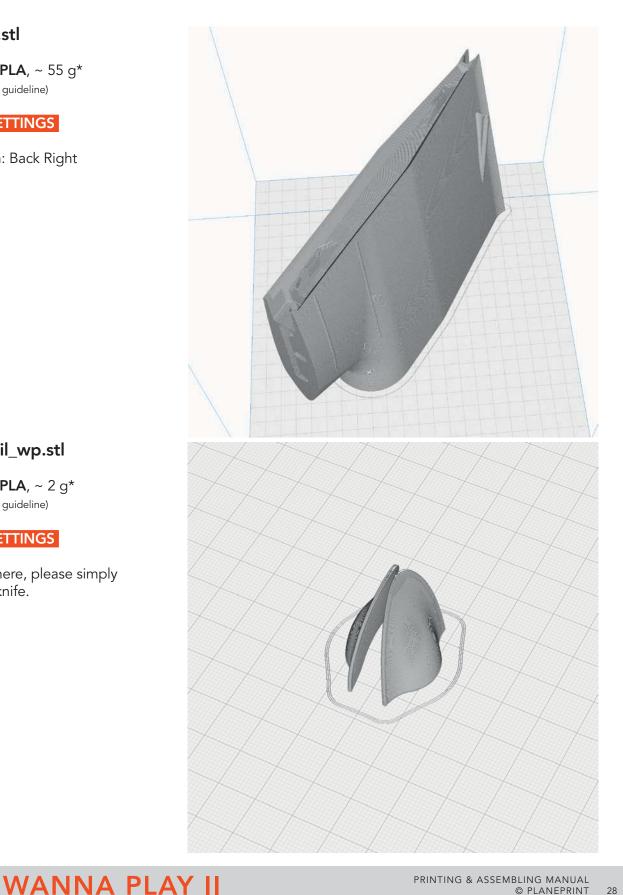
• Z Seam Position: Back Right





#### ADDITIONAL SETTINGS

Stringing occurs here, please simply remove with the knife.





The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

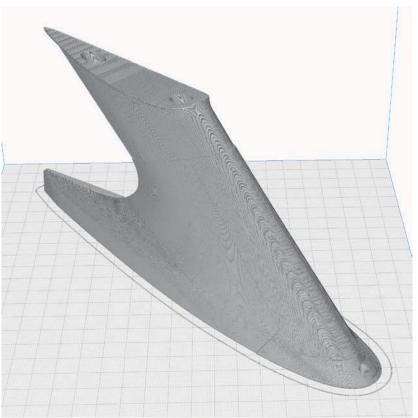
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

# P5\_Gear A L\_wp.stl and P5\_Gear A R\_wp.stl

MATERIAL LW-PLA, ~ 25 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

• Z Seam Position: Back Left

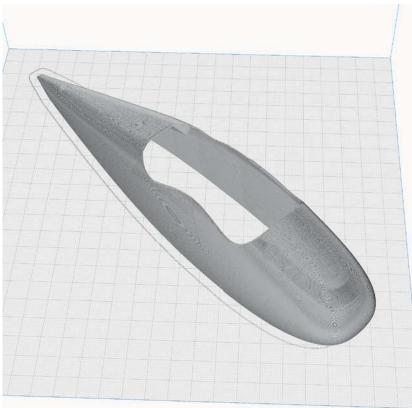


## P5\_Gear B L\_wp.stl and P5\_Gear B R\_wp.stl

**MATERIAL LW-PLA**, ~ 15 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

• Z Seam Position: Back Left





The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

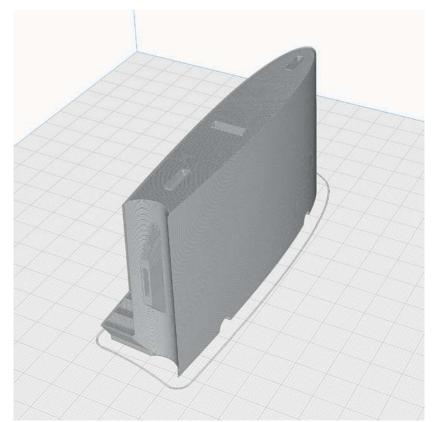
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

### P5\_HS 1 L\_wp.stl and P5\_HS 1 R\_wp.stl

**MATERIAL LW-PLA**, ~ 11 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required

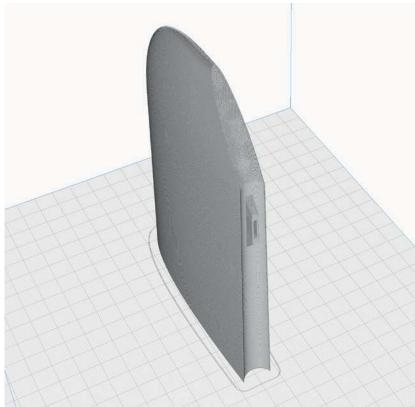


### P5\_HS 2 L\_wp.stl and P5\_HS 2 R\_wp.stl

**MATERIAL LW-PLA**, ~ 18 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required





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The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment!

#### P5\_HS 3\_wp.stl

MATERIAL LW-PLA, ~ 2 g\*

\*Weighed (approximate guideline)

ADDITIONAL SETTINGS

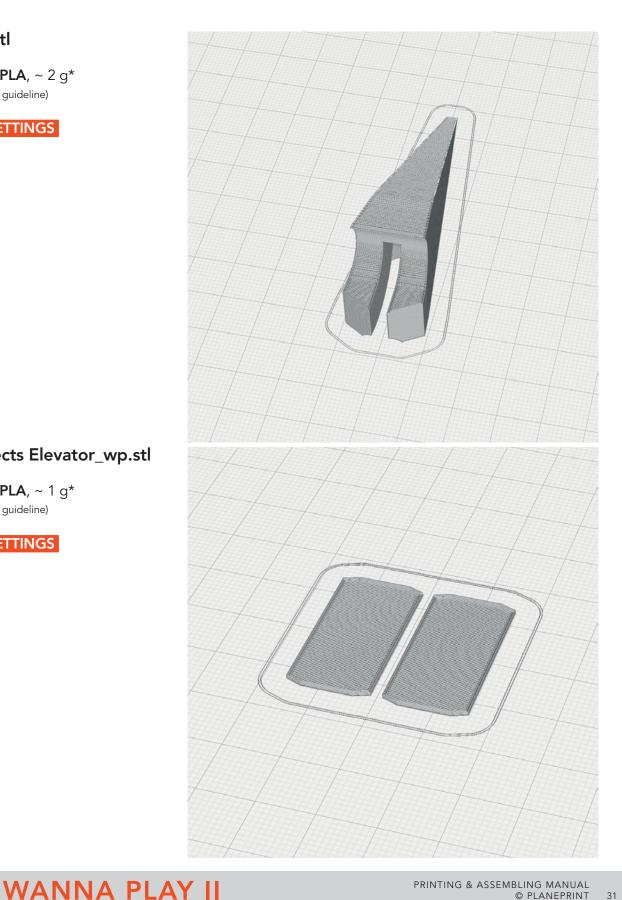
None required

### P5\_Interconnects Elevator\_wp.stl

MATERIAL LW-PLA, ~ 1 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required





