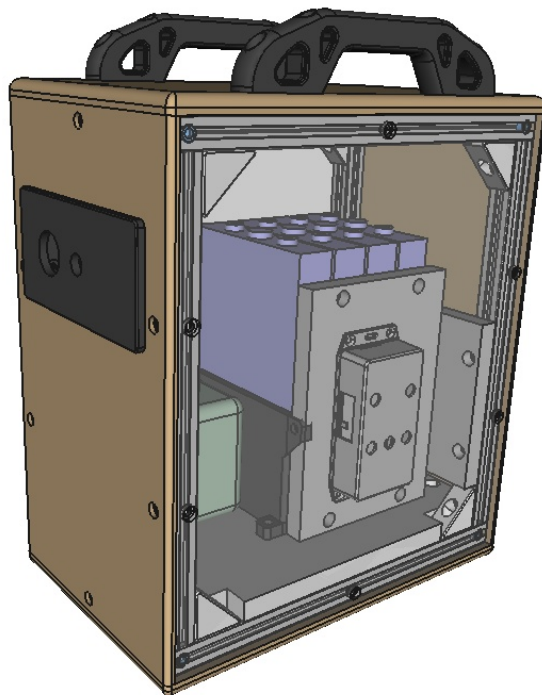# Universal Prototyping Kit

UniProKit Box-Set   UPKlib V. 2.02

Boxframe V.2 mobile Assembly Guide

by OpenEcoLab Rahden, 08/2018

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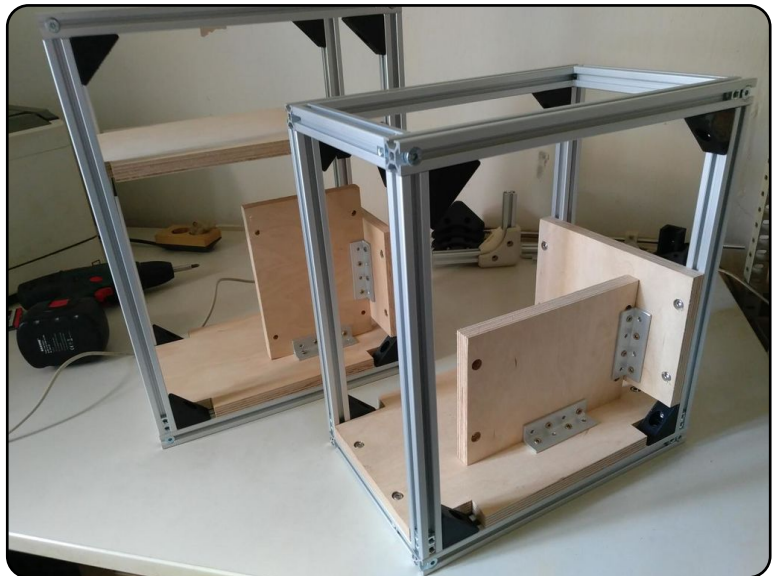# Assembly Guide for the UniProKit Box-Set Boxframe V.2 mobile

This guide gives a graphical step by step instructional on how to assemble the Box-Kit . Normally one would assume that its quite easy and you can do this intuitively. This is true in principle.

But in practice you may find it a bit tricky, to pre-place the needed nutplates into the right slot for later use, eg. if you have finished the naked frame and then want to add the cover-plates or other interieur which assumes that there is already an appropriate nutplate in place, or better said in one certain slot of the extrusion-profile.

Depending on the stage of the assembly process it can either be still possible to move a nutplate into a slot, or not, Especially as more as you build up the frame some slots may be blocked eg. by the cornerscrews or by other beams. In this case there should already be one or more nutplates enclosed into the slot.

So its the best, to follow a certain choreography, movin some nuts into slots, then assemble a beam which encloses them.

Then again move some nuts into just these slots, which will be enclosed in the next assembly-step.

The guide aims to keep you an overview, which nuts to insert into which slot at a given step and then shows the next assembly step, to help you avoid forgetting some nutplates and having to disassemble later certain corners for moving the forgoten nutplates into it.

