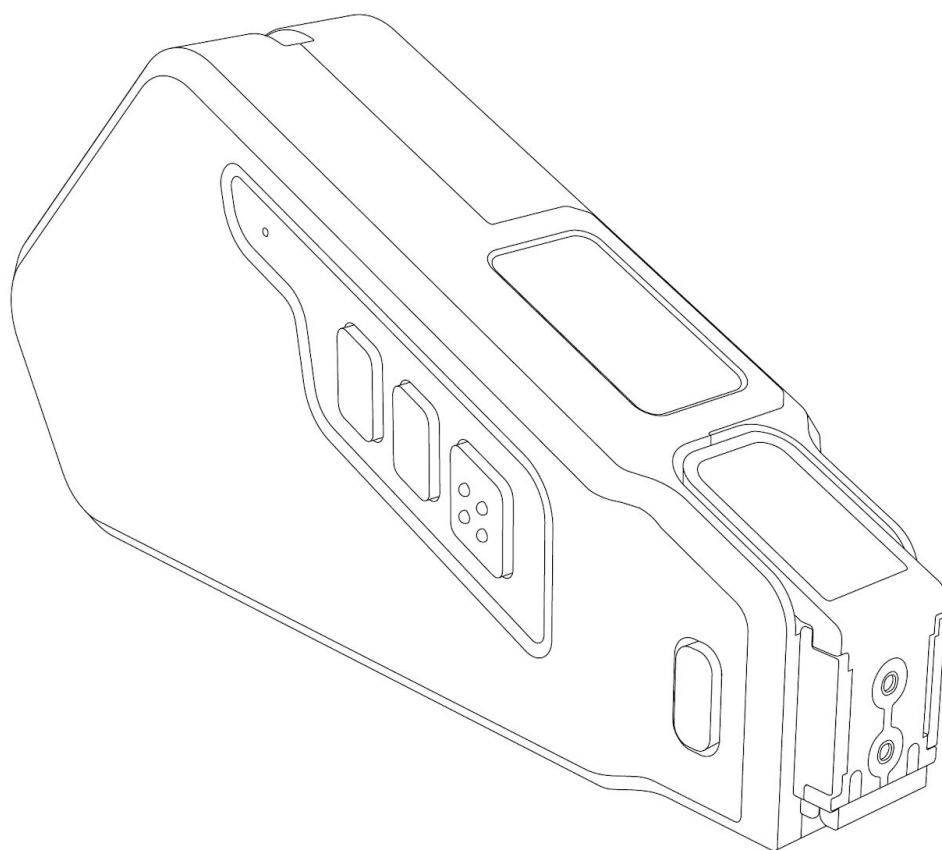


**ALT: BAGEL-003**

# **USER GUIDE**



## Table of Contents

### [ALT: Bluetooth Tape Measure](#)

[Summary](#)

[What's Included](#)

### [Getting Started](#)

[Powering ALT On](#)

[Displayed Items](#)

[Connecting ALT with Your Mobile Phone](#)

[Sending Measurements to Your Mobile Phone](#)

[Changing Units](#)

[Recharging ALT's Battery](#)

[Device Status](#)

### [Safety Warnings](#)

### [Regulatory Information](#)

[FCC](#)

[CE](#)

[E-Labeling](#)

### [Limited Warranty](#)

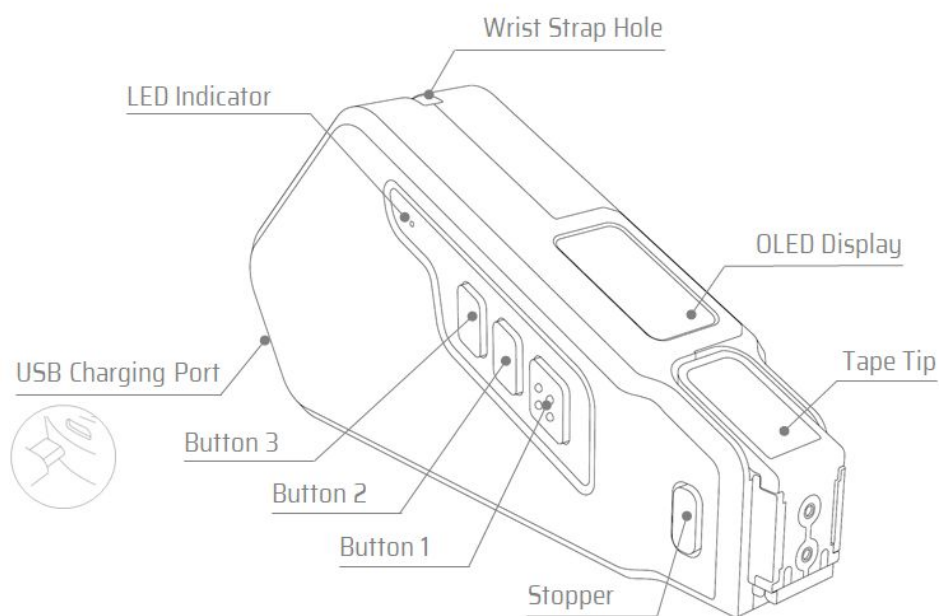
### [Specifications](#)

