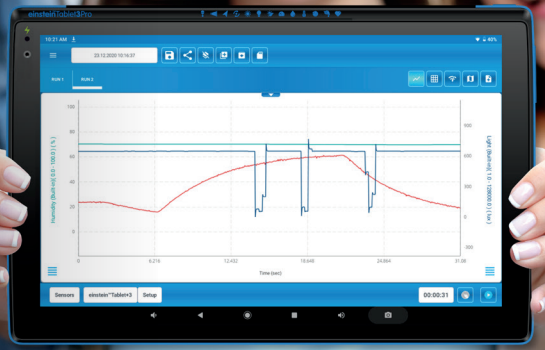
einstein™

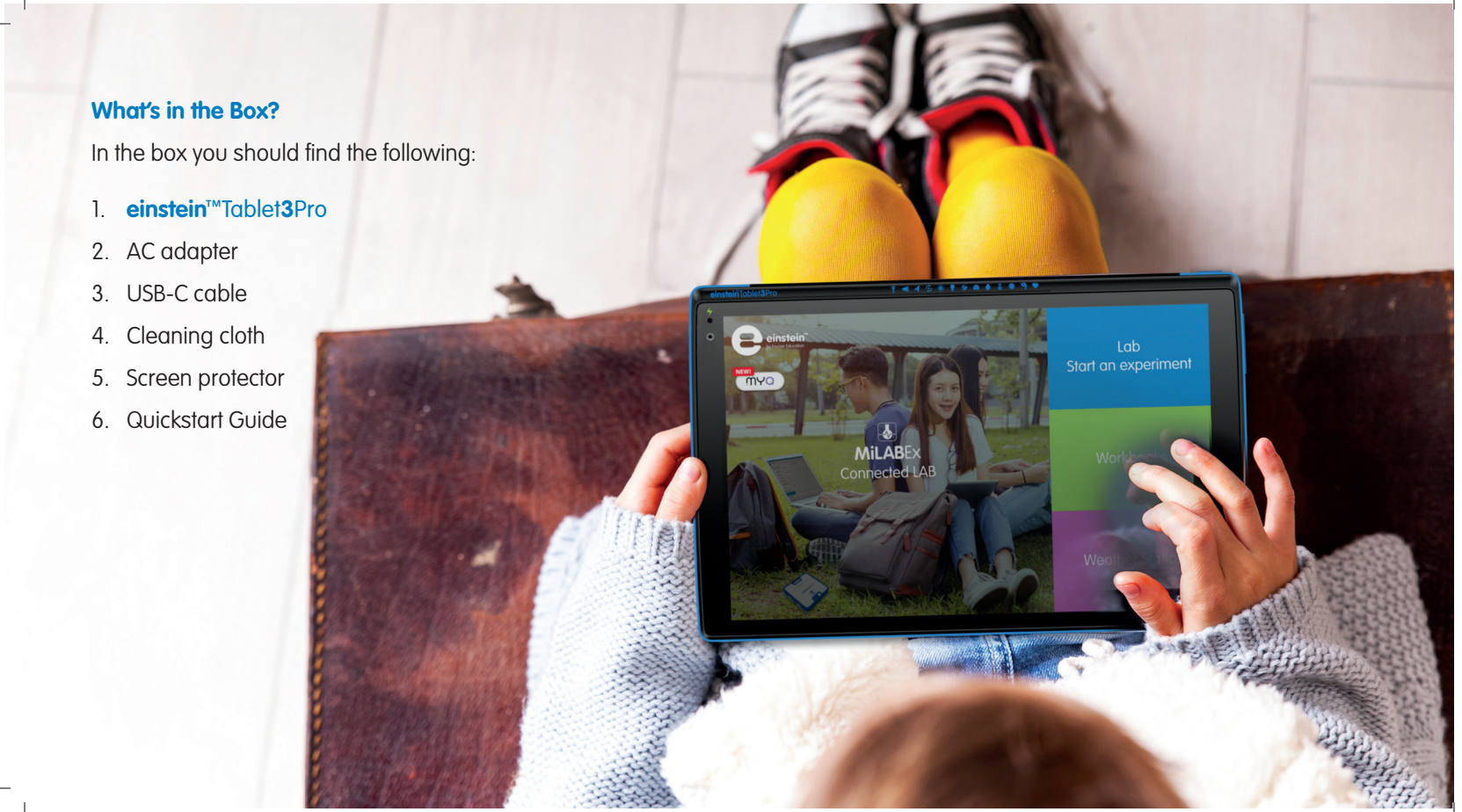
einstein™ Tablet3Pro Quickstart Guide



What's in the Box?

In the box you should find the following:

1. **einstein**™Tablet**3**Pro
2. AC adapter
3. USB-C cable
4. Cleaning cloth
5. Screen protector
6. Quickstart Guide



Thank you for choosing the **einstein**™Tablet**3**Pro.

For over 3 decades **Fourier Systems** (also known as Fourier Education) is a worldwide leader in the field of science education technology for students from primary schools through high school, teachers training colleges and universities. Fourier's products simplify the way data is collected, analyzed, and shared.

Fourier provides a full and complete solution for a computerized lab, which includes data logging devices (LabMate and Tablet3pro), over 60 sensors, hundreds of Workbooks and the best available data collecting and analyzing software existing in the market (the **MiLAB**Ex).

The **einstein**™Tablet**3**Pro, which is a full Android 10.1" tablet with a 13 built-in sensors, was designed to encourage science discovery and hands-on exploration by students of all ages from everywhere .

You are invited to explore and enjoy **einstein**™Tablet**3**Pro with our software **MiLAB**Ex and its user-friendly design and intuitive interface.

Please find more information about our sensors and loggers here: https://**einstein**world.com

The **einstein**™ team

13 Built-in sensors

- Microphone (70 to 20000 Hz)
- Sound (40 to 110 dB)
- GPS
- 3-Axis Accelerometer
- UV (Index)
- Light (1 to 128,000 lux)
- PAR

- Projector Friendly Ultra HD output
- Wifi 6
- Bluetooth 5.0
- Supports a 128GB Micro-SD card
- Long Lasting Battery

Barometric Pressure
(260 to 1260 mbar)

Relative Humidity
(0 to 100 %)

Temperature
(-15 – 50°C | 5 – 122°F)

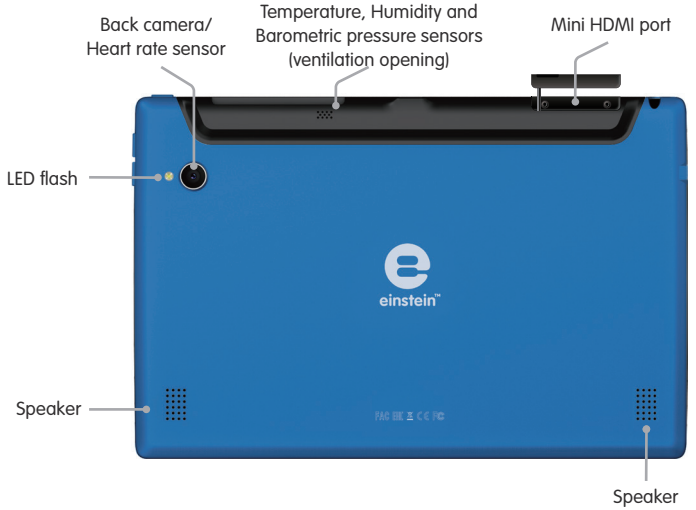
Heat Index

Dew Point

Heart Rate
(40 to 240 bpm)

+ over 60 **einstein™** external sensors
(sold separately)

The **einstein™**Tablet**3**Pro comes with the 13 built-in sensors listed above to start you on your way to a full, hands-on science curriculum. To find out more about customizing and expanding the tablet's capabilities check out our website: **einstein**world.com/sensors



Using your **einstein**™Tablet**3**Pro

Turn on your **einstein**™Tablet**3**Pro:

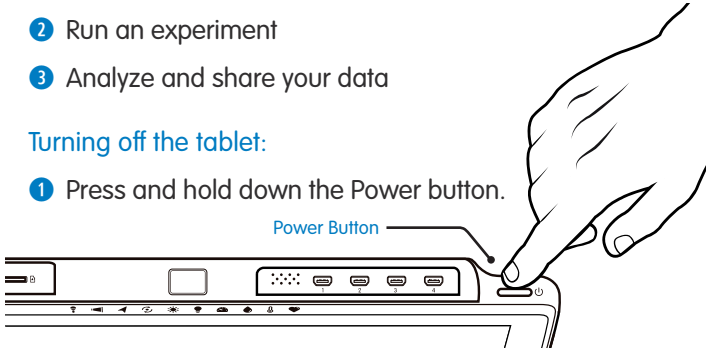
1. To turn on your tablet press the Power button down until the **einstein**™ logo appears on the screen, then release
2. Swipe the lock icon to start accessing your tablet's apps

open **MiLAB**Ex app

1. Choose one of the sub apps
2. Run an experiment
3. Analyze and share your data

Turning off the tablet:

1. Press and hold down the Power button.
2. Confirm that you want to power off.



Charging the battery:

1. Plug the AC adapter into a wall socket.
2. Plug the USB end of the USB-C cable into the adapter. And the USB-C end to the tablet port.
3. The Charge Indicator light will turn red when battery power is low and green when the tablet is fully charged.

Notes and warnings:

Note: An on-screen indicator will give you an accurate indication of battery power.

Note: The tablet may become warm when connected to the charger.

Warning: Using an unauthorized charger may damage the tablet.

Using internal sensors

The Light, PAR and UV sensors are located at the top of the tablet. To take a reading aim the sensor at the light source you want to measure.

The Temperature, Humidity and Barometric Pressure sensors are located at the top of the tablet.

Heart rate sensor is located on the camera flash. Placed your index finger on the flash light.

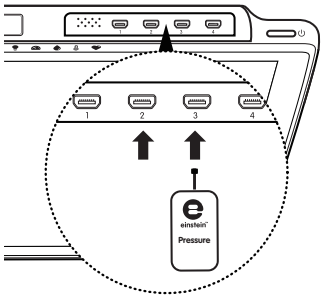
Move the tablet on the Axis for measuring Acceleration.

Connecting external sensors

External sensors can be added by connecting a sensor cable to the **einstein**™Tablet**3**Pro. Insert the sensor cable into one of the 4 sensor ports on the tablet and then connect the other end of the sensor cable to the sensor.

Up to 8 external sensors can be added by adding a splitter to each port. Please note the position of the sensor's connector. When properly positioned, the sensor cable should fit in smoothly.

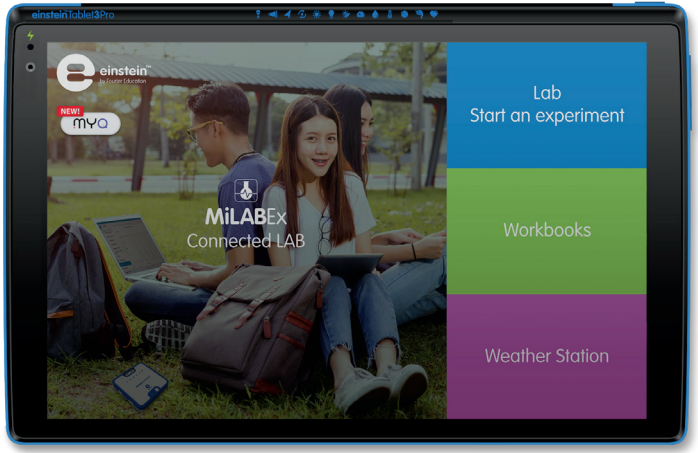
For a complete list of sensors, please visit our website. https://**einstein**world.com/ew/product-category/sensors/



Experiment with **MiLAB**Ex app

The MiLABEx is a free license-to-use software that provides a holistic solution for STEM education with 3 sub apps. Together, these sub apps offer educators and students a versatile toolbox for fostering an interactive and immersive science learning environment.

Please find the full detailed Instructions here:
https://einsteinworld.com/ew/manuals-2/



Here is a quick guide to start with:

The LAB

Plan your experiment, define sensor settings and experiment parameters, run the experiment, analyze data collection, and share it with the teacher and colleagues.

Quick Start Guide

1. Tap on sensors and select your sensors for the experiment and then save
2. Tap on setup – to set up duration, sample rate and then save
3. Tap Run and start your experiment

Workbook

Without the need for login or sign-up, users can download hundreds activities, free of charge, divided by curriculum topics and languages. Each workbook comes with a PDF and/or video detailing the experiment setup and explanation, as well as a predefined experiment setup.

Quick Start Guide

1. Select the experiment and download it
2. Connect the sensors for the experiment
3. Tap Run and start your experiment

The Weather station

This sub-app functions as a real-time weather monitoring dashboard, displaying an array of climate-related parameters such as temperature, humidity, barometric pressure, UVI, dew point, and heat index.

The Weather Station enables immediate visualization of current weather conditions, facilitating a deeper understanding of climatology whether you're in a classroom setting or exploring the great outdoors.

Quick Start Guide

1. Tap on saving rate to select the desired rate
2. Tap Run and start your experiment

Specifications

Model Number: ENTAB3
CPU: Quad-core, 2.4 GHz
Screen: 10.1" 1280 x 800 LED IPS

Memory:
Internal memory: 64 GB

Features:
5 Megapixel camera (Front)
13 Megapixel camera (Rear) + LED flash
Speakers: 1W x 2

Connectivity:
Wi-Fi: 802.11 ac/a b/g/n
Bluetooth: Bluetooth 5.0, BLE
GPS

Ports:
Mini-HDMI: 1 port
External sensor port: 4 ports
USB-C: 1 port

Power Supply:
Battery: Li-Polymer, 10,000 mAh
AC adapter: PD 18W Adapter

Certifications:
CE, FCC, CCC, EAC

Updates

Fourier will provide automatic Over the Air (OTA) push updates to your Tablet. You will need an active internet connection to update.

To update the Tablet, make sure that the Tablet is 30% charged or connected

to the AC adapter.

Warnings

- Opening the tablet, by anyone other than an authorized dealer, will void the warranty
- Do not cover the ventilation openings during use
- Keep the tablet away from extreme heat or cold
- Do not use solvents when cleaning the screen
- Never immerse the tablet in water and avoid exposure to high humidity
- Do not dispose of the tablet with regular waste, recycle both the tablet and the battery in designated places

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the **einstein**™ Science Learning Platform
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FCC statements:
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue.
Device types ENTAB3, einsteinIII, (FCC ID: 2ATPC-ET03) has also been tested against this SAR limit.
The highest SAR value reported under this standard during product certification for use when properly worn on the body is 0.639 W/kg.