It's a bit like solving a rubiks-cube, as long as every step is applied at the right time and the right order, solving the puzzle is quick and easy.
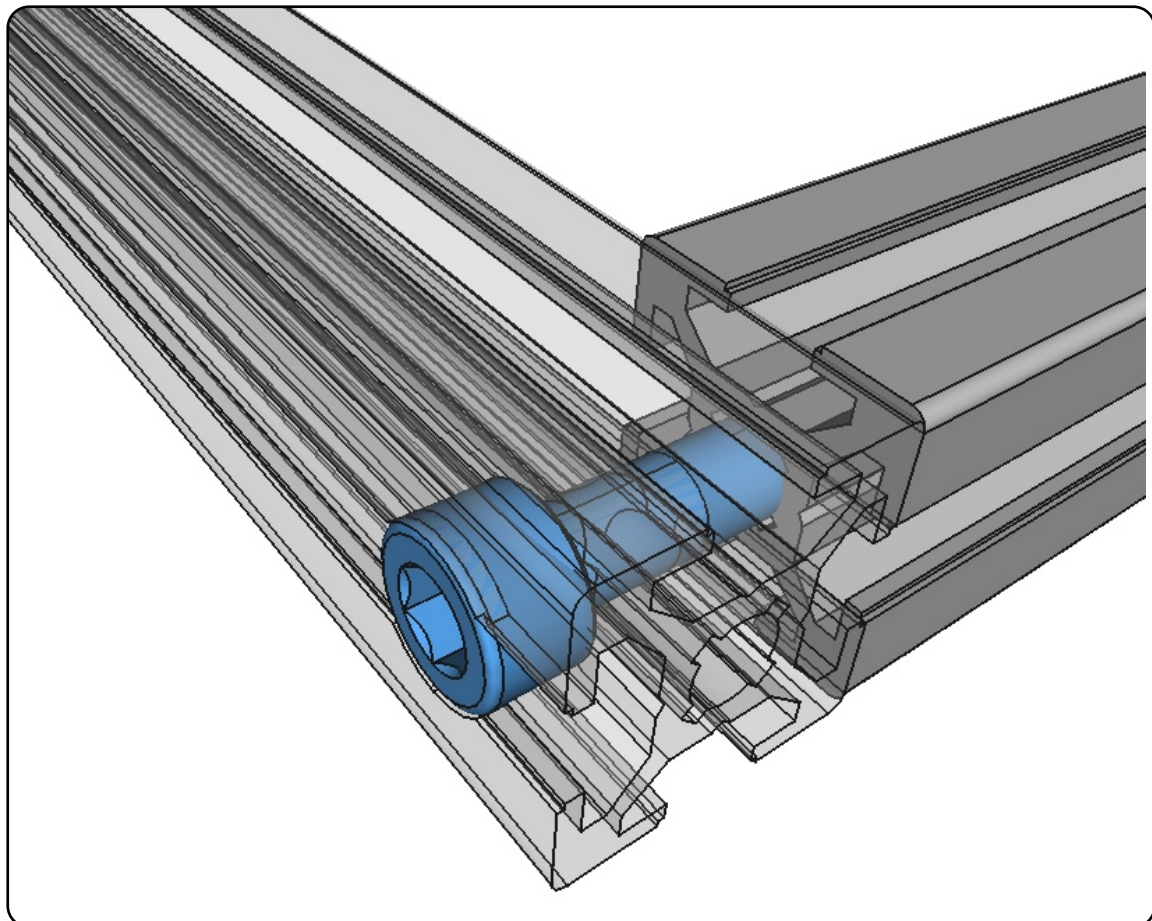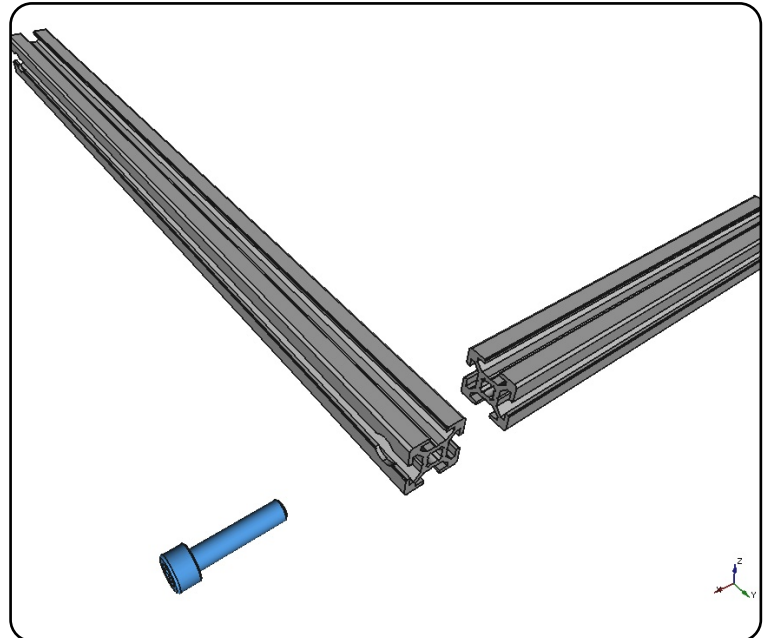
Furthermore we start with building the upper frame, the lower frame and the upright pillars as sub-assembly-groups, before connecting all totgether to a threedimensional frame-structure.

The upper frame

Needed Parts:

2 x Tslot32con
2 x Tslot16
4 x M6x25cyl
6 x M6nutplate

Step 1: Make a corner junction
between aTslot32con and Tslot16 by
a M6x25cyl screw.

The upper frame

Step 2: Insert two m6nutplates into the upper
and the outer slot of the tslot16-beam.