The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

#### P5\_Nose\_wp.stl

### MATERIAL LW-PLA, ~ 18 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

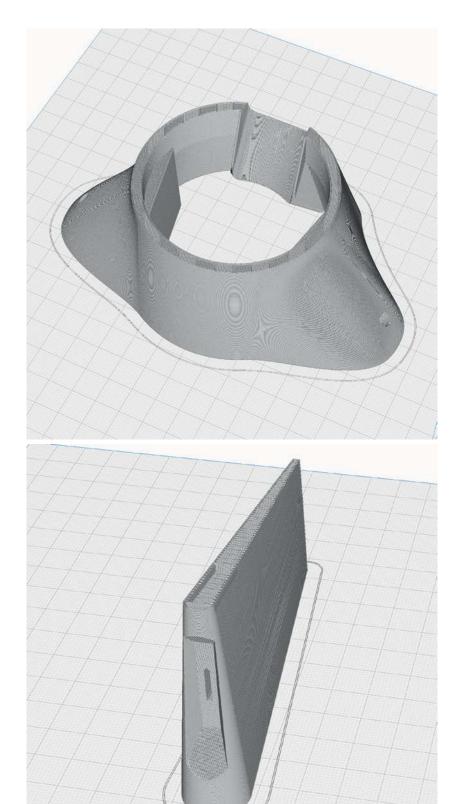
None required



**MATERIAL** LW-PLA, ~ 6 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required





The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

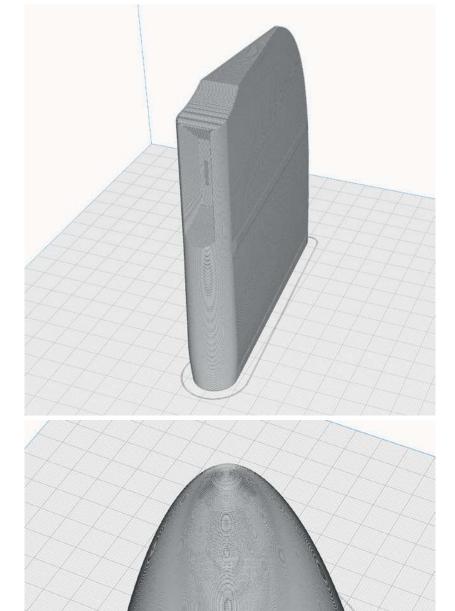
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

#### P5\_Rudder 2\_wp.stl

MATERIAL LW-PLA, ~ 13 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required



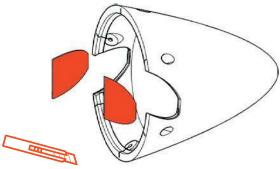
0

### P5\_Spinner\_wp.stl

MATERIAL LW-PLA, ~ 11 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

• Infill Density: 8 %



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Remove support. Please be careful with the knife!





The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

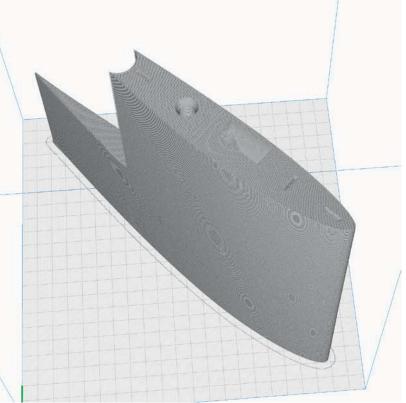
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

### P5\_WING down 1 L\_wp.stl and P5\_WING down 1 R\_wp.stl

MATERIAL LW-PLA, ~ 70 g\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

• Z Seam Position: Back Left



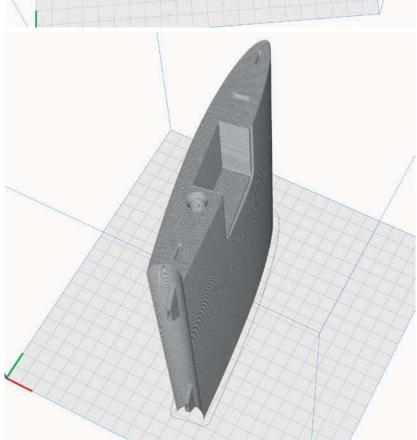
### P5\_WING down 2 L\_wp.stl and P5\_WING down 2 R\_wp.stl

WANNA PLAY II

**MATERIAL LW-PLA**, ~ 50 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required





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The following parts must be sliced with the PROFILE P5\_Gyroid. **Please note the additional settings** for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

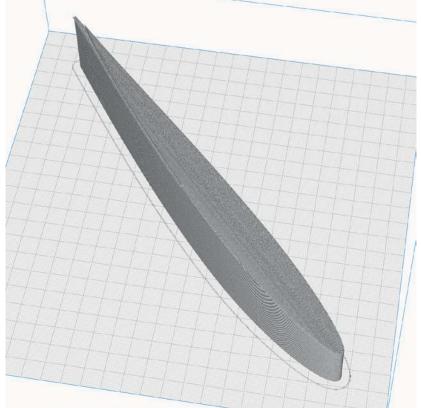
### P5\_WING down 3 L\_wp.stl and P5\_WING down 3 R\_wp.stl

MATERIAL LW-PLA, ~ 16 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

• Z Seam Position: Back Left

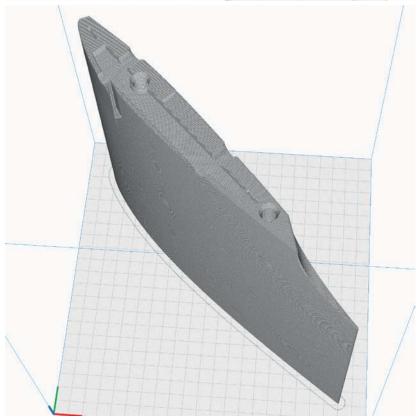


#### P5\_WING top 1 L\_wp.stl and P5\_WING top 1 R\_wp.stl

**MATERIAL LW-PLA**, ~ 66 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

• Z Seam Position: Back Left





WANNA PLAY II

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The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

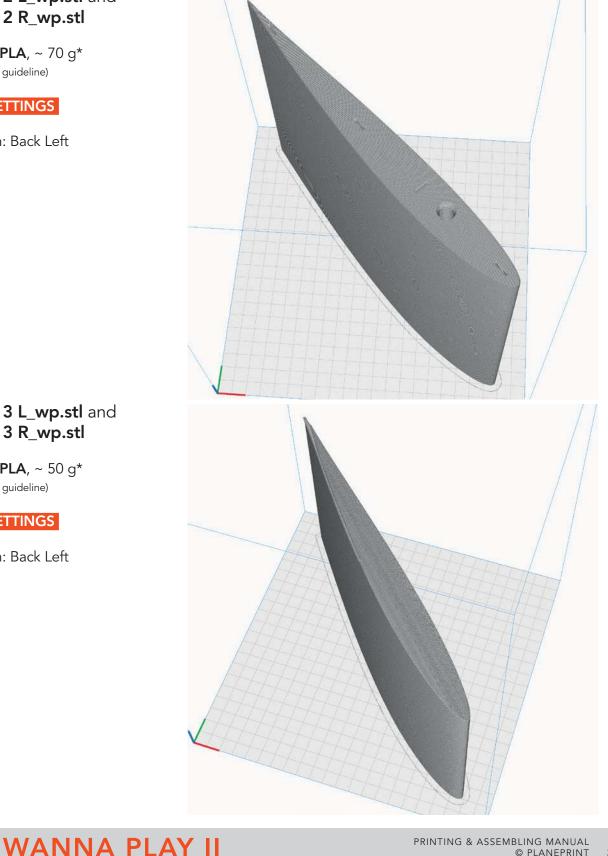
Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment!

