

# Wewalk Smart Cane 2

## User's Manual

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eIFU	Electronic Instructions for Use
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 <b>Notice</b>	<p>We as WeWALK Company, only provide Electronic IFU (Instructions for Use / User's Manual). As a part of your legal right to obtain a physical printed manual (non-Braille), if you don't have access to an electronic environment, please contact us or indicate a note while placing an order, or print this page directly.</p> <p>You can always find the previous and up-to-date user manuals from our website. All of the versions will be kept at least 5 years from its publication.</p> <p>However, this product is a firmware included device and you should connect and check the latest firmware for better security and reliability. This product can receive new features by updates. As a result, please don't refer to a printed version, and we don't suggest a physical guide.</p> <p>Please check the latest user manual, after updating your Device firmware through <a href="#">the Application</a>. We'll inform you about the changes in the Application.</p>
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## 1 Introduction

*At WeWALK, our mission is to provide our visually impaired community with a tool to get them anywhere safely, effectively, and independently. Congratulations on purchasing WeWALK Smart Cane, and we thank you for joining us on this journey.*

*We hope that it proves to be a valuable aid to your mobility. With care, your WeWALK will give you many years of trouble-free use. Please read this user guide carefully as it explains how to operate your WeWALK effectively.*

Company Official  
Gökhan Meriçliler

This user manual is an instruction for use for the device information below.

<b>Device Name:</b>	Wewalk Smart Cane 2
<b>Device Model:</b>	SCN-2000
<b>Medical Device Classification:</b>	Class 1
<b>Serial Number:</b>	Please refer to the <a href="#">Activation process</a> , to learn your serial number.
<b>Manufacturer:</b>	Wewalk Teknoloji A.S.  <u>Address:</u> Reşitpaşa Mahallesi Katar Cad. İTÜ Arı 1 Teknokent Binası Blok No:2/5 İç Kapı No:6 34467 Sarıyer İstanbul TÜRKİYE  <u>Contact:</u> <a href="mailto:support@wewalk.io">support@wewalk.io</a>
<b>Seller:</b>	Please refer to your invoice.

## 2 Intended Use Case

The Device; Wewalk Smart Cane 2 (will be called Cane) is a technology-enabled white cane for the visually impaired.

The device should be held and used using regular cane technique and using the device alone is not sufficient instead of using a good cane technique.

Any of the features of this device (such as obstacle detection) do not replace the need for white cane usage skills. (The obstacle detection sensor only detects obstacles above waist level, such as tree branches or signs.)

The WeWALK Smart Cane helps visually impaired people walk more confidently for noncommercial use. This product includes a white cane and a smart handle part. It can notify the user with haptic, audible feedback, and an obstacle sensor.

The device is designed to provide comfort and ease of use, creating a preferable advantage compared to the regular white cane. In case of a problem with the device or when the device is turned off it can be used like a regular white cane.

## 2.1 Foreseeable Misuses

Usage except 'intended use' is unsafe. The following improper usage can inhibit the performance and safe operation of the device.

- Using the cane for physical balancing, like using a crutch, an elderly cane, or a walker
- Untrained user's usage
- Using without a white cane
- Misalignment of the length of the white cane
- Charging with an adaptor of output greater than 5V 1A and/or with a non-compliant one
- Using the Cane in the wrong place with the wrong technique

## 2.2 Liability Limitation

 <b>Notice</b>	We do not assume any responsibility for damages and injuries that may occur due to not observing the instructions in this user manual, using the device outside its intended use, unauthorized repairs, unauthorized modifications on the device and using spare parts not approved by the manufacturer.
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## 3 Features

### 3.1 Standalone Features

These are built-in features in the Cane that won't require any combination with another product or service.

1. Obstacle Detection
2. Voice Feedback
3. Haptic Feedback
4. Illumination
5. Audible Warning

### 3.2 Smart Features

Smart cane provides more features when combined with the "WeWALKSmart Map" smartphone application. The Cane and Application combination provides some "Smart Features" listed below.

1. Voice Assistant
2. Navigation
3. Nearby Places
4. Public Transport

“Wewalk Smart Map” mobile application (Application) is our other product. According to your region, these functionalities can be limited or altered. Please follow the instructions in the Application.

