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User Guide for CRCS-UF-TTB Chinrest-Camera Support

Compact Chinrest/Camera-Support (CRCS-UF-TTB)

Tabletop Focusing Chinrest (CRCS-UF-TTB)

This precision chinrest features:

- Precision focusing stage
- Tilt-Swivel camera positioner
- Chin height adjustment
- Sturdy quick-release camera mount
- Sturdy bamboo hardwood platform
- Small footprint (about 11.5”x13.5”)
- Non-slip, non-mar rubber feet
- Solid oak camera support pillars
- Easily disassembles to 14”x12”x9”
- Adjustable camera mounting
- Balanced for camera center of gravity
- Camera mount: 11-12” nominal (from iris)
- Eye height: 15” above counter top
- Upper component can easily be mounted on any tripod

The CRCS-UF-TTB is one of the top-recommended models of chinrest-camera support.

Ideal for the busy professional clinic, this chinrest facilitates efficient image acquisition. Live-View for on-screen focusing (rather than peering through the viewfinder) and use of camera control software is facilitated by the use of a chinrest. This chinrest can be used with any iris camera.

The design positions the camera so the center of gravity is typically directly over the camera support pillar for maximum stability. An optional calibration bezel is available for the focusing stage.

This unit may be disassembled by the user for easier transport, and fits in a 14”x12”x9” space.

How to Set Up the Chinrest/Camera-Support

The Chinrest is normally shipped with the following parts:

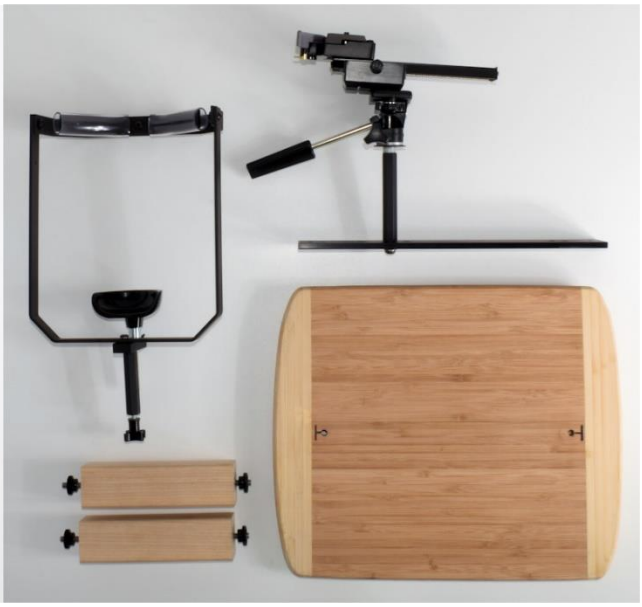
1. Hardwood tabletop base
2. Chinrest frame (U-Frame style)
3. Camera-Chinrest support bar with camera positioner
4. Hardwood camera support pillars

Plus this Setup Guide.

Note: some components may vary somewhat from those depicted in this setup guide.