### P5\_WING top 2 L\_wp.stl and P5\_WING top 2 R\_wp.stl

MATERIAL LW-PLA, ~ 70 q\* \*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

Z Seam Position: Back Left



### P5\_WING top 3 L\_wp.stl and P5\_WING top 3 R\_wp.stl

MATERIAL LW-PLA, ~ 50 g\* \*Weighed (approximate guideline)

ADDITIONAL SETTINGS

• Z Seam Position: Back Left



#### **Basic Information:**

#### Gluing the parts printed with PROFILE P5

- STEP 1 As a first step, it is important to roughen and smooth the adhesive surfaces with sandpaper.
- **STEP 2** Insert the **interconnects into the slots** provided on one side.
- STEP 3 Apply a lot of glue to the side with the interconnects. It is important that there is glue everywhere, especially on the outside and inside of the wall surfaces, in order to achieve a perfect connection. The interconnects only serve to align the parts to each other. It is better **not** to apply glue here, otherwise it can happen that the glue suddenly hardens while the parts are being put together and stops the process.

Use medium viscosity CA glue, thinner glue would run down the parts too easily.

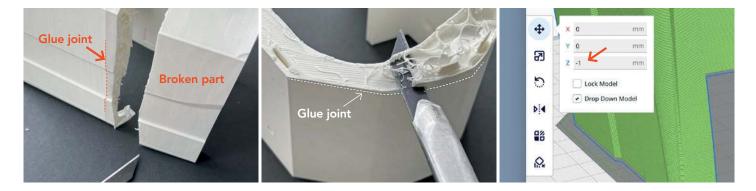
After assembly, **align the two parts exactly** and wipe off the excess CA glue from the surface with a cloth. Now spray with activator spray along the gluing surface and carefully press the parts together.

**STEP 4** Clean the glued areas slightly with a **sharp-bladed** cutter.



#### **PROFILES 5** parts are easy to repair

- **STEP 1** Using the knife, carefully remove the damaged part about 3 mm from the glue joint between two parts.
- **STEP 2** Cut wall and infill and clean the surface with sandpaper. **The top surface of the damaged part remains!**
- **STEP 3** The remaining top surface is about 1 mm thick. To compensate for this, you can move the new part to be printed down the Z axis in Cura by 1 mm.

