Kayouloin 7" - TPU Collection

Kayou Frames

VIEW IN BROWSER

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Summary

The complete official TPU Collection for the Kayouloin 7" by Kayou Frames. Get ready for Mountain Surfing !

Hobby & Makers   >   RC & Robotics

Tags: kayouloin

This page is a **Wiki** regrouping all the necessary informations about **3D Printable TPU Files for the Kayouloin 7"**. All of the .stl files are available in the "Files" tab.

Join us on Discord !

For any specific request/question, **feel free to contact us directly on Kayou Frames Discord Server**

Optimized component placement

The Kayouloin have been **crafted for Long Range and Mountain Surfing**, thus the TPU kits have been **thought around the optimal placement** for **all of your component** ensuring **great signal reception and transmission** with **low RF Noise**, for an overall **clean and safe build**.
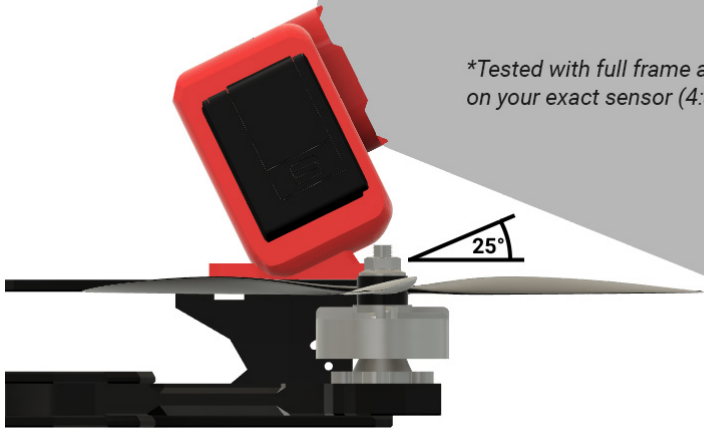
Squished X for the ultimate Freeride experience

Deadcat sucks. Agressive flying style feels much more stable, snappier and responsive with a more balanced geometry.

Kayouloin's Squished X geometry provides the **perfect balance** between **great stability in hardcore mountain wind** while keeping the **Action Cam FOV clear.**

No props in view on the GoPro
Over 25° Tilt

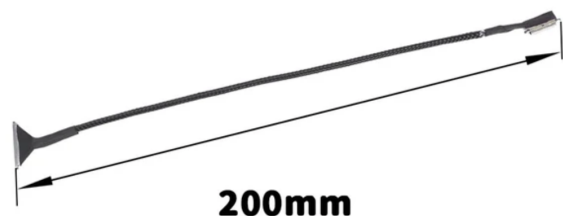*Tested with full frame aspect ratio, minimum tilt might vary depending on your exact sensor (4:3 or 8:7) and wether you use stabilization or not.*

25°

Digital Builds MIPI cable length

The **deck length** being longer than on a traditional 5" builds, most of the **stock Mipi cables sold with digital VTXs will be too short.**

This won't be an issue for analog users as you can simply cut and solder any cable, but **HD pilots will have to get a 200mm Mipi cable** with the Kayouloin 7".

200mm

Model files

HD Camera mounts (GoPro etc)   8 files

kl_universal_mount.stl
Universal GoPro style Mount, not recommended for durability and vibrations, but it's here.

kl_chasing_gopro_mount.stl
Universal GoPro style Mount to be screwed on the bottom plate of the frame for chasing shots

kl_action_2_30deg.stl
DJI Action 2 Mount, TBS ND Filter slot, 30deg Tilt

kl_action_3-4_30deg.stl
DJI Action 3-4 Mount, 30deg Tilt

kl_hero_9-10-11-12_25deg.stl
GoPro Hero 9/10/11/12 Mount, TBS ND Filter Slot, 25deg Tilt

kl_hero_11_mini_25deg.stl
GoPro Hero 11 Mini Mount, 25deg Tilt

kl_hero_8_25deg.stl
GoPro Hero 8 Mount, TBS ND Filter Slot, 25deg Tilt

kl_gp_5-6-7_30deg.stl
GoPro Hero 5/6/7 Mount, 30deg Tilt

📁 Front Bumper-FPV Camera Mount   7 files

kl_19mm_cam_spacer.stl
🗎 Spacer for 19mm Camera (Caddx Ratel, Nebula etc) using the Carbon Cam Plates.

kl_bumper.stl
🗎 Standard Front bumper

kl_bumper_immot.stl
🗎 Standard Front bumper + Horizontal Immortal T mount.

kl_bumper_19mm.stl
🗎 Bumper with 19mm cam brackets. Carbon cam plates can still be mounted with it

kl_bumper_19mm_immot.stl
🗎 19mm cam brackets + Horizontal Immortal T mount. Carbon cam plates can still be mounted with it

kl_bumper_21mm.stl
🗎 Bumper with 21mm cam brackets. Carbon cam plates can still be mounted with it

kl_bumper_dji_o3_cam.stl
🗎 Bumper with DJI O3 Cam brackets + ImmoT antenna, Carbon cam plates can still be mounted with it

📁 Capacitor-RX Mount   4 files

kl_capbuzzer.stl
🗎 Fits Panasonic 1000uf sized capacitors + Vifly Finder 2 sized autonomous buzzer.

kl_doublecapbuzzer.stl

🗋 Fits 2x Panasonic 1000uf sized capacitors + Vifly Finder 2 sized autonomous buzzer.

kl_vertical_immot.stl

🗋 Vertical mount for an Immortal T Antenna, locks in with Cap+Buzzer mounts.

kl_vertical_elrs.stl

🗋 Vertical mount for an ELRS EP1 Style antenna, locks in with Cap+Buzzer mounts.

📂 **Arm Bumper**   2 files

kl_arm_bumper.stl

🗋 Kayouloin Standard Arm bumper

kl_arm_bumper_kf-style.stl

🗋 Kayouflip style alternative arm bumper. Fits way tighter than the standard one
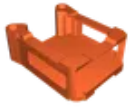

📂 **VTX Mount**   5 files

kl_25-5-r.stl

🗋 Right Mounting Bracket for 25.5 VTX (DJI O3, WS etc)

kl_25-5-l.stl

🗋 Left Mounting Bracket for 25.5 VTX (DJI O3, WS etc)

kl_air_unit_v1.stl
📝 Original DJI Air Unit (v1) mount

kl_rush_tank_solo.stl
📝 Rush Tank Solo mount

kl_foxeer_reaper.stl
📝 Foxeer Reaper mount

📁 **Backpack**   6 files

kl_backpack_mono_220.stl
📝 Mono SMA Pigtail + 220mm sized GPS (BN220, BE220, TBS M8 etc)

kl_backpack_double_220.stl
📝 Dual SMA Pigtail + 220mm sized GPS (BN220, BE220, TBS M8 etc)

kl_backpack_triple_220.stl
📝 Triple SMA Pigtail + 220mm sized GPS (BN220, BE220, TBS M8 etc)

kl_backpack_mono_180.stl
📝 Mono SMA Pigtail + 180mm sized GPS (BN180, BE180 etc)

kl_backpack_double_180.stl
📝 Dual SMA Pigtail + 180mm sized GPS (BN180, BE180 etc)

kl_spoiler.stl

🗔 Max speed increased by 150km/h

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