



AT Wizard M5

The 5th generation of our angle & throw measuring device



The AT Wizard M5 is a measuring device for determining flap angle and flap travels.

The display is either via the built-in display or via an app, which we provide free of charge.

The app is only available for Android and Apple IOS systems. Normally, all smartphones and tablets should work as long as they support the low-power operation of Bluetooth. It should work with Bluetooth from version 2.1.

Download the app for Android or IOS. Search for the app "AT Wizard" in the respective stores (Android or Apple) and install it. If you are asked for location sharing permission when you first start it, please enable it. This is unfortunately asked by Android to check if the app is enabled for the respective region.

Design of the AT Wizard M5



The AT Wizard M5 has 3 buttons. On the top side is the power button. When this button is pressed for approx. 1 second, the device switches on. A further press of approx. 6 seconds will switch the device off again.

By pressing the menu key, you can select the functions. These are:

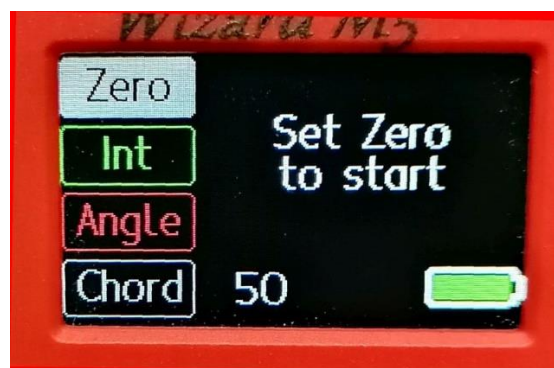
Zero → Set Display to 0

INT → Switching between 1/1 or 1/10 degree or mm

Angle → Switching between angle and travel

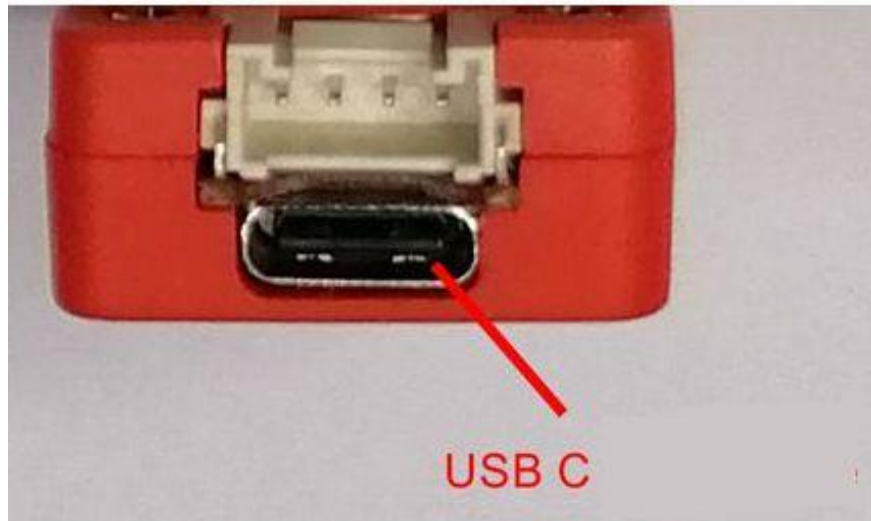
Chord → Enter the depth of the flap in mm to convert angle to travel

Pressing the select key selects the respective function.



First start

Please charge the AT Wizard before first use. A USB C cable is required for this.



You can see the charging status on the bottom right of the screen (battery symbol). During charging, you will also see a small plug symbol in the lower area of the screen.

First measurements

Attach the AT Wizard M5 to your flap. This can be done with a small piece of double stick tape or with the optional holder.

Now the display must be set to 0. After the start of the AT Wizard M5, the menu is set to the function "ZERO", so now you only have to press the select button on the lower side to trigger the function.

Now a short countdown from 3 to 0 takes place and the following picture appears.



Now please do not move the device until the normal display appears again.

If you now move the flaps, you can already read off the angle.

In many cases, the manufacturers will specify the flap travel in mm. If you want to know this, then we must first specify the flap depth so that the AT Wizard M5 can convert the angle into travel in mm..

The corresponding function is called chord. Press the menu button several times until the Chord function is selected. The flap depth is already preset to 50 mm. Now please measure the flap depth.

Measure from the flap hinge to the rear edge of the flap as shown in the picture. The red line in the picture ist the chord.



In this picture you can see that the Chord function is selected and the preset value for the flap depth is 50 mm.



We use the built-in position sensor of the AT Wizard M5 to set the value higher or lower.

So if your flap depth is more than 50 mm, then move the flap up a little bit and press the select button several times until the correct value is displayed.

If your flap depth is less than 50 mm, then move the flap down a little bit and press the select key several times until the correct value is displayed

The value changes by 1 mm each time you press the key. If you hold the key permanently, then the display runs faster.

If you want to switch between the display of the angle and the display of the flap travel, then select the function "Angle" with the menu button.



Then press the select button. Now the display changes to "THROW" and the flap travel in mm is shown on the display. Pressing the select button again switches the display back to angle.

Switching 1/1 or 1/10 mm or degrees.

If you want to switch the measurement between whole numbers and 1/10 degree or mm, please select the INT function with the menu button..



By pressing the select key, the display now changes from whole numbers to 1/10.

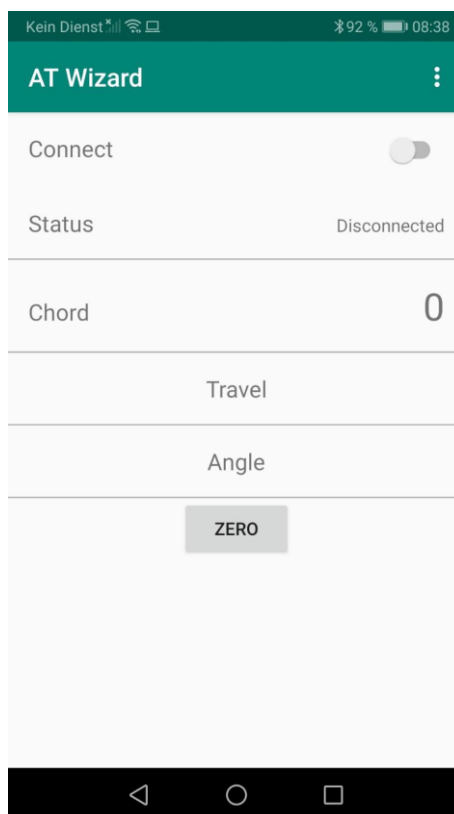
The App

The following explanation applies only to the Android App. The IOS App for Apple is self-explanatory.

Attention, please always switch on the AT Wizard M5 first and then start the app

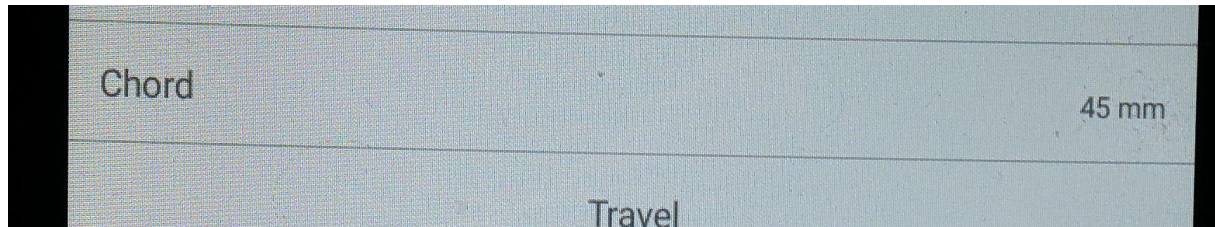
Now start the app. First you will be asked if our app is allowed to activate Bluetooth. Please confirm this with "YES". Now please switch on the AT Wizard M5. Press the button on the AT Wizard M5 for about 2 seconds. The menu will appear on the screen. Please do not try to install the AT Wizard M5 or its Bluetooth connection manually via the Bluetooth Manager. Just start the app and switch on the AT Wizard.

After starting, please activate the communication to the AT Wizard M5. To do this, tap on the "Connect" slider, then your smartphone will search for the AT Wizard and the display will change from "Disconnected" to "Connected". After that, a value is shown on the "Angle" field. The establishment of the connection to the AT Wizard M 5 can take up to 6 seconds depending on the smartphone.

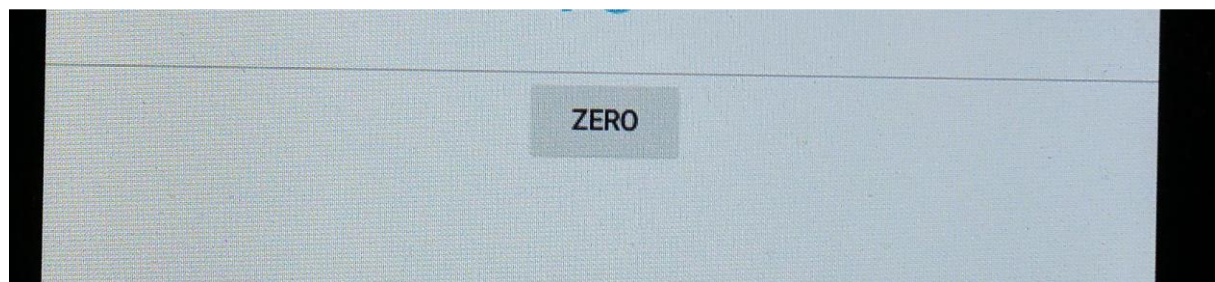


After the connection has been established, you can read off the angle of the flap in degrees in the Angle field.

Now enter the depth of your flap in mm in the "CHORD" field so that the AT Wizard M5 can convert the angular degrees into travel in mm. To do this, simply tap on the "Chord" field. An input window will now open. If you only want to know the angle, you do not need to do this.



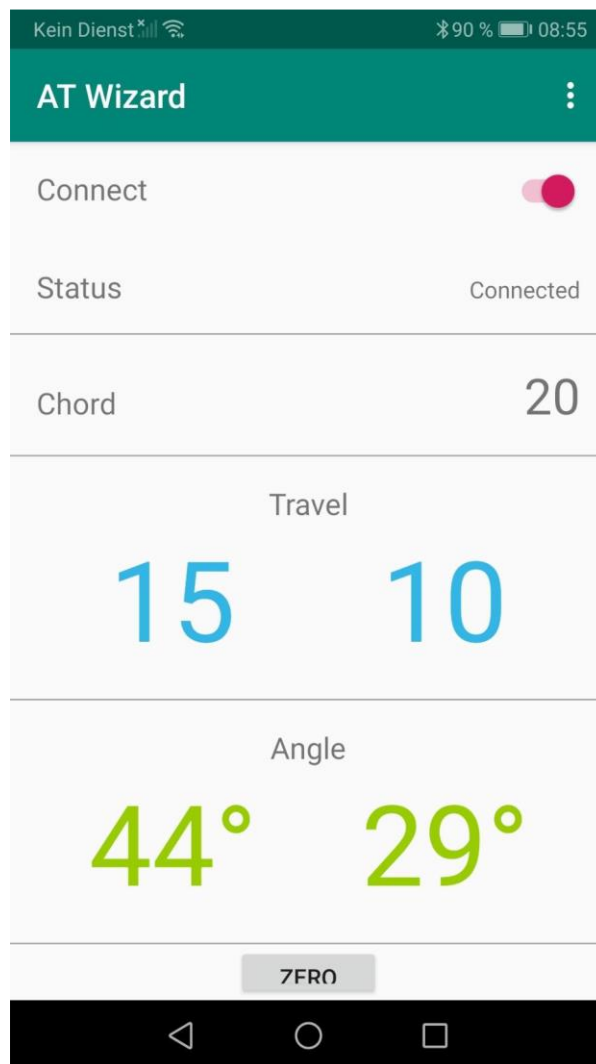
Now you see the required information such as angle (degrees) and travel (in mm) displayed on the screen. Since your model may not be horizontal, press the "Zero" button to save this position as the zero point.



Operation of several AT Wizards at the same time.

With Android, 2 AT Wizards M5 can be operated simultaneously. With Apple IOS, up to 4 AT Wizards M5 can be operated simultaneously. To do this, proceed as follows..

When the app has detected the first AT Wizard M5, turn on the the next AT Wizard and so on. The screen will split and show the different displays.



Changing the measurement 1/1 to 1/10 degrees or mm..

Press the 3 small dots at the top right of the screen and then press "Units". Then a screen opens and here you can select the option "Metric 1/10". From then on the display shows the 10th of a degree after the decimal point..

Attention : Android 9+10 users

Since the introduction of Android 9+10, features that affect the AT Wizard app have changed for security reasons.

Bluetooth and location detection must be turned on to use the app. After installing the AT Wizard app, the following change only needs to be made once on Android 9+10.

Go to:

- Settings - Apps

Tap Apps at the very top and find the AT Wizard app.

Tap on the app and the app info will appear. Tap on permissions here. Now tap on Location and change the setting to : " Allow access only while using the app ".

Calibration menu

Sometimes it is necessary to Calibrate the accel sensors inside the device.

This is done thru a setup menu.

How to Proceed?

1. Turn Device off
2. Turn upside down (display downwards)
3. Now press in the following sequence : 1 M5 button and hold / 2 secondary button and hold / 3 power button and hold.
4. You will hear a series of beeps
5. Lay the device flat on its back on a level surface you will see the following screen and a red bar is slowly „timing out “from right to left.



- 6.
7. After the Red line timing out turn the device on ist side (see picture)



8. As soon the red line is also timed out turn the device upwards with the USB connector towards up (see picture)



9. Done! It will ask you to Cycle power and enjoy the tool!



In the interest of our environment and in order to recycle the raw materials used as completely as possible, the consumer is requested to take used and defective devices to the public collection points for electronic waste.

The sign of the crossed-out wheeled garbage can means that this product must be taken to a collection point for electronic waste



Die CE Erklärung des Herstellers Digitech liegt uns vor, diese können wir Ihnen auf Anforderung gerne zusenden.