The application is available on the App Store (for iOS Smart Phones by Apple) and Google Play Store (for Android Smart Phones). You can open the <https://wewalk.io/app> quick link on your smartphone to download the Application. Or you can search the “Wewalk” term in Stores and download the application developed by Wewalk Teknoloji A.S.

The application is a separate product and is not a part of the [Intended Use Case](#) defined in this manual. The features of the Application and Cane combination add additional helper benefits. And the conditions and compliance of the Application might differ. Please read the instructions in the Application.

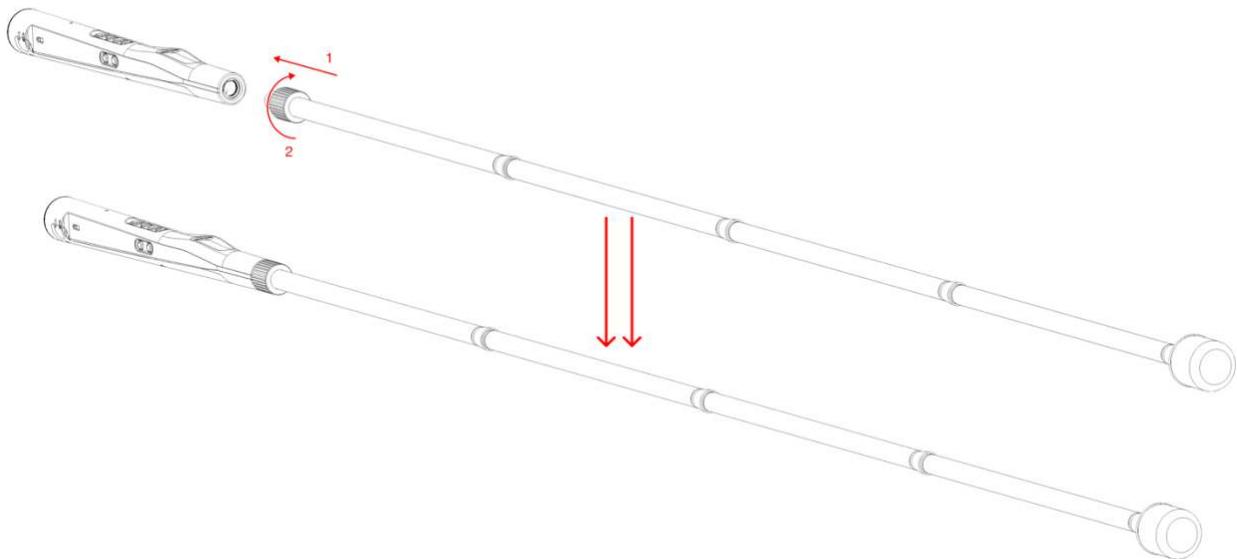
## 4 Box Contents

You'll receive your product in 2 boxes. The larger box will contain;

- WeWALK Smart Cane 2 Smart Handle (Handle)
- Smart Handle Silicon Case (Case)
- USB Type A to C Cable (Cable)
- Wriststrap

