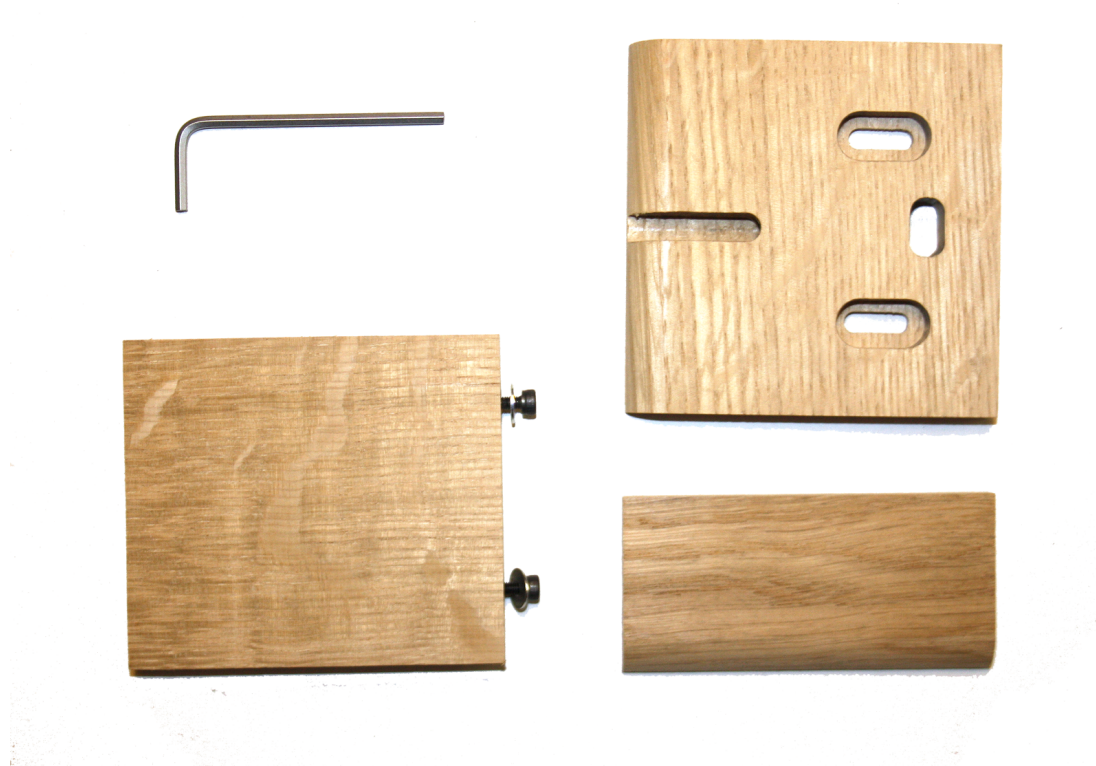


Lambda DIY Set- Dockingstation

DIY Guide V1.1 (EN)

Kai Altstaedt 17.02.16

The Lambda DIY dock kit offers unlimited design possibilities for your own individual dock. Based on the proven and unique mechanism of lambda dock you can realize your ideas. Unlike many other charging stations, a docked smartphone can be still continued to be well use without giving the USB connector a mechanical load, since the rear wall supports the Smartphone.



Scope of supply:

- base plate oak, 8x8cm with mechanics
- backplane oak, 8x7cm with mechanical
- front-foot oak, 8x3,3cm
- Hex wrench 2,5mm
- mounting instructions Lambda dock (to illustrate the function of the mechanism)

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Design Tips & Procedure

The design of the docking station are no limits, we prefer to let commented examples speak for themselves. Nevertheless, a few notes from the experience are given.

Wood is softer than metal!

With the screw mechanism can produce very large forces on the wood. If you vigorously to attract the bolts can rip out both the screwed inserts, as well as breaking wood.
(Everything already happened)

Bending radius and angle

The bending radius of the connection cable can not be arbitrarily small. The distance between the base plate and stand-up area must be sufficiently large. The included front foot is generated a viewing angle of about 70 ° and forces a bend radius that beat but works well with the Most data microUSB cables. Lightning cables are smaller and more flexible and enable smaller bending radii. Best try with a prototype example.

Shortening of the base plate

If the screw mechanism of the base plate should be covered, the base plate may be shortened to a minimum of 5cm depth. A 8x5cm base plate has proven to be output for cast feet.

Note accessibility of screws and cable channel

In designing of the foot is to make sure that the screws for rear panel and connectors remain accessible. Also remember that you have to out perform even the cable.

Weight

The Lambda-mechanics is very easy. If one-handed operation is required, you should think about weights

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Standard-Assembly

To turn your DIY Kit into a ready to use Docking-Station you just have to glue the foot to the base plate.



Put some glue onto the top of the foot and press foot and base firmly together. (With a clamp). Take special care that the sides are at the justified with the base. A proven method is to do this on the corner of a table and to put the clamps from the site.



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Examples

The classic lambda Design! (Not intended to be copied)

- The corners are rounded with a router or a grinding wheel.
- The inclination angle is 70 °
- The back panel is decorated with a milled logo



Hoods / Covers for the rear wall

Due to the variable rear wall can also set a Husse (or cap) on the rear wall

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Saw out rear wall with pattern

With the jigsaw any motif can be cut in the back wall.



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Photo frame

The rear wall can be transformed into a photo frame



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Tripod

With a matching threading-you can make a stand for Tripods



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Rengrave rear wall

With a laser engraver (or alembic) subjects may be engraved into the rear wall



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Round foot

The original model for the concrete base is made of wood and already pretty in itself



Concrete foot

Designs for feet of concrete