### [Product Information](#)

# 1. ALT: Bluetooth Tape Measure

## 1.1. Summary

ALT is the first Bluetooth-enabled tape measure dedicated to the garment industry. It helps you easily measure and send garment size data through Bluetooth.



## 1.2. What's Included

- ☐ ALT: Bluetooth Measuring Tape
- ☐ 50cm micro USB charging cable (for charging only)
- ☐ User Guide

## 2. Getting Started

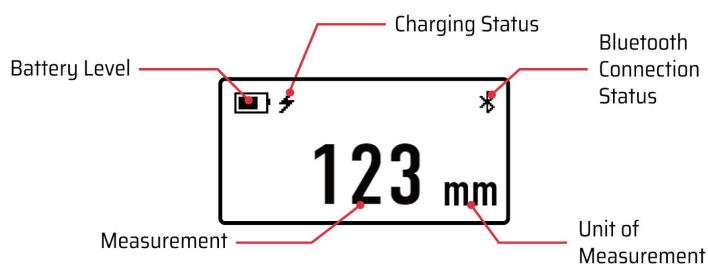
### 2.1. Powering ALT On

Press and hold Button 3 to power ALT on.

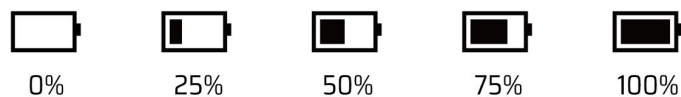
### 2.2. Displayed Items

With ALT powered on, you can check the status of the following items on its OLED display.

- ☐ Measurement
- ☐ Unit of Measurement
  - in: inches
  - mm: millimeters
  - cm: centimeters
- ☐ Battery Level
- ☐ Charging Status
- ☐ Bluetooth Connection Status
  - Blinking: Unpaired
  - Solid: Paired



*<Display Items>*



*<Battery Level Icons>*

## 2.3. Connecting ALT with Your Mobile Phone

Before you use the device, you must first pair it with a mobile phone. A successful pairing establishes a unique link between ALT and the mobile phone.

1. Make sure that ALT is powered on and not already connected to any other device. This can be confirmed by the blinking Bluetooth Connection Status icon on ALT.
2. Make sure that the mobile phone is turned on and its Bluetooth feature is activated.
3. On your mobile phone, run a Bluetooth scan.
4. On the list of scanned devices, select ALT to start the pairing process.
5. Confirm completion of pairing as indicated by the solid Bluetooth Connection Icon on ALT.
6. For detailed information, refer to the user manual of your mobile phone.

## 2.4. Sending Measurements to Your Mobile Phone

Once ALT is successfully paired with your mobile phone, you can use it to take and send size measurements.

### **Send**

Press Button 1 to send the current measurement to your mobile phone.

### **Skip**

Press Button 2 to skip a measurement. This button imitates the ENTER key on your mobile phone and sends the cursor to the next input item.

### **Undo**

Press Button 3 to undo. This button will imitate the UNDO feature on your mobile phone and cancel your previous action.

## 2.5. Changing Units

Press and hold Button 1 to change measurement units. You can select from fractional inches, centimeters, and millimeters.

## 2.6. Recharging ALT's Battery

Use the included micro USB cable to recharge ALT's battery. You can charge via any power adapter or USB port of your computer as long as it provides a constant voltage of 5V.

