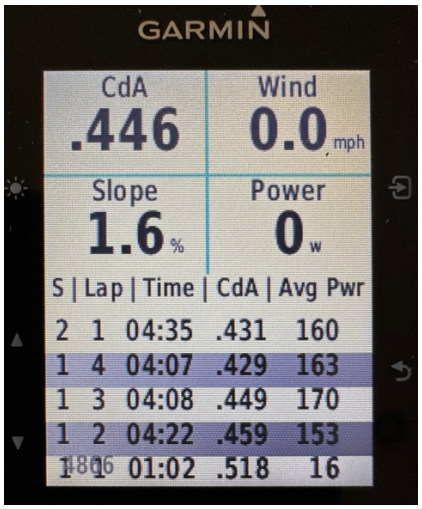
# Installing and using the Velocomp Connect IQ app with AeroPod® and PowerPod®

## February 2026



**Introduction**

AeroPod® transmits live CdA, Wind speed, hill slope, and power data by ANT+. PowerPod® transmits live wind speed, hill slope and power data by ANT+.

The Velocomp ConnectIQ app installs on compatible Garmin ConnectIQ bike computers, and reads and displays data from AeroPod and PowerPod devices.

NEW: The Velocomp ConnectIQ app automatically guides users through the calibration process of their PowerPod/AeroPod, with on-screen instructions.

After calibration, when used with an AeroPod set to profile 3, the Velocomp Connect IQ app displays AeroPod "live" power, CdA, wind speed and slope data.

After calibration, when used with an AeroPod set to profile 4, live data is displayed, and additionally, whenever lap button is touched, the app displays stats from each completed aero test: Test Sequence, test number, lap time, lap CdA, and lap average power.

After calibration, when used with a PowerPod, the Velocomp Connect IQ app displays PowerPod slope, wind speed and power data.

These instructions tell you how to set up and use Velocomp to display these special data fields on your Garmin, and how to use an AeroPod **set to PROFILE 4** for precision CdA measurements.

For information regarding attaching AeroPod/PowerPod to your bike, and pairing AeroPod/PowerPod to your ANT+ sensors, please consult the **Installation Instructions**, included with your AeroPod or PowerPod.

**Step 1. Install "Garmin Connect" app on your smartphone**

1. Search for the Garmin Connect app in the Apple/Google app store, and install it according to instructions

2. If requested sign-in to your Garmin account in order to use the app.

**Step 2. Use the Garmin Connect app to download and install the Velocomp Data Field**

1. Turn on your Garmin and place it close to your smartphone
2. Launch the Garmin Connect app, touch "More" in the bottom right corner of the screen
3. Touch "ConnectIQ Store"
4. Touch "Data Fields" at the top of the screen
5. Type "Velocomp" into the "Search Data Fields" search bar at the top of the screen
6. Touch the Install button

**Step 3: Set up Velocomp Data Field screen on your Garmin**

1. Touch "Connect" at the top left of the Garmin Connect app to return to the main screen
2. Touch "More" at the bottom right of the main screen
3. Touch "Garmin Devices"
4. You may find your connected Garmin device. If so, touch it to continue. If not, touch the "Add Device" at the bottom of the screen.
5. You will see your device shown at the top of the next screen. Touch "Activity Profiles"
6. You will see your active profiles. Touch the profile where you want to add the Velocomp Data Field
7. Touch "Data Screens" on the next page
8. On the next page you may either add a new data screen, or use one of your pre-set screens. If you add a new data screen, select "One Field" when prompted.
9. Touch "Data Fields" on the Edit Screen menu. Scroll down to "Connect IQ". Touch "Connect IQ"
10. You will see "Velocomp" off. Touch "Velocomp". The screen will go back and you will see "Field 1 Velocomp", indicating that you have installed the Velocomp data field into your selected activity profile

The Velocomp Data Field installation process is now complete.

**USING THE VELOCOMP APP FOR CALIBRATION GUIDANCE**

**BEFORE PERFORMING A CAL RIDE, USE THE VELOCOMP AERO APP FOR MAC/PC, OR VELOCOMP WIRELESS APP FOR IOS/ANDROID, TO ENTER YOUR BIKE PARAMETERS (WEIGHT, TIRE CIRCUMFERENCE, TIRE TYPE).**

The Velocomp app will automatically detect when it is communicating with an uncalibrated PowerPod or AeroPod.