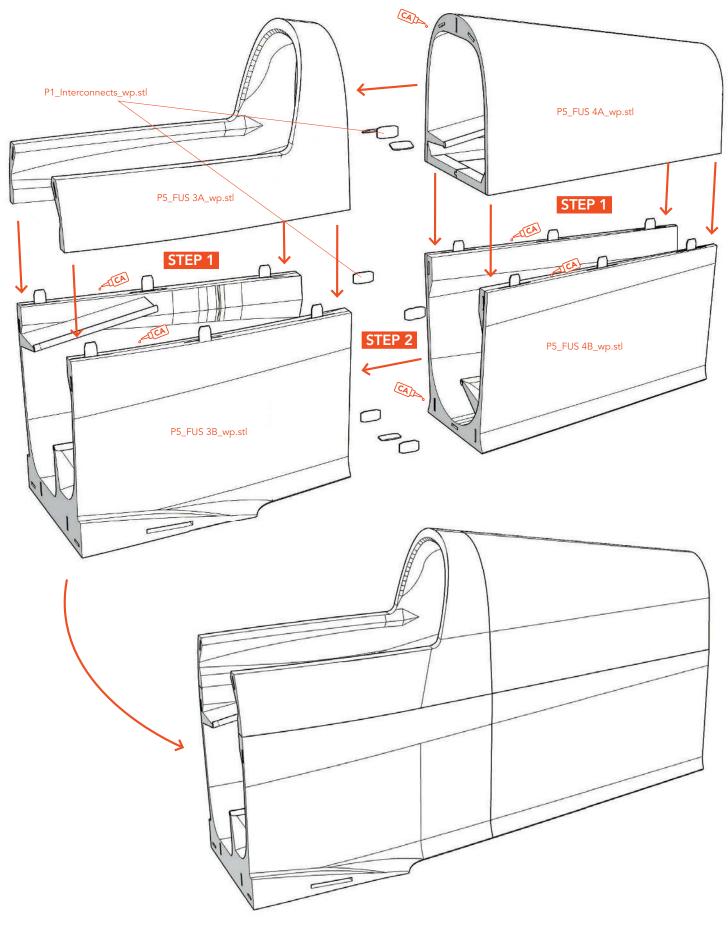




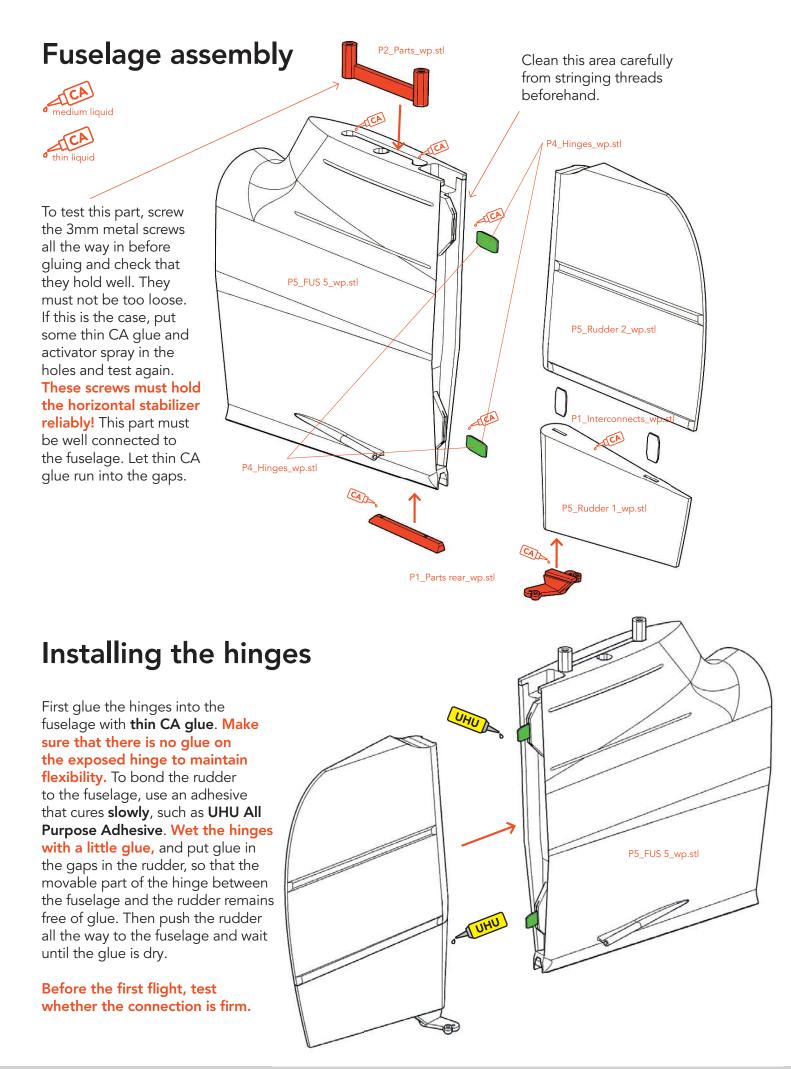


## Fuselage assembly



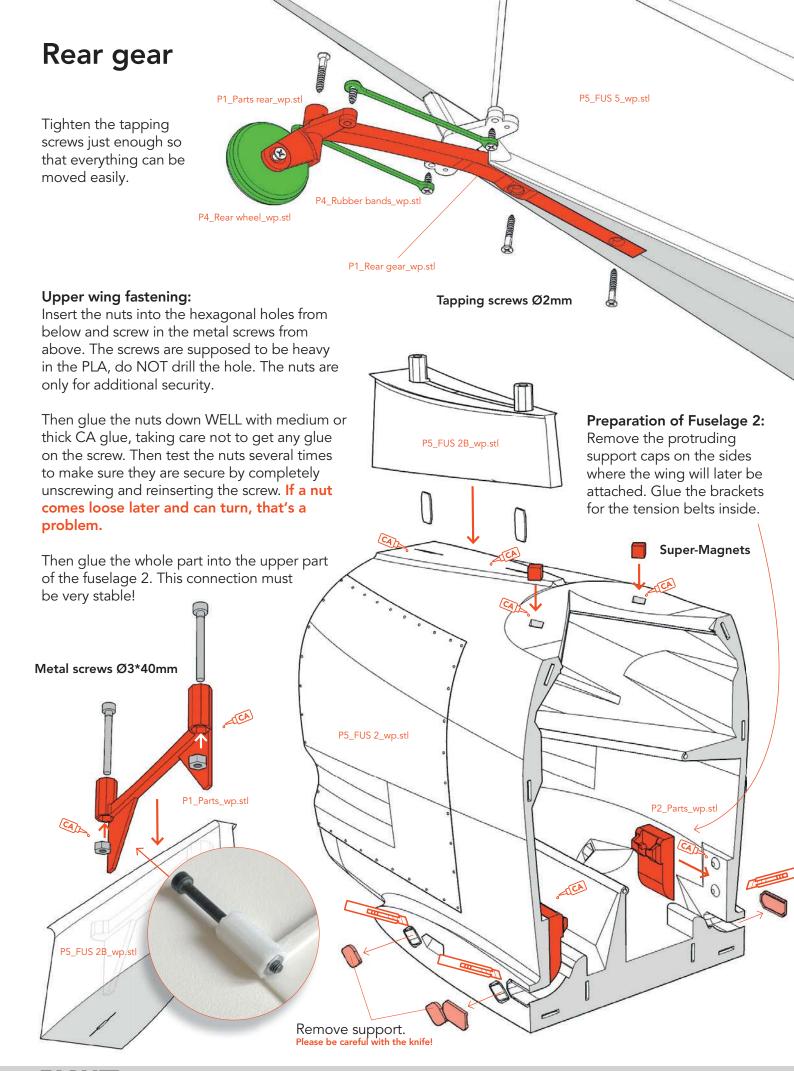








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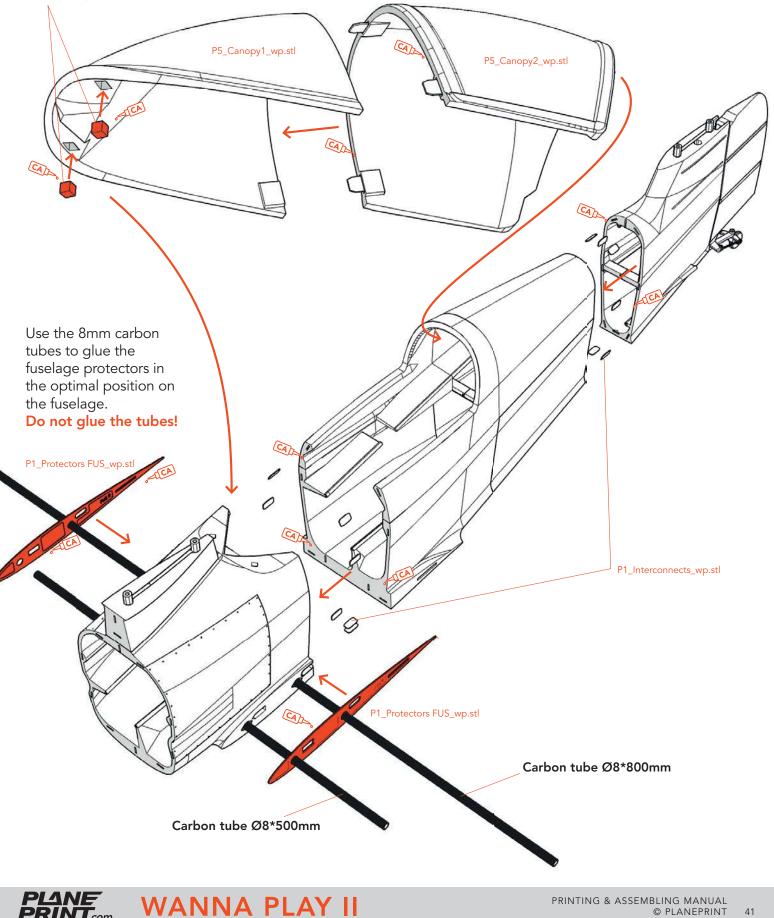
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#### Super-Magnets – ensure correct alignment!



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#### **Fuselage assembly**

must face forward!