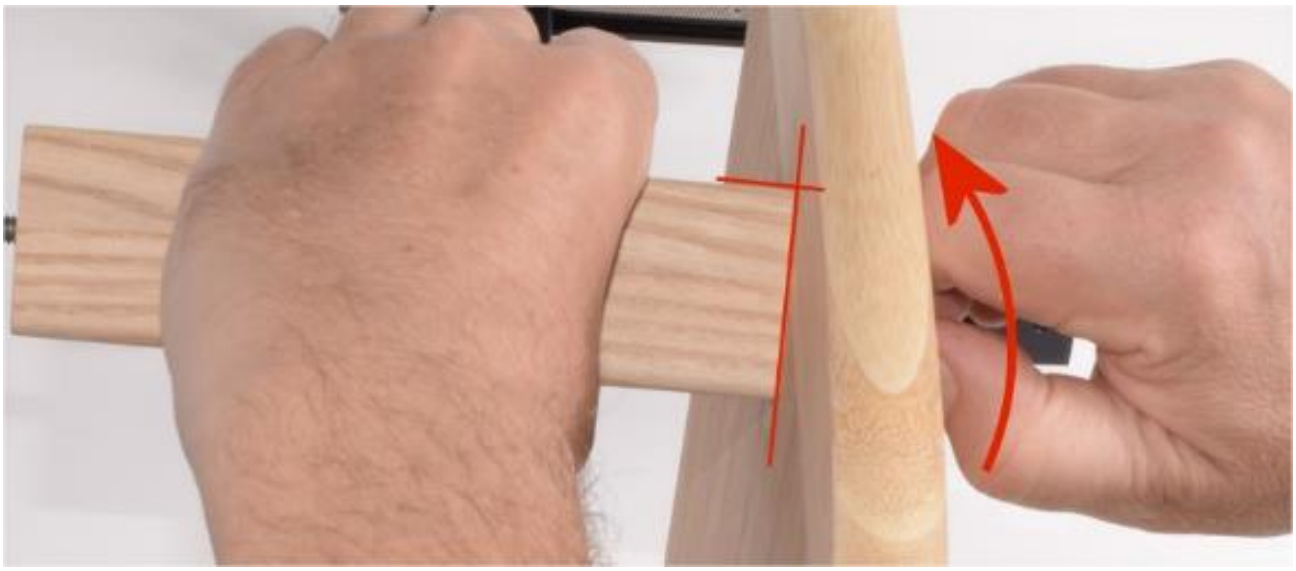
Chinrest Assembly

Step 1: Parts:



Step 2: Mount the Twin Pillars – the longer bolt goes <u>down</u> through the base, with the end marked “Top” at the top. The letter T should align with the T on the base:

When tightening the lower thumbnuts, it is best to tighten them while holding the support pillar at 45 degrees before the final position:

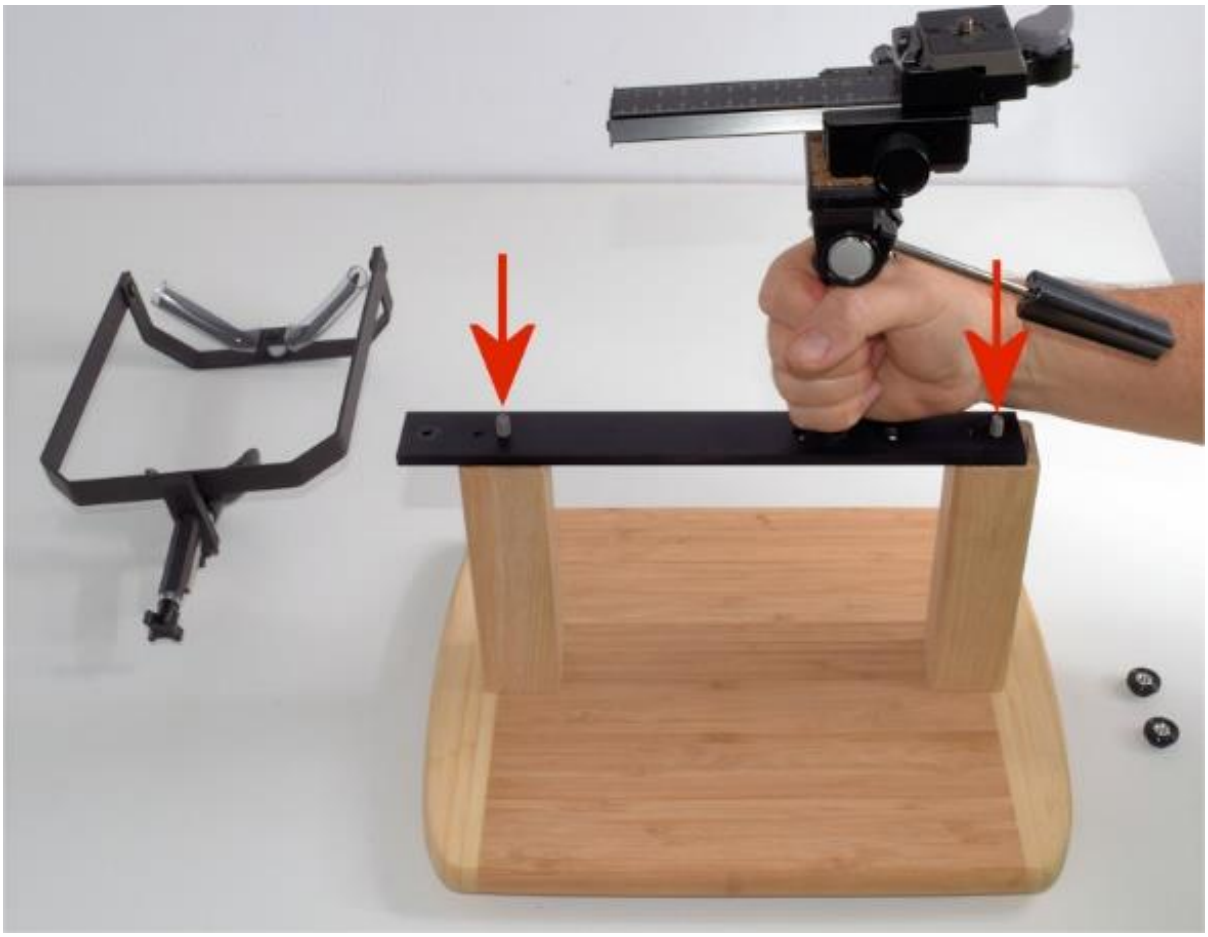


After the thumbnut is as tight as possible, then hold it and turn the pillar the rest of the way into position:

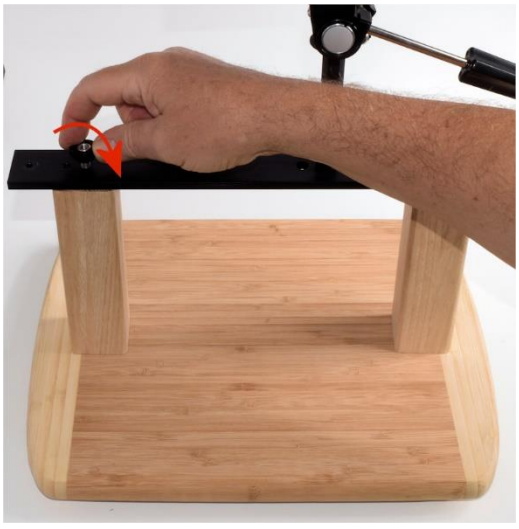
This step will ensure the pillar is as tight as possible.

Repeat the process for the other support pillar.

Step 3: attach the horizontal support bar to the two ¼-inch upper bolts. There are only two unthreaded holes for this purpose (9.5” apart):



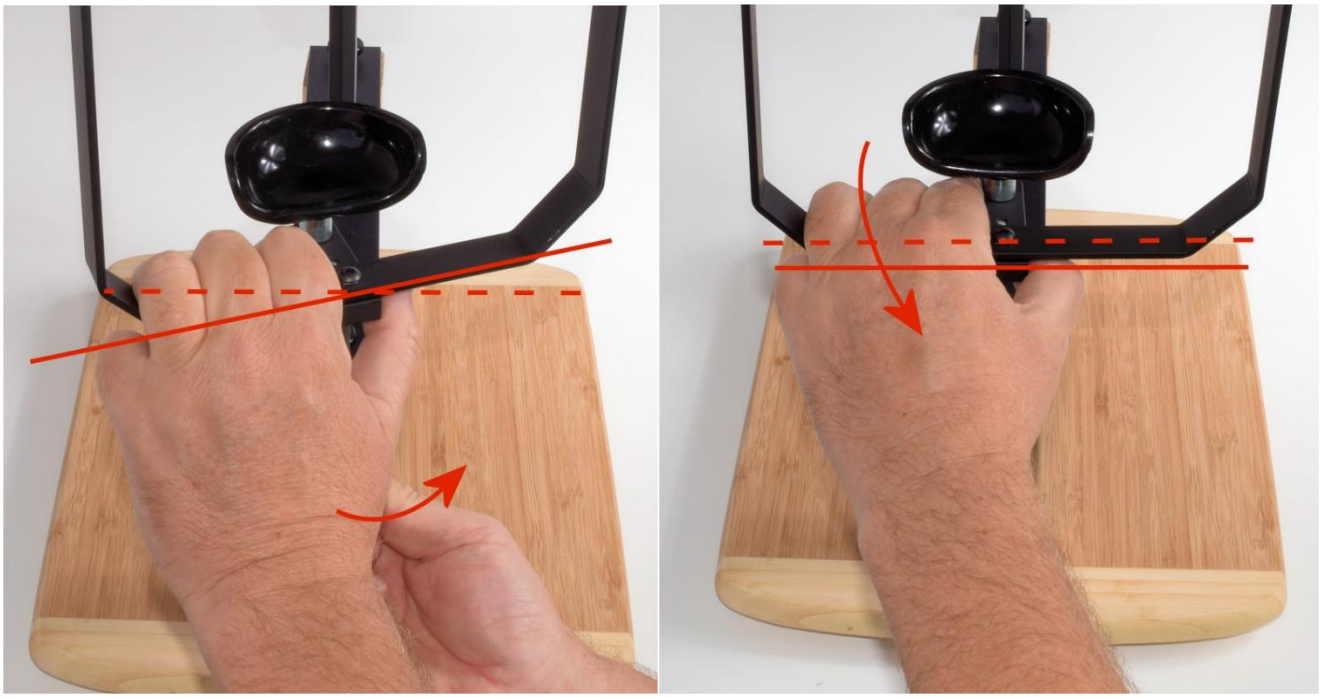
Tighten the two upper support thumbnuts:



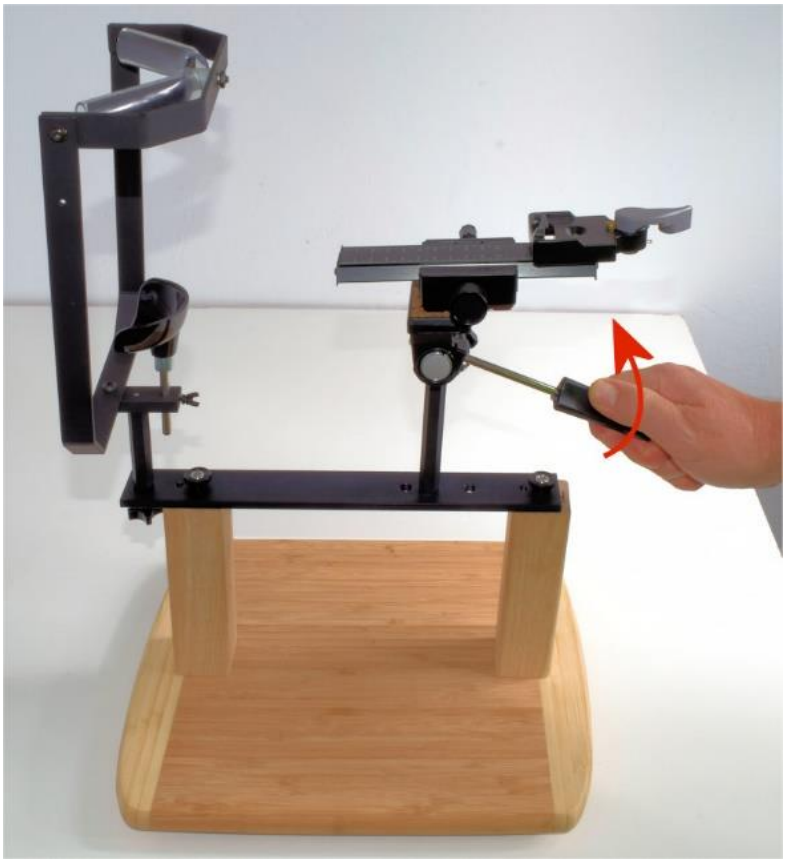
Step 3: Attach the chinrest-forehead rest to the camera support bar. First remove the 10-32 threaded clamping knob from the chinrest component and thread it through the front (unthreaded) mounting hole:

Next place the chinrest component over the threaded end and turn the knob until the thread is engaged:

As with the support pillars it is best to tighten the chinrest component by holding the chinrest at a slight angle while getting the knob as tight as possible, then make the attachment even tighter by rotating the chinrest all the way into a position parallel to the front edge of the tabletop base:



Step 4: Tighten the camera support positioner so it is level (horizontal):



Step 5: Set the chincup height to the middle of its range by loosening the wingnut and then tightening it at the mid-position:

Step 6: Mount the camera by first engaging the front edge of the quick-release clip, then pull the camera down into a horizontal position:

After mounting the camera into the quick-release, it is important to make the release mechanism extra tight by closing it firmly:

When using a chinrest, it is best to set the camera to Fixed-Focus (not Auto-Focus). For Fixed Focus: *Set the lens setting to **M** (to the right, toward the lens mount). Set the lens to minimum focus and **always** keep it on **minimum focus** (closest focus is 0.286 m, 1:1).* **Focus is accomplished by moving the whole camera-lens.**

Setting for **Manual Focus**

Setting for **AutoFocus**

Get a sharply focused image by turning the Focus Knob:

The smaller knob on the opposite side of the focus track is a tension adjustment – make that knob moderately snug but not too tight. The lower knob below it is the tension adjustment for the swiveling direction, and the tension adjustment for the tilt is made by twisting the control handle – these should also be snug but not too tight.

You chinrest is now ready to use.

If you have purchased the chinrest with a camera, the Quick-Release Mounting plate is already attached to the camera.

