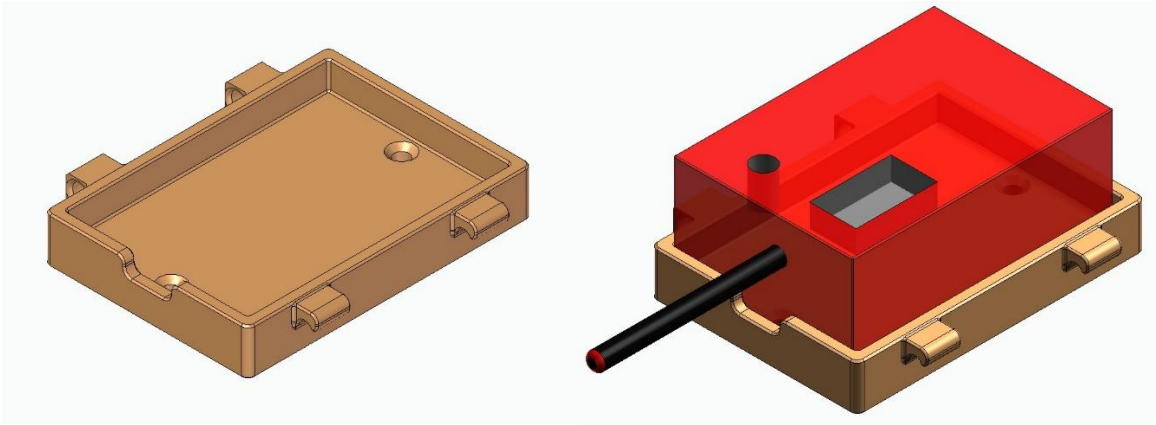
CIVA HMD Installation

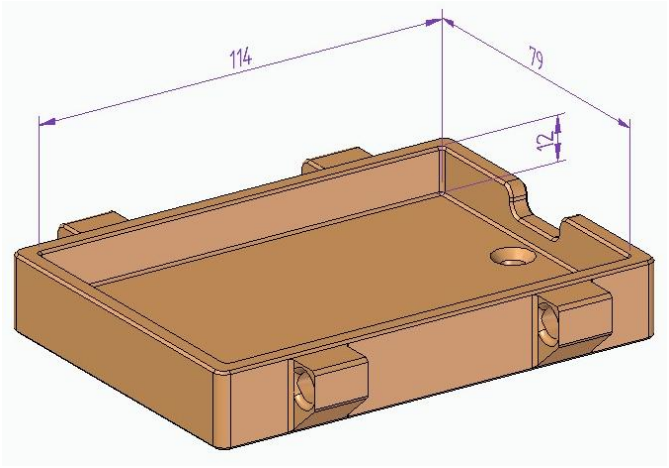
The CIVA HMD is used to monitor the upper and lower height limits of the aerobatic box during competition.

The HMD on board device needs to be securely fixed in the participating planes. The pilots are asked to prepare a respective bracket in their gliders.

The dimensions of the HMD on board device are: Length 112mm x width 77mm x height 45mm



This is an example of a 3D printed plastic bracket. A respective *.stl file is available.

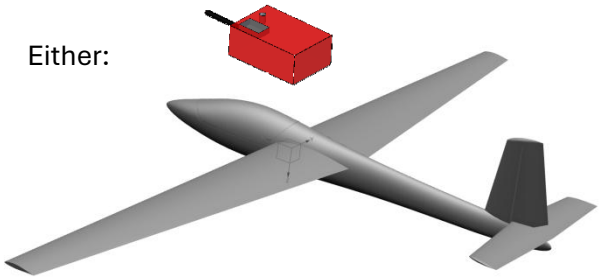


CIVA HMD Installation

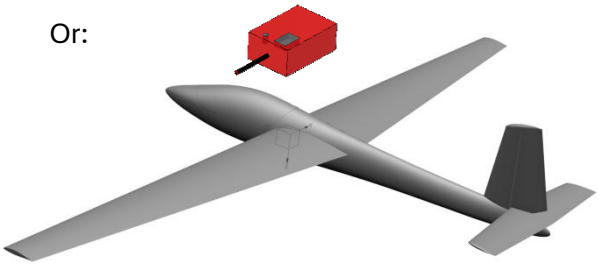
Please consider the following:

1. The bracket should be non-metallic (made from plastic or wood) to prevent shielding of transmission signals. Carbon fiber should also not be used.
2. The HMD on board device should be placed horizontal in the aircraft, along the main axis of the glider. The display must point upwards.:

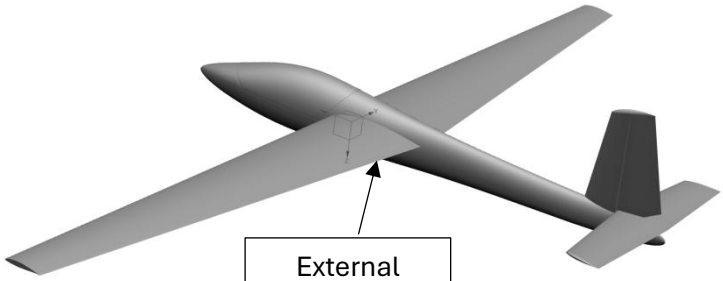
Either:



Or:



3. Gliders with a metal (e.g. Pilatus B4) or carbon fiber skin must be equipped with an external FLARM antenna on the lower side of the fuselage, with a FLARM antenna extension cable with SMA male connector to the installation location of the HMD on board unit.



External Antenna

External Antenna example: GAV-868

4. GPS data is optional but recommended for data logging. Therefore the Logger has to be mounted display up in the aircraft.

The installation of the bracket has to be done by the pilots or their team members and will remain solely in their responsibility as described in CIVA rule C.6.1.5.

CIVA HMD Installation

Example of an installation: