

# Quickstarts



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# Set up Femto Bolt

## Set up Femto Bolt

This quickstart provides guidance on how to set up your Femto Bolt, including how to test 3D camera stream visualization and use associated capabilities.

**System Requirements** Review the [Hardware Specifications](#) to verify your host computer configuration meets all minimum requirements for Femto Bolt.

**Set up Hardware Note:** Make sure to remove the protective film from the camera prior to use.

Insert the power connector into the power jack on the back of the device. Connect the USB power adapter to the other end of the cable, then plug the adapter into a power outlet. Connect one end of the USB data cable to the device and the other end to a USB 3.0 port on your PC. Note: For best results, connect cables directly to the device and computer. Avoid extenders or additional adapters in connections.

Verify the power indicator LED (next to the USB cable) is solid white. It takes a few seconds for the device to power on. The device is ready for use when the streaming LED indicator on the front goes out.

For details on the power indicator LED, see [Hardware Specifications](#).

**Download the SDK** Go to the [Orbbec SDK and K4A Wrapper download link](#). Install the SDK on your PC.

**Update Firmware** The latest firmware version is required for the SDK to function properly. To check and update the firmware version, follow the steps in [Update Femto Bolt Firmware](#).

**Verify Device Streams Data** Launch the K4A Viewer Tool, either from the command line or by double clicking. In the Femto Bolt Viewer, select “Open Device” > “Start”. Verify the tool visualizes each sensor stream: Depth camera Color camera Infrared camera IMU

Femto Bolt setup is now complete. You can now start developing applications.

If you encounter any issues, check out [Femto Bolt Troubleshooting](#).

**Next Steps** With your Femto Bolt up and running, you can also learn how to: [Record data to file](#)

# Record data to file

## Quickstart: Femto Bolt Data Recording

This quickstart provides information on how to use the K4A recorder tool to record the data streams emitted from the Sensor SDK to a file.

Prerequisites Femto Bolt is connected to the host computer and powered on properly. You have completed Set up Femto Bolt.

Create Recording Open a command prompt, providing the path to k4arecorder.exe, located in the k4arecorder tool install location. For example:

```
F:\OrbbecSDK_K4A_Wrapper_v1.8.1_20231011_win_x64_release\bin\k4arecorder.exe
```

Record for 5 seconds: `k4arecorder.exe -l 5 output.mkv`

By default, the recorder captures content with NFOV unbinned depth mode, 1080p RGB @ 30 fps (including IMU data). See K4A Recorder for Femto Bolt , a full overview and tips on recording options.

Play Recording You can play back the recording using the K4A Viewer tool.

Launch k4aviewer.exe Expand the “Open Recording” tab and open your recording.

Next Steps You now know how to record sensor streams to file, next you can generate your first application.

Let me know if you need any clarification or have feedback on the translation!