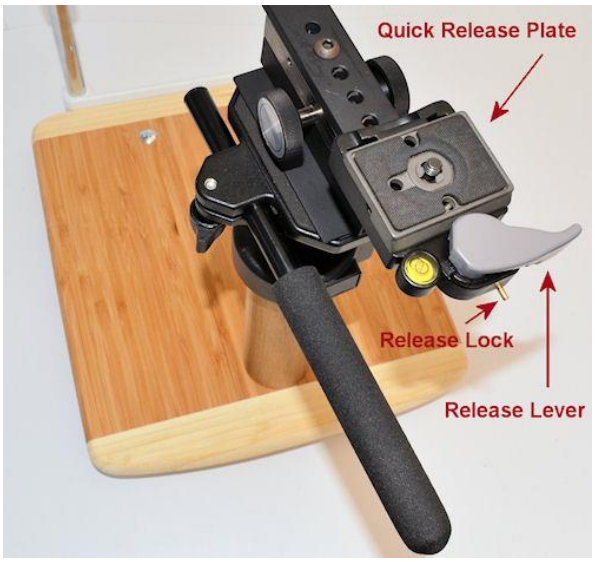
If you have purchased the chinrest separately from a camera, you will need to attach the Quick-Release Mounting plate to the camera. See the next section for how to do this.

How to Attach the Quick-Release Plate to the Camera

If you have purchased the chinrest separately from a camera, you will need to attach the Quick-Release Mounting plate to the camera.

Step 1: Attach quick-release mounting plate to camera mount hole (1/4-20, bottom center of camera body).
***Note:** if the chinrest is part of a camera order, **the camera will already have the quick-release plate attached**.*

First, review the quick-release unit:



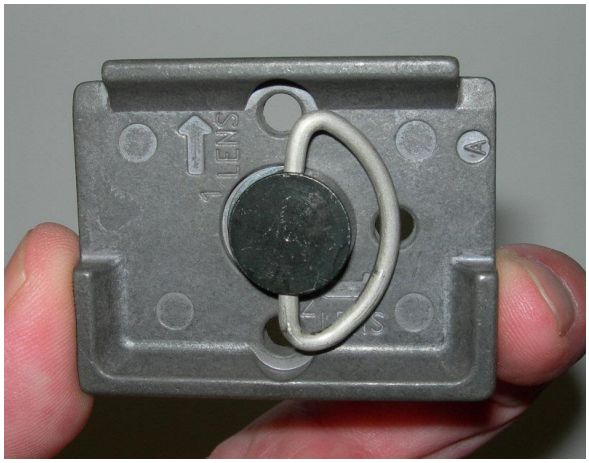
CRCS-FH4

CRCS-TTB-FF

Pull the release lever out (towards rear) and lift out the quick release plate:

Notice that one edge of the removable quick-release part has a flange – this fits into the front or forward side of the quick-release base. This edge needs to be pointing towards the lens (front end of camera):

Turn over this part and you will see a small arrow pointing towards the flange that has the word LENS imprinted (disregard the other arrow). This edge goes towards the front of the camera (towards the lens):



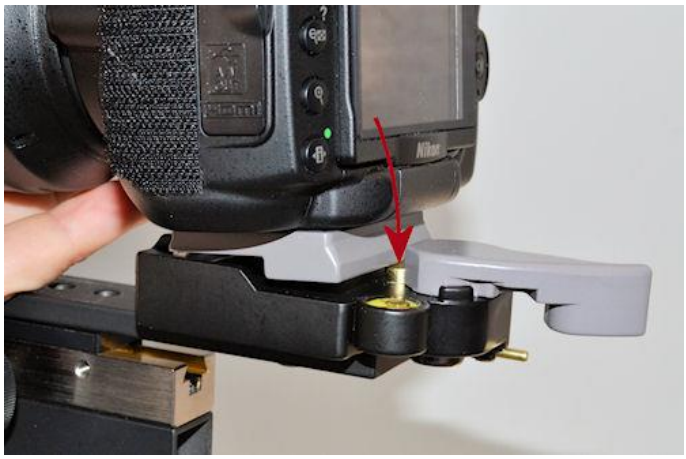
Turn over the camera body and observe the mounting hole in the center:

The removable part of the quick-release is placed over the threaded mounting hole (shown in above photo) and the mounting bold is tightened (clockwise) using the fold-up handle:

Make the part parallel to the lines on the bottom of the camera for best alignment. When the part is attached snugly and the handle is folded down, it should look like this:

With the quick-release plate firmly attached, hold the camera with your right hand and tilt it downwards to engage the front flange of the plate with the receiving (fixed) part of the quick release:

When the rear edge of the quick-release plate is moved into place, it will press down a small brass button that will release the lever:



The lever will snap partway shut. Press it closed tightly to complete the camera mounting:

The small brass lever is a release lock: when it is rotated to the right, the lever will not open. To open the lever, be sure the release lock is pointing straight towards the rear. The release lock may safely be left in the unlocked position.