When an uncalibrated device is detected, messages will appear automatically on your Garmin screen, telling the user what calibration step to perform next, and when to advance to the next step

1) Ride to your Cal ride start location
2) At starting point, click the AeroPod/PowerPod button to start calibration
3) At the 50% mark, slow down and turn around
4) Ride back to the start point

The app makes it possible to calibrate your AP/PP, without needing to see or remember the meaning of the status light on your device.

**USING VELOCOMP APP WITH YOUR AEROPOD FOR CDA MEASUREMENT**

**→ Skip to page 8 if you are using the Velocomp app with PowerPod**

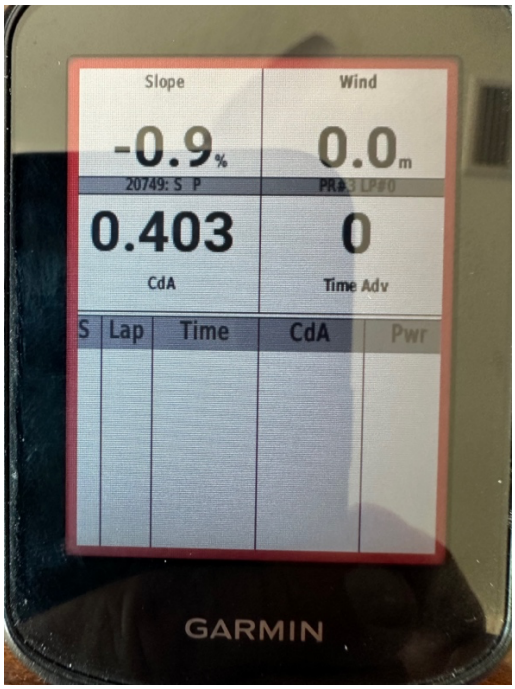
AeroPod uses two separate profiles for CdA measurement:

- Profile 4: CdA Testing on closed loop courses
- Profile 3: Live CdA reporting while training/racing

**The Velocomp app works both with profiles 4 and 3. Velocomp adds features that make it much easier to do precision CdA measurement in profile 4.**

**Starting up the app**

1. Spin the sensors on your bike to awaken them (speed, DFPM, and optional cadence)
2. Awaken your AeroPod by clicking its button. AeroPod light will flash green while finding its sensors, then go solid green, then turn off, once sensors are found.
3. Click the “start” button on your Garmin to start the app.
4. When your Garmin starts receiving AeroPod data, the screen will show CdA/Wind/Slope/Power values in the top field, and the sensor ID of your AeroPod in the bottom left corner (the values you see on your screen will be different from the values shown in this image):

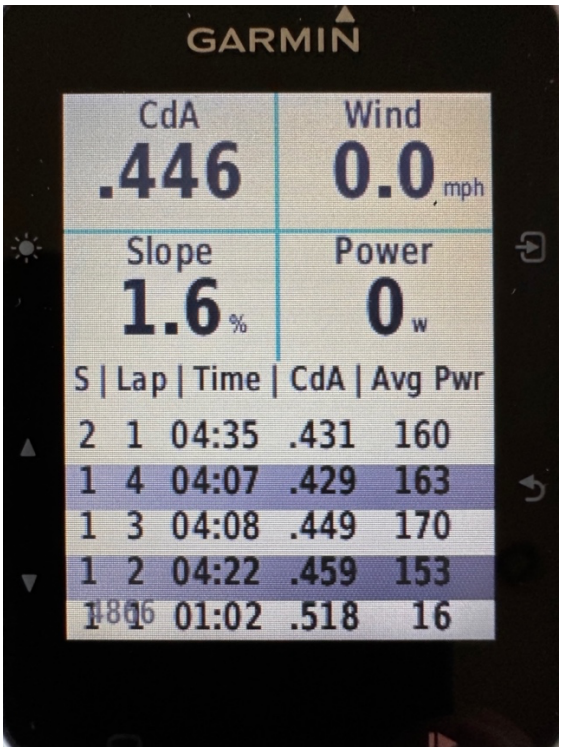



Each time the Garmin's lap button is clicked, below the live stats display column headings will be values determined during the just-completed lap. Please see "AeroPod Profile 4 testing" for details.