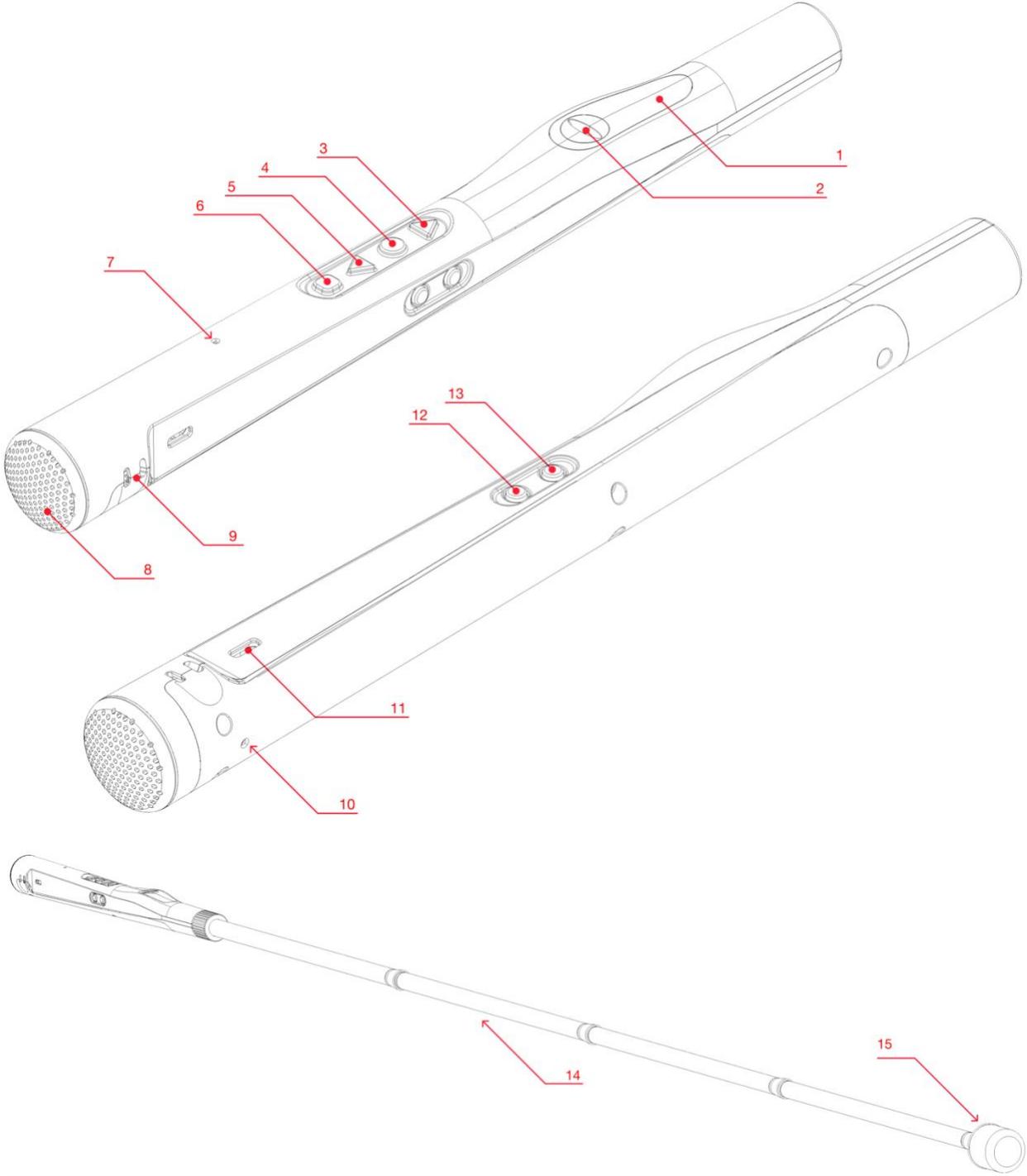
The Case part may come pre-installed on the Handle.

The smaller box will contain the rest of the white cane with an attachment screw. You should attach the Handle to the white cane by using the attachment screw. The white cane might be sold separately. Please consider this while purchasing your product.



Description: This illustration shows how to attach the Handle and white cane. After aligning the rubber and screw at the end of the white cane perpendicular to the bottom of the Handle, the white cane should be turned clockwise until the screw is fully tightened.

# 5 Get to Know Your Device



<ol style="list-style-type: none"> <li>1. Flashlight</li> <li>2. Obstacle Detection Sensor</li> <li>3. Up Button</li> <li>4. Enter Button</li> <li>5. Down Button</li> </ol>	<ol style="list-style-type: none"> <li>6. Open / Close Button</li> <li>7. Pressure Venting</li> <li>8. Speaker Grid</li> <li>9. Lanyard Rope Hole</li> <li>10. Microphone Hole</li> </ol>	<ol style="list-style-type: none"> <li>11. USB-C Charge Socket</li> <li>12. Obstacle Detection Sensitivity Button</li> <li>13. Voice Level Button</li> <li>14. Foldable White Cane</li> <li>15. Rolling Tip (might vary based on your region)</li> </ol>
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The front surface of the Smart Handle features a flashlight, an obstacle detection sensor, four physical buttons, and a pressure venting system.

On the right side of the Smart Handle, there are two tactile buttons, a USB-C charging port, and a lanyard rope hole. The side surface of the Cane is designed to fit in the palm of the hand. Therefore, it has a flatter surface compared to other sides, providing a better grip.

At the top of the Smart Handle, there is a speaker grid.

