

UCS-1 Ultimate Calibration Suite

Klein Instruments Colorimeter Color Matching with Colourspace and JETI specbos 2501-HiRes



Device Setup

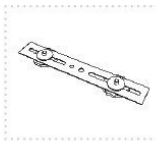


QUICK START GUIDE

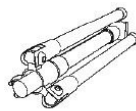
Ultimate Calibration Suite

1 | UNBOX AND CHECK CONTENTS

Included Accessories



A. Mounting Bracket



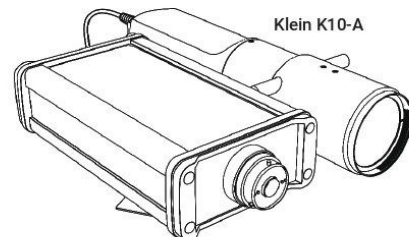
B. Tripod



C. USB Cable

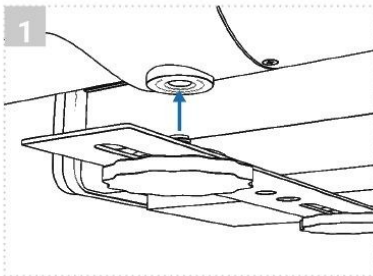


D. USB Drive

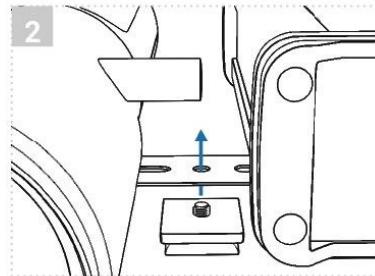


JETI Specbos 2501

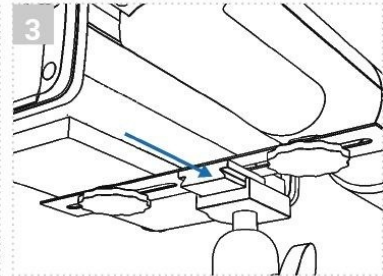
2 | CONNECT



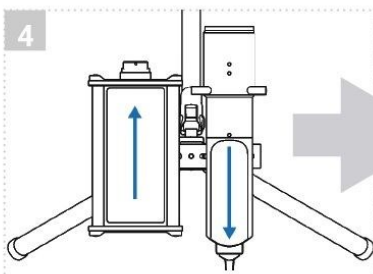
Attach Klein and Jeti units to the mounting bracket (A).



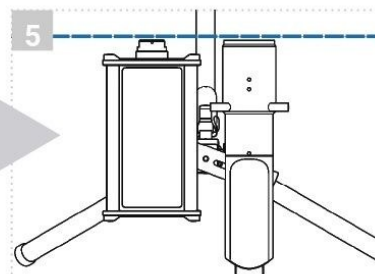
Remove baseplate from tripod (B) and attach to center of mounting bracket (C).



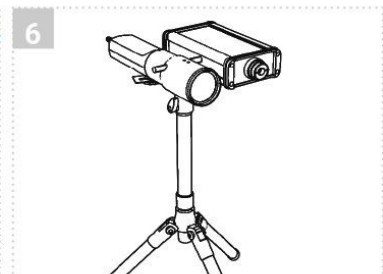
Secure baseplate onto the tripod's quick release mount.



Offset the position of the units so that their front ends are parallel.



Once the front ends are at roughly the same point, tighten the knobs.



Your devices are now ready to take measurements.

Note: It may be necessary to loosen the knobs on the mounting bracket.