P1\_Motormount base\_wp.stl

Assemble the parts as shown in the picture. Then run **thin CA glue** over the entire surface of the motor mount and the carbon rods. **This glue connection is very important so that the motor is well fixed!** The side that was down on the buildplate

TCA

WANNA PLAY II

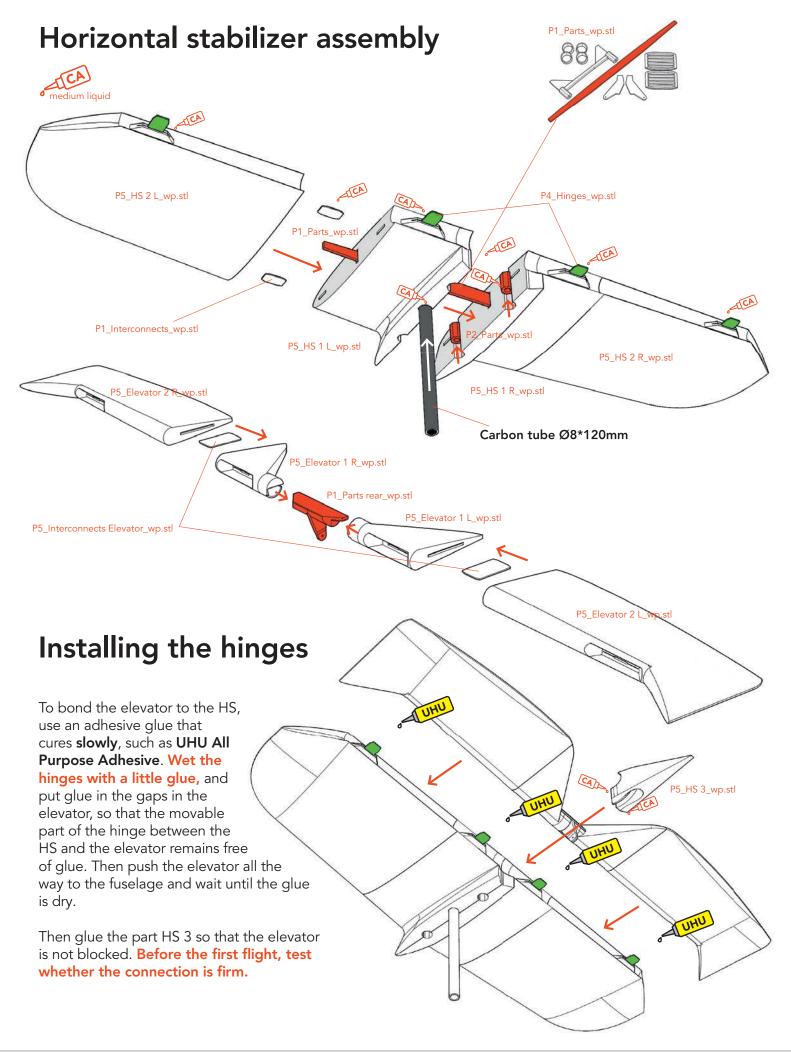
Carbon rods Ø3\*200mm, 4 pieces