5.1 Flashlight

The LED is the first part on the front surface of the Cane, located after the junction with the white cane. It is round in shape and has a hard plastic texture.

 <b>Note</b>	Flashlight consumes a significant energy which might affect your battery. Flashlight will be turned off automatically after a while, to save your battery life.
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5.2 Obstacle Detection Sensor

The obstacle detection sensor is designed to detect obstacles above waist level.

The Obstacle Detection Sensor is located above the flashlight on the front side of the cane. It is at the highest horizontal height of the Handle. The shape of the Obstacle Detection Sensor is round with a hole in the center in the shape of a horizontal line for better obstacle detection.

 <b>Warning</b>	Please don't press to the obstacle detection sensor with your finger or another equipment and don't insert any wire or thin material for any reason, including cleaning.
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5.3 Up Button

The Up Button is located on the front surface of the Cane, between the Obstacle Detection Sensor and the other tactile buttons. When the Cane is held perpendicular to the ground, it is the first button from below among the buttons on the front surface of the Handle. It has

the shape of a downward arrow. A short press on this button moves to the next step in the menu. For long presses, a personalized feature can be assigned from the app.

The functionalities of this button are described in the table below.

**Table: Button Functions**

5.4 Enter Button

The Enter Button is located on the front surface of the Cane, between the Up Button and the Down Button. When the Cane is held perpendicular to the ground, it is the second button from below among the buttons on the front surface of the Handle. The shape of the button is round. A short press on this button selects the feature heard from the voice menu. A long press activates the microphone.

The functionalities of this button are described in the table above.

5.5 Down Button

The Down Button is located on the front surface of the Cane, between the Enter Button and the Open/ Close Button. When the Cane is held perpendicular to the ground, it is the third button from below among the buttons on the front surface of the Handle. It is in the shape of an upward arrow. A short press on this button will move you to the previous step in the menu. For long presses, a personalized feature can be assigned from the app.

The functionalities of this button are described in the table above.

5.6 Open / Close Button

The Open / Close Button is located on the front surface of the Cane, between the Down Button and Pressure Venting. When the Cane is held perpendicular to the ground, it is the fourth button from below among the buttons on the front surface of the Handle. The shape of the button is square.

Long press to open or close the device. This button also will be used as a “Menu Close” function with one click, when connected to the Application.

Button	Click Function	Long Press Function
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Up	Previous Item with Application	<i>Customized Action <u>with the Application</u></i>
Enter	Enter with Application	<i>Activating Microphone <u>with the Application</u></i>
Down	Next Item with Application	<i>Customized Action <u>with the Application</u></i>
Open / Close	<i>Close the Menu <u>with the Application</u></i>	Turns the Device On or Off
Voice Level	Loops Voice Levels	<i>No function</i>
Obstacle Level	Loops Obstacle Options	Turns Flashlight On or Off

### 5.7 Pressure Venting

The Pressure Venting Hole is located on the front surface of the Cane, above the Open / Close Button. It is the last part on the front surface of the Handle. It is a round hole about the size of a pinhole.

Pressure venting hole is designed to balance the pressure and allow sensors to perform better. Please don't close the hole while using the device.

### 5.8 Speaker Grid

The Speaker Grid is located at the top of the cane. This placement allows the sound to be heard more easily. It is a cover with many small holes.

Please don't put any wire or narrow objects to the holes of the speaker grid.

### 5.9 Microphone Hole

The Microphone Hole is the only part located on the back surface of the handle. Its placement on the back surface of the cane is to ensure that the sound is heard more clearly. It is a round hole about the size of a pinhole.

The microphone hole is designed to get your sound better for [Voice Assistant](#) inputs. Please don't close the hole while using the device.

### 5.10 Obstacle Level Button

The Obstacle Level Button is located on the side surface of the Cane, between the Voice Level Button and the USB-C Charge Socket. When the Cane is held perpendicular to the ground, it is the upper one of the buttons on the right surface of the Handle. The shape of the button is round. This button allows you to loop between obstacle detection options when you click one time: Turn Off, Low Range, Mid Range, High Range, Turn Off, Low Range, Mid Range...

This button also allows you to turn on and off the flashlight with a long press.