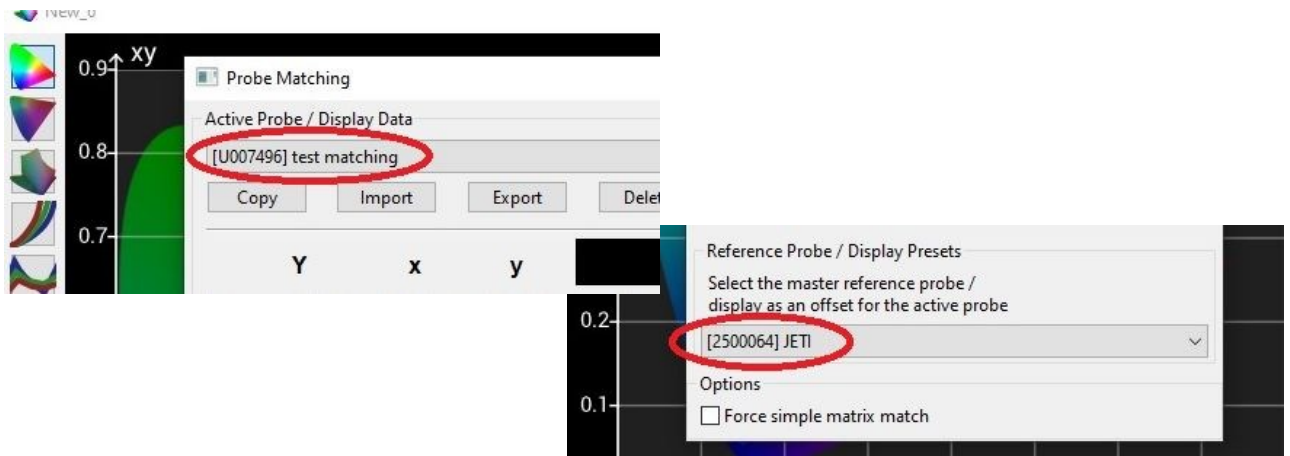


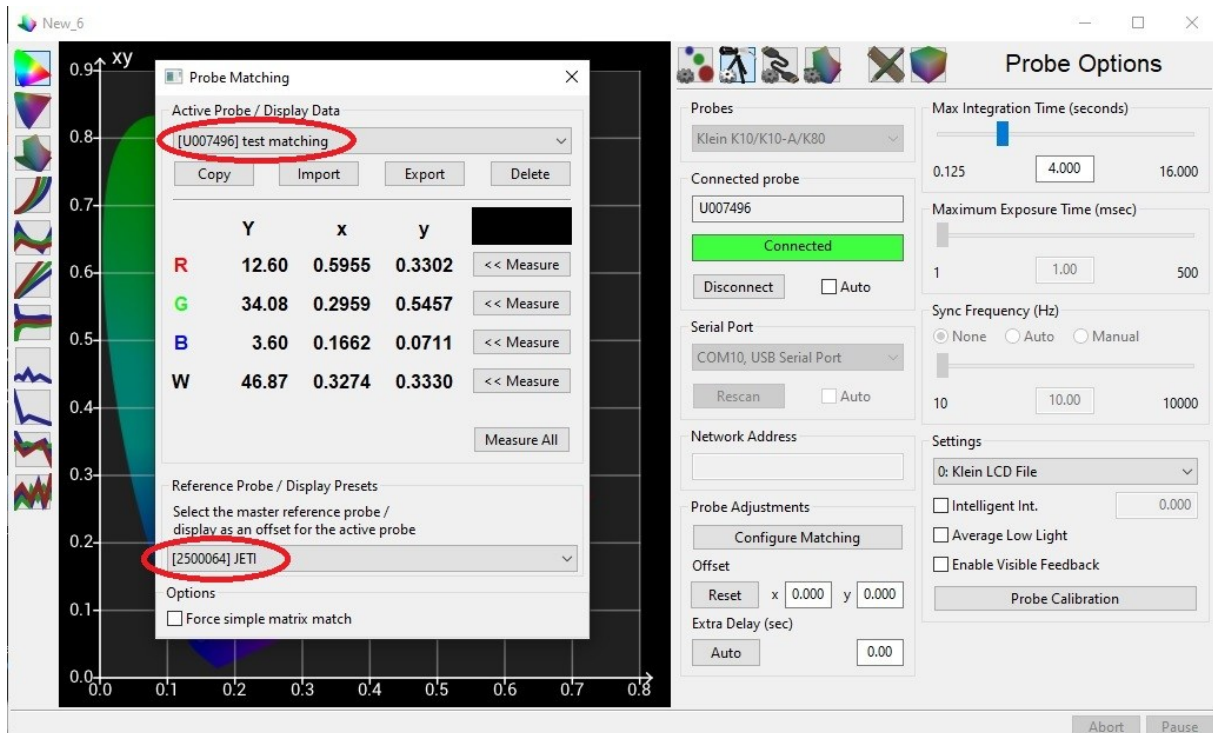
1. Use the laser pointer of Klein colorimeter and Jeti specbos to ensure that both devices measure the display and preferably even the same spot.
2. Especially the angle of the Klein Colorimeter is large so that it might quickly measure past the display if the distance increases.

Colourspace Workflow

Profiling Steps

1. Attach the first (Klein colourimeter) probe, selecting standard probe parameters as required from **Probe Options**
(A None/Bypass/Default pre-set within the colourimeter should be used, not a display specific matrix pre-set)





2. Select the **Probe Matching** option, and press **New**
3. Enter a unique descriptive name and press **OK**
(Use a name that includes the display and probe details)
4. Place the probe on the patch window and press **Measure All**
(The patch window will cycle R, G, B and W patches, and save the probe/display measurement data)
5. Change the probe to the second (Jetti specbos 2501 spectrometer) probe, and repeat the process
(Spectro's do not use matrix pre-sets)

The order the probes are measured in is not important, and you can measure the Jetti specbos 2501 spectrometer first, with the Klein colourimeter second.

6. If using a separate patch window, not controlled via ColourSpace, use the RGBW << **Measure** buttons in-turn
(Each patch colour should be based on a value of 242 8-bit for Full Range (equivalent values for alternative bit depths, and different ranges), to match the ColourSpace generated patches, although this is not critical so long as the same exact patch values are used for both probes)
7. With the probe placed on a patch of the correct matching colour press the relevant << **Measure** button to take a measurement
8. Alternatively, manually enter the Yxy values

Regardless of the procedure used to take the probe measurements, the profile files are used in the same way.

9. Select the Jeti specbos 2501 spectrometer **Reference Probe/Display Preset** file from the **Probe Matching** lower drop-down menu
10. Select the Klein colourimeter **Active Probe/Display Data** file from the upper drop-down menu
11. The colourimeter measurements can now be corrected to match the spectrometer using the **Probe Matching Active** tick box with **Graph Options, Processing**

