

How To Calibrate the Ditto System

Calibration is the process to remove distortion or skew for an accurate projection. You need to calibrate the Ditto system every time the product has been moved or taken down, if the beam is accidentally knocked out of place, or a different mobile device is used for the Ditto app.

Note! Make sure that the cutting mat is clean and free from markings, target stickers and loose items.

1. Have your room dimly lit.
2. Confirm that the Ditto system is connected to Wi-Fi.
3. Click on the "Calibrate" button in the workspace. 🔄
4. Select "Continue".

Note! Make sure to allow camera access within the app.

5. Follow the instructions in the app to confirm accurate setup and projector height by aligning the red rectangle on top of the white outline.
6. Stand on the opposite side of the projector and follow the instructions in the app to capture a photo when prompted. Make sure to include all 4 corners of the cutting mat.

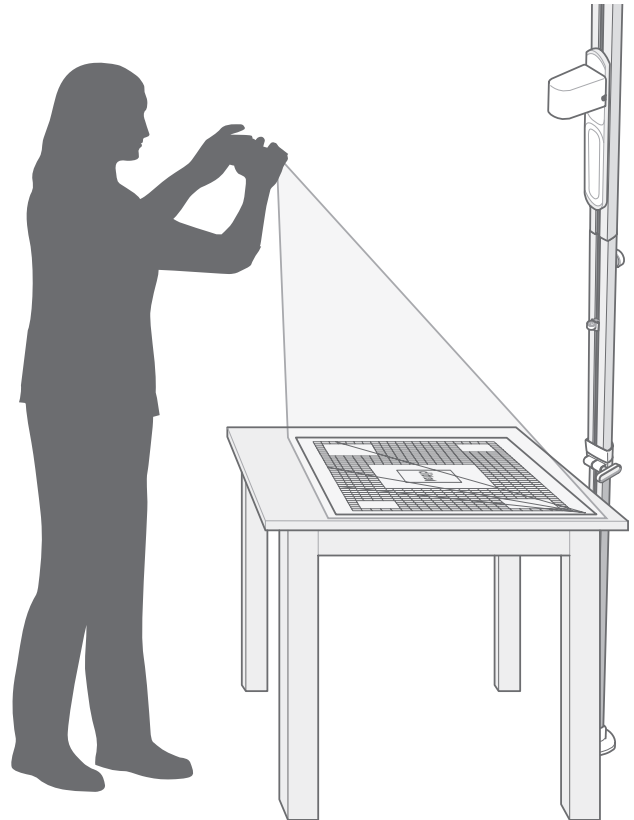
⚠ Warning! Always stand on the floor when you take a picture of the cutting mat. There is a risk of falling if you stand on a chair, a table or similar. Allow enough room to stand back away from table or take the photo from a high angle.

7. Select "Yes" when asked if the photograph is ready to submit. The image usually takes a few seconds to process.
8. The Ditto app will indicate if calibration is successful or not.

Note! If the calibration fails, select one of the following options:

- *Tutorial* – To view a video tutorial of the calibration process.
- *Retry* – Refer to steps 5-7 in "To Calibrate the Ditto System," or see "Troubleshooting" on next page..
- *Skip calibration* – If you have already calibrated the system and have not moved the beam.

Calibration Troubleshooting on next page.



Troubleshooting

General problem	Solution	General problem	Solution
Calibration			
You cannot capture an accurate photo for the calibration.	Setup the mat on the short end of a long table or consider positioning the cutting mat on the floor.		Make sure that the full cutting mat, with the calibration projection over top, is captured in the photograph before submitting.
The work environment is too bright.	Have your room dimly lit and close window blinds or curtains. Make sure that the overhead lighting is turned off. Tip: If the room lighting cannot be adjusted due to window brightness, consider working later in the day.		Make sure that the cutting mat fills the majority of the photograph space. Make sure that the photograph is taken from a top view. Stand on the opposite side of the projector, close to the center of the cutting mat and take a photograph from a high angle. Preferably hold the mobile device at eye level.
The work environment is creating a bright spot on the cutting mat.	Turn off overhead lights. Tip: Turns lights off for calibration success and turn lights back on, if needed, during pattern piece projection and cutting.	The calibration photo was taken incorrectly.	⚠ Warning! Always stay on the floor when you take a picture of the cutting mat. There is a risk of falling if you stand on a chair, a table or similar.
Shadows are cast over top of the cutting mat.	Turn off overhead lights or move anything in the work environment if casting shadows onto cutting mat.		Make sure to setup the system with enough room on the side of the table opposite the beam. This enables you to stand back away from table, to capture a correct photograph for the calibration of the system.
Improper setup.	The cutting mat must be positioned accurately with the logo legible from the opposite side of the beam. The mat must be fully on the table and free of objects or markings. Confirm that the red setup image is accurately placed overtop of the white region on the cutting mat. The projector must be accurately setup to enable optimized factory focus setting. If calibration repeatedly fails, and setup is confirmed to be accurate, and the projection still seems blurry, then the system could be faulty. Please contact customer service.		Always capture the photo in the landscape orientation. If the projected calibration image is significantly blurred, confirm that the device is held still during photo capture. Confirm the device lens is clean and free of smudges.
If calibration repeatedly fails, please contact customer service.			