### 5.11 Voice Level Button

The Voice Level Button is the first part located on the side surface of the Cane, after the junction with the white cane. When the Cane is held perpendicular to the ground, it is the lower one of the two buttons on the side surface of the Handle. The button has a round shape.

This button allows you to loop between voice options, when you click one time: Silent Mode, Level 1, Level 2, Level 3, Level 4, Silent Mode, Level 1, Level 2...

### 5.12 USB-C Charge Socket

Description:

The USB-C Type Socket is located on the right side surface of the Handle, between the physical buttons and the lanyard rope hole. It has a small oval shape.

### 5.13 5.13. Lanyard Rope Hole

Description:

The Lanyard Rope Hole is located on the right side surface of the Handle, after the USB-C Type Socket. It is shaped like two small holes side by side.

## 6 Sounds and Indicators

Please refer to the table below. The functions will play both an audible sound (foundation) and a talking description (the Voice) for the function.

#	Sound (Tone)	Foundation Sound	Voice	Description of the Function
1	Device On	Ascending tone	No Voice	when the device turned on (ascending)
2	Device Off	Descending tone	No Voice	when the device turned off (descending)
3	Sleeping (Sleep Mode On)	Softer descending tone	"Sleeping"	when the device kept untouched for a while, the device sleeps
4	Awaking (Sleep Mode Off)	Softer ascending tone	"Awake"	when the device wake up
5	Connected	Clear, single ping	"Connected"	When the device is connected to the phone
6	Disconnected	Clear, single disconnect	"Disconnected"	when disconnected
7	Charge Plug In	Double tone	"Charging"	when charge cable plugged in
8	Charge Plug Out	Single tone	"Charging stopped"	when plugged out

9	Low Battery	Minor descending	"Low Battery"	when battery level reaches to a low / critical level
10	Microphone Enabled		No Voice	when mic button pressed and hold
11	Microphone Released		No Voice	when mic button released
12	I'm Here	Continuous beacon tone	"I'm Here, press any button to silence this"	when user clicks "find my cane" button on wewalk app, beacon sound will be played at full volume. And when user press any button, the sound will be stopped.
13	Distance	Minor tone/beep	"Weak connection, move closer to your phone"	when the device and phone kept far apart
14	Light On	Major tone, soft	"Light On"	when user opened the light
15	Light Off	Minor tone, soft	"Light Off"	when user closed the light or when light turned off automatically
16	Obstacle On		"Obstacle Detection is On"	when user opened it.
17	Obstacle Level		"Close Range" / "Mid Range" / "Far Range"	when user clicked to the obstacle level change button
18	Obstacle Off		"Obstacle Detection is Off"	when user closed it.
19	Mute		"Device is muted"	when user muted it.
20	Sound Level		"Sound Level 1 / 2 / 3 / 4"	when user clicked to the sound level change button

## 7 Before Starting

1. Please be sure that you choose the correct length of the white cane. Longer or closer white cane usage might cause a distraction or cause some ergonomic problems.
2. Please be sure you read this manual, and you'll use the device according to the "Intended Use Case." Any use against the intended use case is not in the guarantee and our support scope.
3. You are trained to use a white cane, or you're using the device under the supervision of an Orientation and Mobility (O&M) Specialist. Our company cannot be kept responsible for the incidents and accidents happened by an untrained user.
4. When you open the package, there is no smell, leakage, or break in your device. In case of these problems, please contact your seller without using the device.

## 8 Set Up Your Device

1. Press and hold the Open / Close button.
2. You'll hear audible and haptic feedback when you open the device.
3. If you don't hear a sound, you can charge the device for a while. The device will provide an opening sound.
4. You'll hear a notification about the activation of your device. The activation process is required to enable Smart Features and keep your device safe and secure. Even if you'll just use [Standalone Features](#), our activation process will install the up-to-date firmware, including performance improvements for standalone features. We recommend connecting your Cane with the Application at least once a month to check the new device improvements to get performance and reliability improvements.
5. Download the Application to your smartphone.
6. Follow the instructions on the Application till you see the "Smart Cane" in the application.
7. Tap to the "Connect Cane" button. *(The name of the button might be different.)*
8. You'll hear a sound if the Cane is connected to the Application. If the connection didn't happen, you can turn off and on the device again.
9. Follow the instructions on the Application till you hear the "Device Activated" notification.
10. After this step, you can use your smart cane standalone or connected to the Application.
11. You can attach the white cane part with the handle of the Cane, via the attached screw on top of the white cane.