P5\_FUS 1\_wp.stl

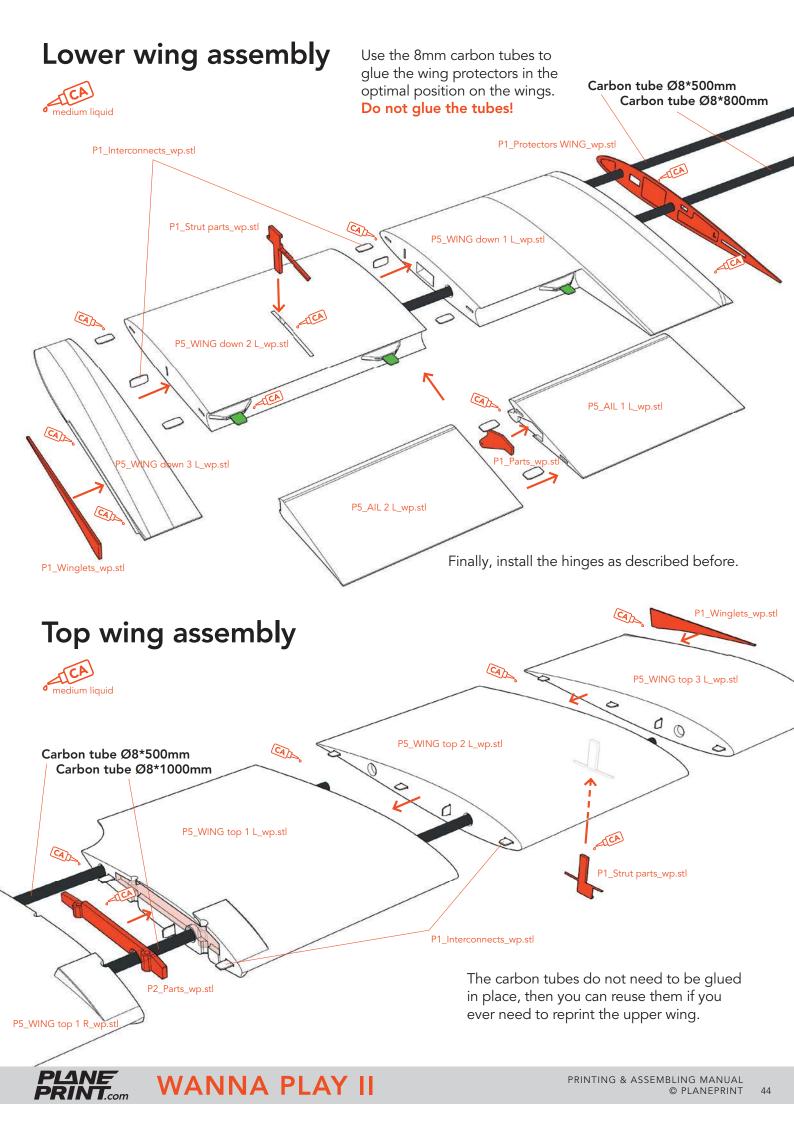
P1\_Parts\_wp.st

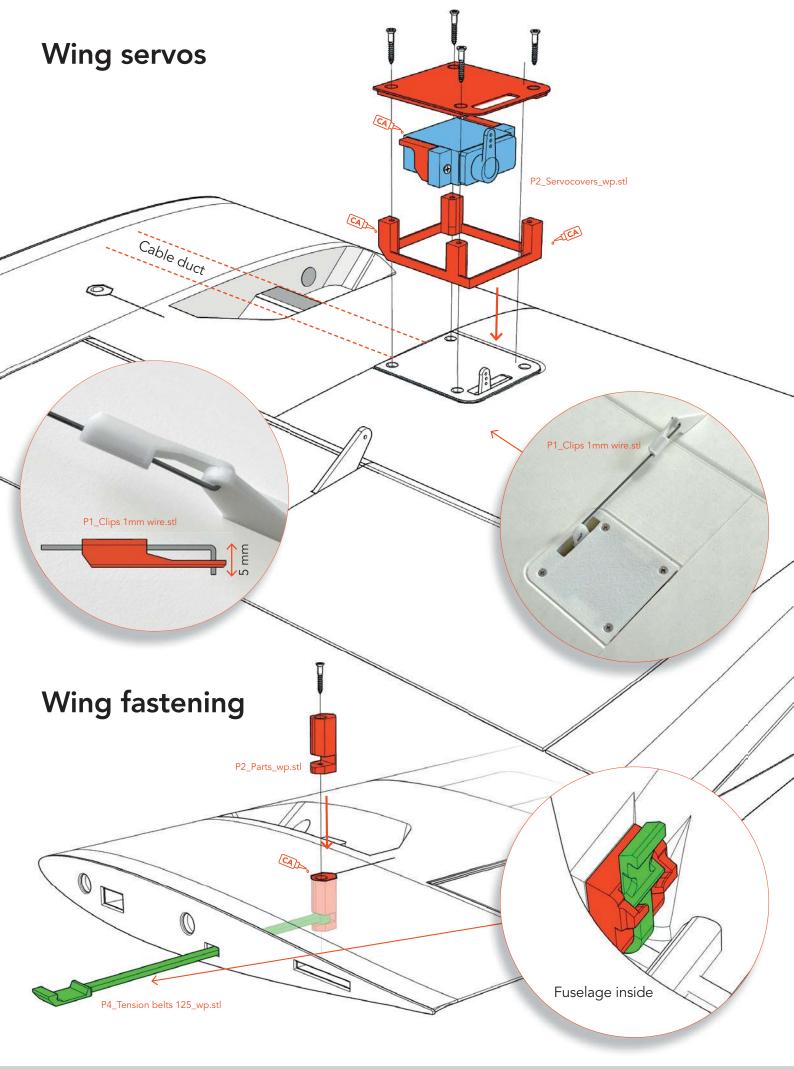
P5\_FUS1 detail\_wp.stl



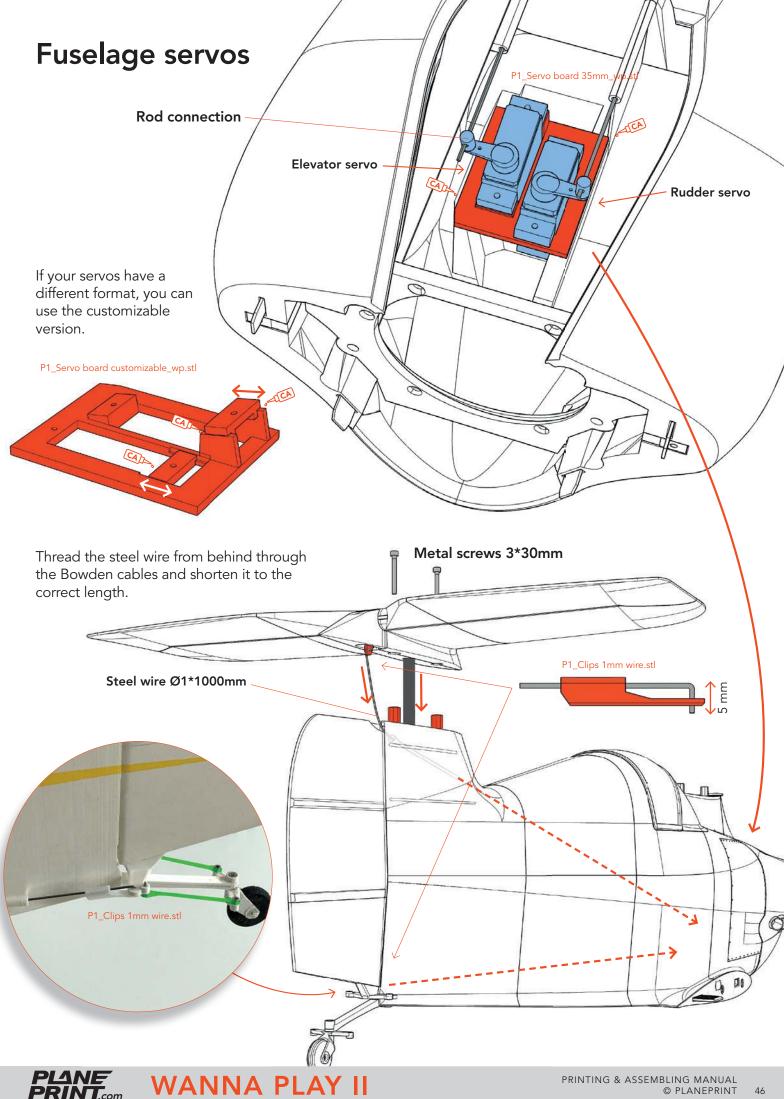








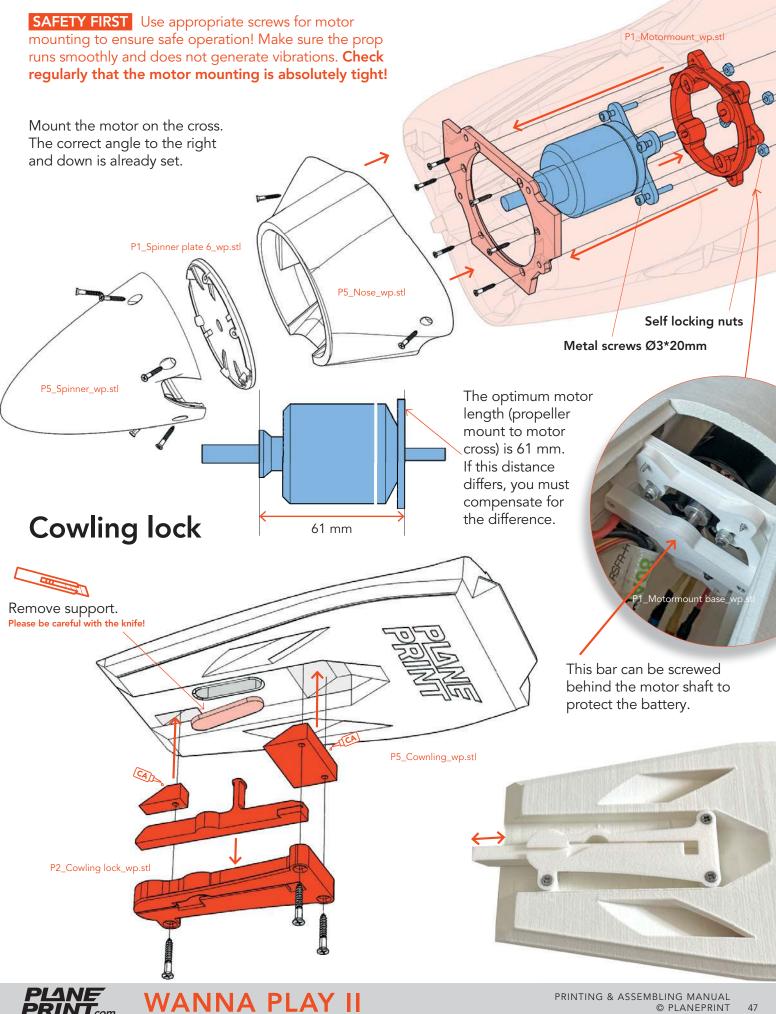




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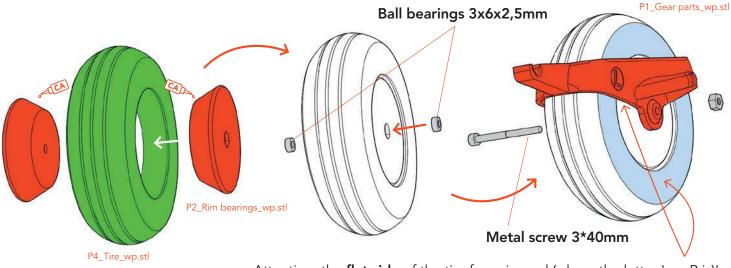
#### Motor mounting