When ALT is being charged, a thunderbolt icon(ALT powered on) or a battery icon with the text *Charging*(ALT powered off) will appear on its display.



*<Charging Status Icons (ALT powered off)>*

ALT's maximum charge current is limited to 120mA and hence higher charging currents will not necessarily induce faster charging. ALT should take around 3 hours to fully charge and allow approximately 10 hours of constant use.

\* ALT's micro USB port is for charging purposes only and does not transfer data.

## 2.7. Device Status

The device status can be checked by its LED indicator.

- ☐ Blinking Blue: Powered on
- ☐ Solid Blue: Connected to a mobile phone

### 3. Safety Warnings

Please read all the instructions. Failure to follow any instructions listed below may result in electric shock, fire, choking and/or serious injury.

- ❑ DO NOT use this device for any purpose other than outlined in this manual.
- ❑ DO NOT modify the device. There are no user-serviceable parts inside.
- ❑ DO NOT subject the device to extreme conditions: extreme temperatures beyond operating temperatures, high vibrations, dusty area, humid conditions (including any liquid) or direct sunlight.
- ❑ DO NOT use excessive force to fold or twist the tape. This can damage the tape permanently.
- ❑ DO NOT use excessive force to pull the tape over 160 cm or 63 in. This may permanently damage the device.
- ❑ Be very careful when measuring neck circumference. The fiberglass tape may accidentally cause choking.



## 4. Regulatory Information

You can check the device's regulatory information on its e-label, which can be accessed by following these steps below.

Step 1. Connect a power source to the device using the charging port and a USB cable.

Step 2. Press and hold Button 2 and Button 3 simultaneously, for 2 seconds.

Step 3. Toggle through e-label pages by pressing Button 1.

### 4.1. FCC

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.

#### **FCC Caution**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

#### **FCC Interference Statement**

This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to correct the interference by one of the following measures:

- ☐ Reorient or relocate the device.
- ☐ Increase the separation between the device and the receiver.
- ☐ Connect the device into an outlet on a circuit different from which the receiver is connected.
- ☐ Consult the manufacturer for help.



## 4.2. CE

Hereby, Bagel Labs Co., Ltd. declares that the radio equipment type ALT(Model Number: BAGEL-003) is in compliance with Directive 2014/53/EU.

## 4.3. E-Labeling

You can access regulatory information through the device's display, as below.

Starting from Main Screen:

1. Connect a power source to the device using the charging port and a USB cable.
2. Press and hold Button 2 and Button 3 to view the device's serial number.
3. Press Button 1 to toggle to view certification IDs.

# 5. Limited Warranty

Bagel Labs represents and warrants that this device, for a period of one (1) year from the applicable delivery date of each unit, will substantially conform to any applicable specifications and documentation; and will be free from defects in measurement accuracy and device performance, materials and workmanship, except to the extent of damage caused by gross negligence, misuse, excessive wear or modifications to the units that were not authorized by Bagel Labs.

# 6. Specifications

<b>Charging Voltage</b>	5V
<b>Display</b>	0.96" OLED (128x64)
<b>Battery</b>	400mAh Li-Po
<b>Connectivity</b>	Bluetooth, Bluetooth Low Energy 4.2
<b>Materials</b>	Polycarbonate (Housing) Fiberglass (Tape)
<b>Compatible OS</b>	Android, iOS, Windows, macOS
<b>Firmware Update</b>	OTA Available
<b>Measurement</b>	
<input type="checkbox"/> Range	1 - 160 cm, 1 - 63 in
<input type="checkbox"/> Units	mm, cm, in
<input type="checkbox"/> Resolution	1mm, 1/16 in
<input type="checkbox"/> Accuracy	±0.5mm, ±1/32 in

## 7. Product Information

<b>Product Name</b>	ALT
<b>Brand Name</b>	Bagel Labs
<b>Manufacturer</b>	Bagel Labs Co., Ltd.
<b>Address</b>	Suite 411, Startup Campus Building 3, Pangyo-ro 289 beon-gil 20, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea 13488
<b>Model Number</b>	BAGEL-003

ALT (BAGEL-003) - User Guide  
[First Created Sep 30th, 2019 | Author: Dave Byun]  
Copyright 2019 Bagel Labs Co., Ltd. All Rights Reserved.

Made in Korea  
Made by Bagel Labs