 <b>Note</b>	<p><b>CHARGING:</b> Please use a 5V USB DC (Direct Current) charging adapter. Do not use another charging voltage. The voltage of the charger device is generally written on a flat surface of the (AC to DC) adaptor. The Device is designed to protect itself from wrong voltage applications and cut or prevent the charging.</p> <p>However, a wrong voltage application might threaten the battery safety of the device and cause some safety problems.</p> <p>Please use a compliant charger in your country's regulation.</p>
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## 9 Handling of the Device

Wewalk is inspired by the regular white cane form. So please keep using your original cane handling and control techniques. We don't recommend any orientation and mobility techniques in this chapter. The points under this chapter are only suggestions for best usage.

For the best obstacle detection feedback, keep your cane's front (bump area) looking to the front. You can rotate the device in your palm for better handling. When you rotate the front of your cane in any other direction, you'll change the field of view of the sensor. So you may not be notified about the obstacles in front of you, but on your right/left side.

## 10 Using of the Device

### 10.1 Folding the Cane

Your device will come with an attached, flexible lanyard and with an adjustable buckle. You can detach the lanyard according to your preference.

As with the regular cane technique, we do not recommend using the device to walk with the wrist strap (lanyard) around your wrist. If the cane suddenly collides with an obstacle, this may exert excess force on your wrist.

1. Thread the thin loop of string through the wrist strap attachment hole.
2. After the loop is fully threaded, open it and pass the strap handle through the loop. Pull the remainder of the strap handle upwards to secure the wrist strap to the unit.
3. You can fold the cane and use the lanyard and adjustable buckle of your device to bind them together. Be careful when folding/unfolding the cane because of the tension in the elastic cord.

### 10.2 Obstacle Detection

The device will only see the objects which are in the field of view of the sensor. For example:

- When you use your cane in a tilted position around 45 degrees, the area is your front head (over the chest) area.
- When you hold the Cane vertically, the area is your front abdomen or chest area.
- When you rotate the Cane in your hand to the left or right, the area is your right or left side, around your abdomen.

Please get yourself trained for a while, and train yourself for;

- The feedback style of the device
- How and how much rely on the feedback and evaluate the feedback
- Controlling the field of view by rotating and tilting the device with different obstacles.

 <b>Warning</b>	<p>Please test the reliability of the obstacle detection system and don't rely on this functionality, even if it satisfies your expectations.</p> <p>Because of the environmental conditions, the performance of obstacle detection might vary.</p>
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	<p>Please develop a usage style to process the feedback of the obstacle detection. You might not receive feedback about an object like spaced fences or an object with larger holes/gaps. So the absence of feedback don't always a free passage.</p> <p>Granular materials may absorb sound energy from the sensor due to surface variation and/or angle of repose.</p>
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It is not possible for WeWALK's obstacle detection sensor to detect drops at ground level such as stairs, curbs, and holes. It is therefore important to maintain good traditional cane skills when using WeWALK to locate drops. WeWALK may not detect soft fabrics or small obstacles at the limit of the range setting.

### 10.3 Illumination, Sound Adjustments, and Other

Please refer to the [Get Know Your Device](#) section. These functionalities are linked to the button press mentioned in the section.

### 10.4 Smart Features

Smart Features can be obtained by using the Device with the Application, as defined in [Set Up Your Device](#) section. In this section, we'll describe the two interaction method designed to use Smart Features including, turn-by-turn navigation, Nearby Places, Public Transport and Saving Locations.

These smart features are not the part of the Device, but a part of the Application. So Please refer to the Application and available sources in the application to learn up-to-date information. This chapter might give you an initial idea.

#### 10.4.1 Voice Menu

The voice menu allows you to use many of WeWALK's functions such as starting navigation and changing obstacle detection distance without touching your phone. The voice menu can only be used when WeWALK is connected to your phone. To access it, simply tap to the [Enter button](#). You can then press [Up](#) or [Down](#) to access different menu items. To enter or select an item, press to [Enter button](#) again. To go back or exit the menu, press to the [Close Button](#).

You can easily get navigation to previously saved locations via the voice menu. Press Enter to open the voice menu find the "Navigation" item by using Up or Down buttons. (Navigation will come in the 1<sup>st</sup> order in the menu by default, so you might hear Navigation item directly when you enter to the menu.)

When you press Enter, the following items will be located under the navigation menu:

- Start: Press on this will list the previously saved locations. Clicking on one of the listed locations starts navigation to that location.
- “Where am I?” item, will announce your current location.
- “Save location” item, will instantly save your current location.

#### 10.4.2 Voice Assistant

Voice assistant is our brand new, and everyday improving interaction method provided as a part of the Application. Simply press and hold the [Enter button](#). This will activate the microphone and you'll hear a sound when microphone enabled (refer to [Sounds and Indicators](#) sections please) and ready to listen you. After the enablement of the microphone say your prompt and then release the button. The Application will process your prompt and provide the result or options for your query. The Application will include a list of supported queries or actions such as “Take me to my home”, “Find the nearest coffee shop” etc. Please refer to the Application for more information.

## 11 Cleaning of the Device

Please use just soap and a wet cloth to clean your device.

- Don't wash the device under the faucet.
- Don't use abrasives, acids, solvents, or alcohols on the product
- Do not use the hot air.

In case of contact with rainwater or snow, please dry the device with a cloth and keep the device in a dry environment for 48 hours.

The device is a rainwater-resistant product if used with its Case. Submersion/immersion into the water or drink spills contradicts the warranty conditions.

## 12 Operations Conditions

The Device is designed to work between;

- 0 to 40 °C Temperature
- 30% to 75% Relative Humidity
- 70 to 106 kPa Atmospheric Pressure
- -500 m to 2000 m Altitude

If your region has lower or higher weather values, please don't turn on the device. You can use the Device while powered off like a classical white cane in this situation.

Wewalk company might customize the Device for different operating conditions. In this case, Wewalk will declare the new conditions in written form (electronic or physical). If you have additional operating conditions information declared by us, you can use it according to those conditions.

For the transport and storing of your device, keep your device closed between these conditions;

- -40 to 50 °C Temperature
- 10% to 99% Relative Humidity
- 50 to 106 kPa Atmospheric Pressure

 <b>Notice</b>	Please charge your device at least within 3 months to 30 or 40 percent level. Keeping your device in the full charge level or empty charge level for a long time will negatively affect the battery health.
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 <b>Notice</b>	Keep the product away from excessive heat sources.
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 <b>Notice</b>	In order to prevent the risk of electric shock disconnect the product from the power source in extreme weather (storms, lightning, etc.).
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 <b>Notice</b>	Do not drop the product or place any other objects on the product.
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 <b>Notice</b>	To avoid danger, keep plastic bags out of the reach of infants and pets.
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## 13 Warranty Conditions

1. The warranty period starts from the date of invoice of the product and is effective for a period of 1 year.
2. We might define additional warranty periods starting from the date of the activation of your Device. So please check additional campaigns about this. Unless you're a part of additional paid warranty, maintenance or insurance programs, the warranty period is 2 years for EU and ECC region and 1 year for the rest of the world.
3. All goods, including parts, are covered under warranty.
4. Damage arising from misuse of the product or any other use that is contrary to the product's intended purpose, as outlined in this user manual, will not be covered under warranty. Other factors not covered under warranty include accidental damage, damage

resulting from unauthorized 3rd party service repair stations or customer self-repair, cosmetic defects, natural disasters, and theft.

5. The product is ingress-protected against the rainwater if used with the Case. Other cleaning, water, and ingress damages described in the [Cleaning of the Device](#) chapter are contrary to the warranty.
6. If the goods fail within the warranty period, the time expended on repair will be added to the remaining warranty period. The repair duration of the goods is a maximum of 20 business days. This period starts from the date that the customer is notified by the service station that they've received the damaged goods to be repaired. In the absence of a service station, the period will begin from the date that the customer is notified by the seller, dealer, agent, representative, importer or manufacturer that they've received the damaged goods to be repaired. In the event that the product is not repaired within 10 business days, the manufacturer or importer must provide a replacement product with comparable specifications for the use of the customer until the goods are repaired and returned to their owner.
7. If the goods fail within the warranty period due to workmanship and assembly errors, they will be repaired at no cost to the consumer; labor costs, replacement part costs, and any other necessary repair costs will be covered by the seller.
8. If any of the following conditions occur within the warranty period, the customer can exercise their right to a refund or replacement under the warranty.
  - a. More than 1 failure within the warranty period
  - b. Exceeding the maximum time required for its repair,
  - c. If it is determined by the authorized service station, seller, manufacturer, or importer that the defective product is beyond repair, the consumer may request a refund for the defective product at a discount equivalent to the cost of replacement or for a full replacement of an equivalent product. The seller cannot refuse the consumer's demand. If the request is not fulfilled, the seller, manufacturer, and importer will be held accountable.