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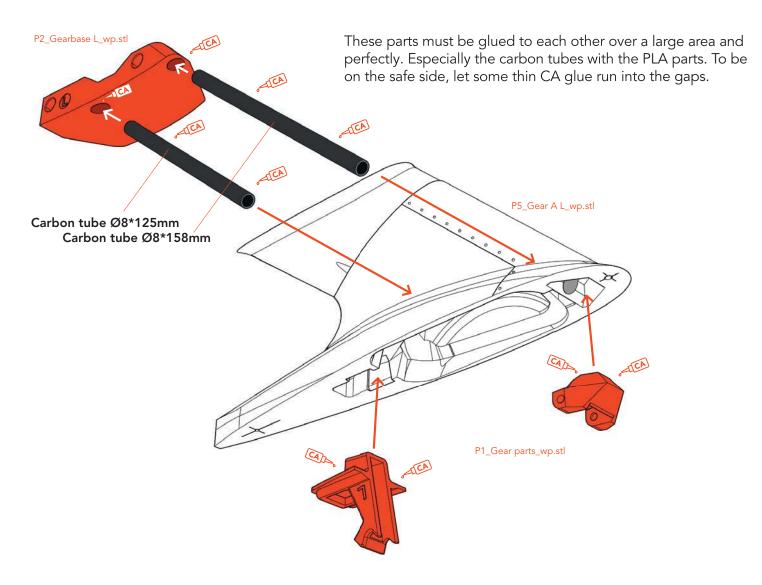


Gear

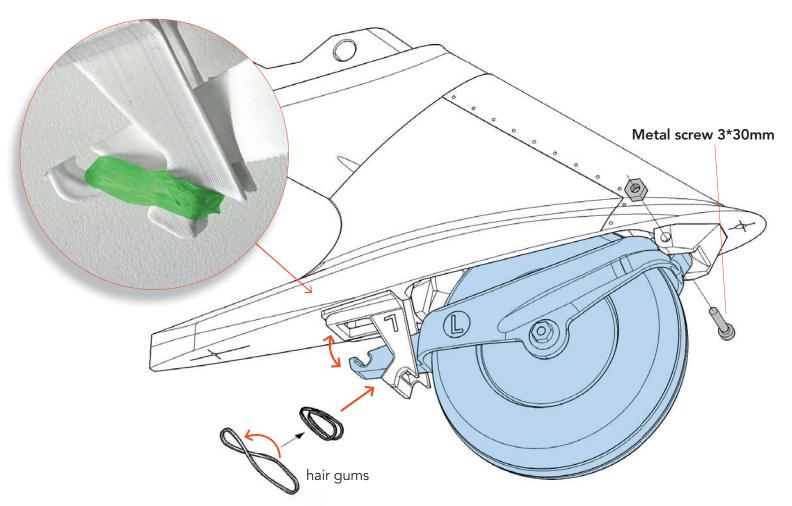
**NOTE** The wheels must be **absolutely smooth-running**, otherwise there is a risk that the aircraft will roll over during landing! Therefore, make sure that all screws and parts of the gear are installed very precisely and that the wheel cannot drag anywhere. For this reason, we strongly recommend that you build the version **with ball bearings**.



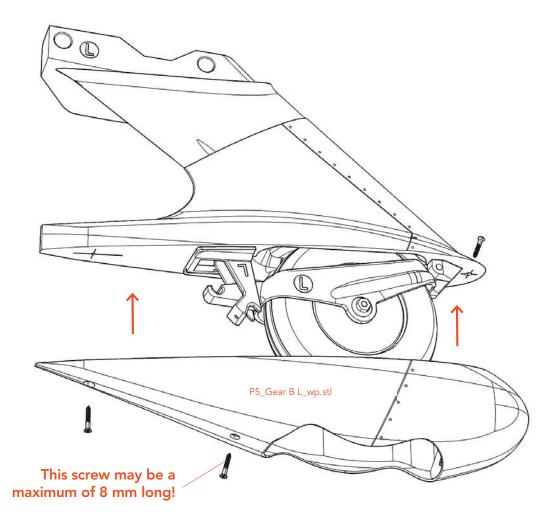
Attention, the **flat side** of the tire faces inward (where the letter L or R is)!







Use about 3 or 4 hair gums to adjust the spring force. It should not be too tight.





# Wing fastening The gear is not glued to the wing but is held in place by the carbon tubes. Hold it firmly during disassembly so that it can not fall down! P1\_Strut parts\_wp.stl Metal screws 3\*40mm P2\_Strut\_wp.stl P1\_Strut parts\_wp.stl

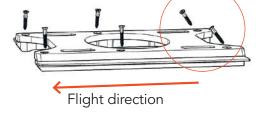


## **Battery fastening**

First screw the battery plate to the two brackets and then glue them to the mounting rails in fuselage 1. you can unscrew the battery plate later if you need to replace a servo, for example.

Use self-adhesive Velcro strips and Velcro strips to attach the battery.

Attention: the slanted screws are on the rear side!



