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SoftRF case v5 (for TTGO T-Beam)

by [xkremator](#) Aug 9, 2018



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Summary

This type of enclosure is built around [TTGO T-Beam](#) LoRaWAN GNSS tracker board. SoftRF is an open project (GNU LGPL) for aircraft collision avoidance avionics.

SoftRF is compatible with four most common ISM band aircraft collision avoidance protocols:

- "Air V6" ;
- OGN tracker ;
- PilotAware ;
- FANET+ (Skytraxx).

Website: <http://github.com/lyusupov/SoftRF>

Two variants of this enclosure are available. One is with GoPro mount and another one - without it.

Optional 0.96" OLED front panel is a remix of [this design](#).

Be aware that average 0.96" OLED display does not perform well against sun light.

NOTICE: Battery status LED and antenna cutouts are applicable for revision(s) v06 21080705 (and v05 20180608) of the TTGO T-Beam. **Earlier revisions may not match.**

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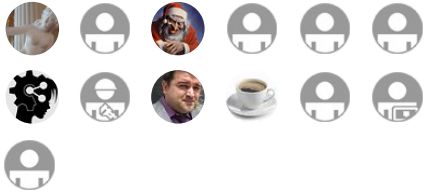


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If you are unable to print the parts by yourself - you may consider to find an appropriate local 3D service provider and place an order with assistance of [3DHubs](#) or [Treatstock](#) portals.

Print Settings

Printer:

Prusa i3

Rafts:

No

Supports:

No

Resolution:

0.2

Infill:

20

Notes:

Use of heat-resistant filament (such as ABS) is recommended. Scale the model 0.3-0.5% up along XY axes in this case to compensate shrinkage of ABS while cooling down.

Post-Printing

At first, insert printed face panel into front rails. Place T-Beam board into the enclosure's main body. Put lid on top of the assembly. Fasten the lid with four 2.5x10 mm screws.

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