 <b>Notice</b>	<p>Do not attempt to repair or modify the device yourself or attempt any servicing unless it is in any instructional document prepared by the technical division of the manufacturer. The repair and servicing must be carried out by technical personnel only. Otherwise, your warranty may become void and you may risk your health or your product.</p> <p>When one or more of the below-listed circumstances occur, do not continue to operate the device, turn it off and refer to the nearest authorized service provider:</p> <ul style="list-style-type: none"><li>- If the product is dropped or its case is damaged.</li><li>- If the performance of the product has changed or needs to be repaired.</li><li>- If the product does not operate properly as described in the operating instructions.</li></ul>
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	<ul style="list-style-type: none"> <li>- If a liquid enters the product with an immersion or when objects have fallen into the product.</li> <li>- If an unexpected noise / sound is coming from the product.</li> </ul>
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 <b>Notice</b>	<p>Please keep your (electronic or physical) invoice and additional documents (if you're a part of additional warranty, insurance, maintenance programs), until the end of total warranty period. In case of a problem in our activation records, your documents will define the legal warranty period.</p>
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### 13.1 Repair Service

Wewalk provide a repair and maintenance service. Unless your reseller provide a service, you can contact [info@wewalk.io](mailto:info@wewalk.io) mail address by describing the issue and your service request. Our team will share a contact point for repair, or directly send a courier to investigate the issue.

- If possible, please attach some photos of your Device, to help us quickly evaluate the situation.
- When you [set up your Device](#), your device information will reach us and you'll be able to see your device's serial number from the Application. Alternatively you can write your phone number to your e-mail, and we can check the details of your device from our records created while activating your Device.

## 14 Technical Specifications

<b>Size</b>	29.1 x 35 x 32 cm (For Handle Part)
<b>Radio Band and Power</b>	2.4000 – 2.4835 GHz, x dBm Maximum Power Output
<b>Charging Voltage and Current</b>	5VDC, under 1A, USB Type C
<b>Operation Voltage</b>	5VDC, 200 mA
<b>Battery</b>	3.7 V, 620 mAh
<b>Internals</b>	MEMS Microphone, Audio Amplifier, Obstacle Detection Sensor, Gyroscope, Magnetometer, Compass, Pressure Sensor, Vibration Motor, Led, Battery

## 15 Compliance

### 15.1 CE Compliance with Declaration of Conformity (DoC)



### 15.2 FCC (Federal Communications Commission) Compliance

	<p>Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.</p> <p>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.</p> <p>FCC RF Radiation Exposure Statement:</p> <ol style="list-style-type: none"><li>1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.</li><li>2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment .</li></ol> <p>This equipment should be installed and operated with a minimum distance of 5mm between the radiator and your body.</p>
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### 15.3 Disposing the Batteries in Correct Way

	<p>(Waste Electrical and Electronic Equipment For countries with a separate waste collection system) This sign on the product, its accessories, and the relevant documentation shows that this product and its electronic accessories (for example charger, USB cable) shall not be disposed of with other domestic waste. Please separate this from other waste types to prevent the harmful effect of waste not being disposed of properly has on the environment and human health, and ensure it is recycled so that it can be re-used sustainably. Home users should contact the dealer they purchased the product from or the legal authority for detailed information on where and how they will send the product for environmentally safe disposal. Business users should contact their suppliers and check the provisions and conditions of the purchasing contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.</p> <p>(For countries with a separate waste collection system) The sign on the battery, manual and packaging shows that the battery in this product must not be disposed of with other domestic waste.</p> <p>Chemical symbols like Hg, Cd, or Pb show that the battery includes mercury, cadmium, or lead over the reference value stated in EC Directive 2006/66.</p>
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