**Lap Stats**

Each time the Garmin's lap button is clicked, stats from the just-completed lap will be shown beneath the column headings of the app screen. THESE STATS ARE OF PARTICULAR IMPORTANCE WHEN DOING CDA TESTING USING PROFILE 4.

In the image below, stats are shown for 4 laps completed for test sequence "1", and one lap of test sequence 2. These data were recorded with AP set to Profile 4:




Here is what the columns mean:

"S" is the Session number for repeated laps of the SAME TEST CONFIGURATION (for example, riding with a specific time trial position). We recommend 4-5 repeated laps of each test session.

"L" is the lap number of the session. So, for example, the fourth lap of the first session 1 is S =1 and Lap = 4 (← next to image)

"Time" is the amount of elapsed time used to complete the lap test.

"CdA" is the measured CdA for the lap.

"Avg Pwr" is the Average Power measured for the lap.

Next to the screen image above, the arrow ← points to Sequence 1, Lap 4, which shows a lap time of 4':07", a measured CdA of .429, with an average power of 163W held for lap 4.

**How to measure CdA with AeroPod Profile 4**

**See the "AeroPod Detailed Instructions" for using the Velocomp app to perform CdA tests in profile 4.**

**Viewing Session and Lap data on your Garmin**

The bottom window of the Garmin data screen shows lap data as you complete each lap test.

The just-completed lap test appears at the top of the window, just beneath the Slope and Power numbers.

As you do more and more test laps, eventually the bottom window will fill; when this happens the Garmin will continue to record and display lap data, *showing most recent to oldest lap results, and scrolling automatically from most recent to oldest laps*. Each window-scroll is shown for about 10 seconds.


10 sec later 10 sec later

**Ending a test-day**

When you have completed all your testing for the day, simply click the Stop button of your Garmin and save your data.

<u>All of your session and lap data will be preserved in your Garmin, and the data will also be copied over to your .FIT file.</u>

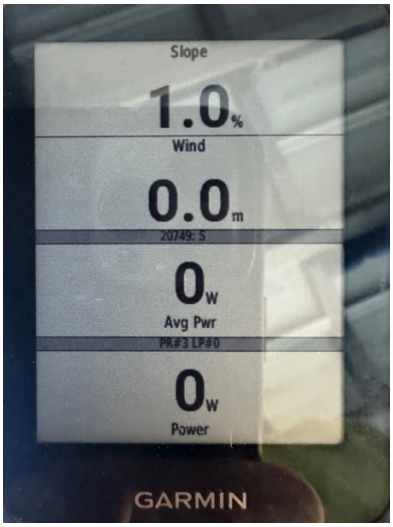
You may turn off your Garmin if you wish.

NOTE: YOUR ON-SCREEN TEST DATA WILL REMAINS VISIBLE ON YOUR GARMIN **ONLY** FOR THE REMAINDER OF THE DAY ON WHICH YOU DID YOUR TESTING. TO VIEW YOUR DATA, TURN ON YOUR GARMIN AND START A NEW RIDE. YOUR DATA WILL APPEAR AND THE LAP DATA WILL SCROLL SO THAT YOU CAN EVENTUALLY SEE ALL YOUR LAP DATA.

**IMPORTANT: AT THE END OF EACH NIGHT, IN THE EARLY MORNING HOURS OF THE NEXT DAY, YOUR GARMIN ON-SCREEN LAP DATA WILL BE ERASED. MAKE SURE TO TRANSFER YOUR DATA, PERHAPS BY TAKING PHOTOS OF YOUR GARMIN SCREEN, SO THAT YOU DON'T LOSE YOUR DATA!**

**Using the Velocomp app with PowerPod**

**PowerPod**: When riding with PowerPod, the Velocomp screen will show live slope, wind and power data.




Clicking the "lap" button shows the Average Power, (the average power measured between the last lap click and the just-completed lap click).