#### **RC** components

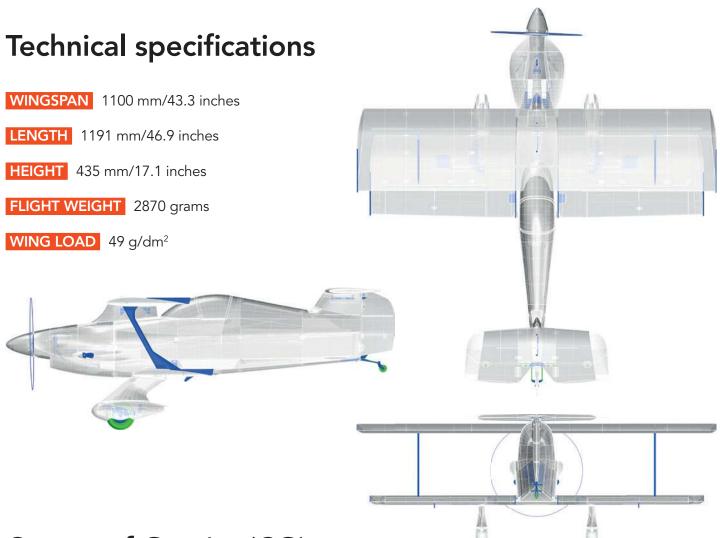
P5\_FUS 1\_wp.stl

Q

Mounting rails

P2\_Battery mount\_wp.st

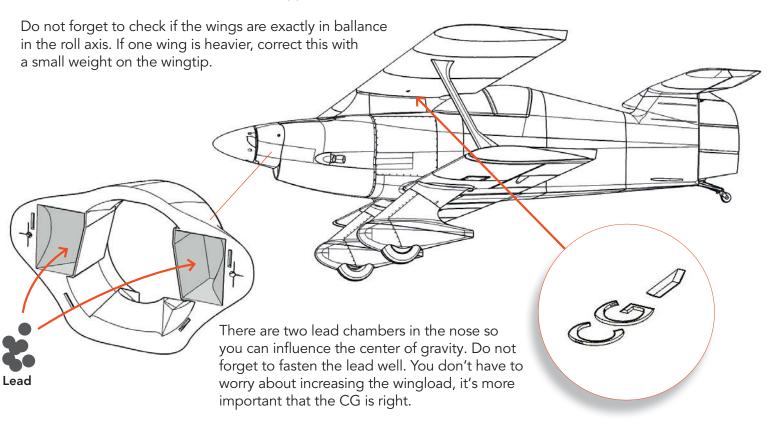




#### Center of Gravity (CG)

WANNA PLAY II

The aircraft must balance **precisely** on these points and the nose should tend rather minimally downward. (**94 mm** behind the leading edge of the upper wing – **see the markings on the upper wing**).





## Tips for flying

The Wanna Play II has a relatively high gear and you have to be careful when taxing and taking off and landing that the nose does not go down, which can result in a rollover. Therefore it is important to always keep some elevator up, especially when you see the tail taking off. Therefore, it is very important that the wheels run very smoothly and do not brake even when cornering.

**START** The original is a real racer, but our model was not designed for the highest speeds, but for very goodnatured general flight characteristics. It is better not to give full throttle right away, but to increase the engine power sensitively when starting up. The airfoil used generates lift very quickly during takeoff and you are in the air after a few meters. Your piloting skills should allow you to make corrections with the rudder!

**LANDING** You should plan a wide landing approach and have enough space to flare out, because the model glides very much. The touchdown on the ground should be as slow as possible, otherwise it is better to accelerate again and make a new approach. Try at high altitude how the model reacts in slow flight, then you will quickly get a feeling for it. In no case should you force the landing when the speed is still high (but this applies to most models).



The landing angle is perfect when the nose points slightly upwards (See the official Planeprint video).

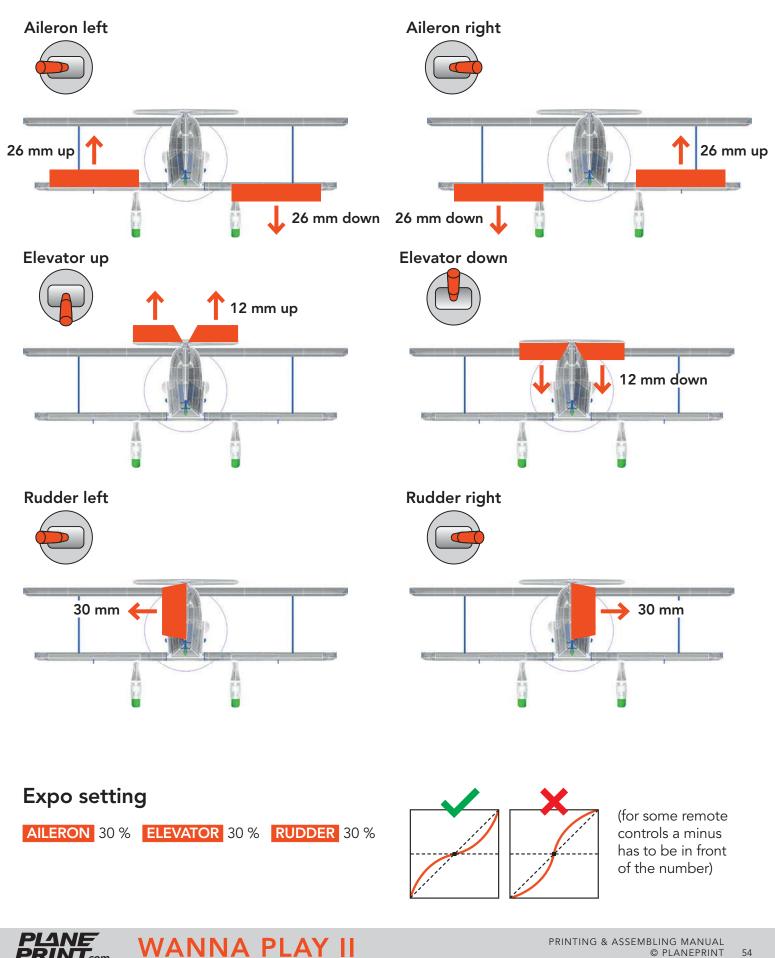




## Settings for flying

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When checking the control directions, look at the aircraft from behind.



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#### AGE RECOMMENDATION 14+

#### NOT FOR CHILDREN UNDER 14 YEARS. THIS IS NOT A TOY!

The STL data (or data processed from it, such as G codes) must never be passed on to third parties!

The purchase of the STL does not authorize the production of models for third parties.

By using the download data, an RC model airplane, called "model" for short, can be manufactured using a 3D printer. As a user of this model, only you are responsible for safe operation that does not endanger you or others, or that does not damage the model or property of others.

PLANEPRINT.com assumes no responsibility for damage to persons and property caused by pressure, transport or use of the product. Filaments, printing supplies, hardware or consumables that can not be used after faulty 3D printing will not be replaced by PLANEPRINT.com in any way.

When operating, always keep a safe distance from your model in all directions to avoid collisions and injuries.

This model is controlled by a radio signal. Radio signals can be disturbed from outside without being able to influence it. Interference can lead to a temporary loss of control.

Always operate your model on open terrains, far from cars, traffic and people.

Always follow the instructions and warnings for this product and any optional accessories (servos, receivers, motors, propellers, chargers, rechargeable batteries, etc.) carefully. Keep all chemicals, small parts and electrical components out of the reach of children.

Avoid water contact with all components that are not specially designed and protected. Moisture damages the electronics.

Never take an item of the model or accessory in your mouth as this can lead to severe injuries or even death.

Never operate your model with low batteries in the transmitter or model.

Always keep the model in view and under control. Use only fully charged batteries.

Always keep the transmitter switched on when the model is switched on.

Always remove the battery before disassembling the model.

Keep moving parts clean and dry at all times.

Always allow the parts to cool before touching them.

Always remove the battery after use.

Make sure that the Failsafe is properly set before the flight.

Never operate the model with damaged wiring.

Never touch moving parts.

We develop our models to the best of our knowledge and belief. We accept no liability for consequential damage and injuries caused by improper use or incorrectly printed parts. **Please be careful when handling motors, batteries and propellers** and only move your model with insurance and in approved places!

