

Hable One User Manual for Android

Table of Contents

<i>Hable One Starting Steps</i>	2
Preparation:	2
Step 1: Holding the controller securely	3
Step 2: First time Setup for the Hable One.	3
Step 3: TalkBack gestures with the Hable One	3
Step 4: Typing with the Hable One	4
<i>Problem Fixing</i>	4
<i>Hable Shortcuts</i>	5
<i>Navigation</i>	5
<i>Android App Shortcuts</i>	6
<i>Shortcuts</i>	7
<i>Text editing</i>	8
<i>Hable Menu</i>	9
<i>Battery status</i>	9
<i>The alphabet, letters a to j</i>	10
<i>The alphabet, letters k to t</i>	10
<i>The alphabet, letters u to z</i>	10
<i>Numbers and capital letter</i>	11
<i>Punctuation marks</i>	11
<i>Safety & Compliance</i>	12

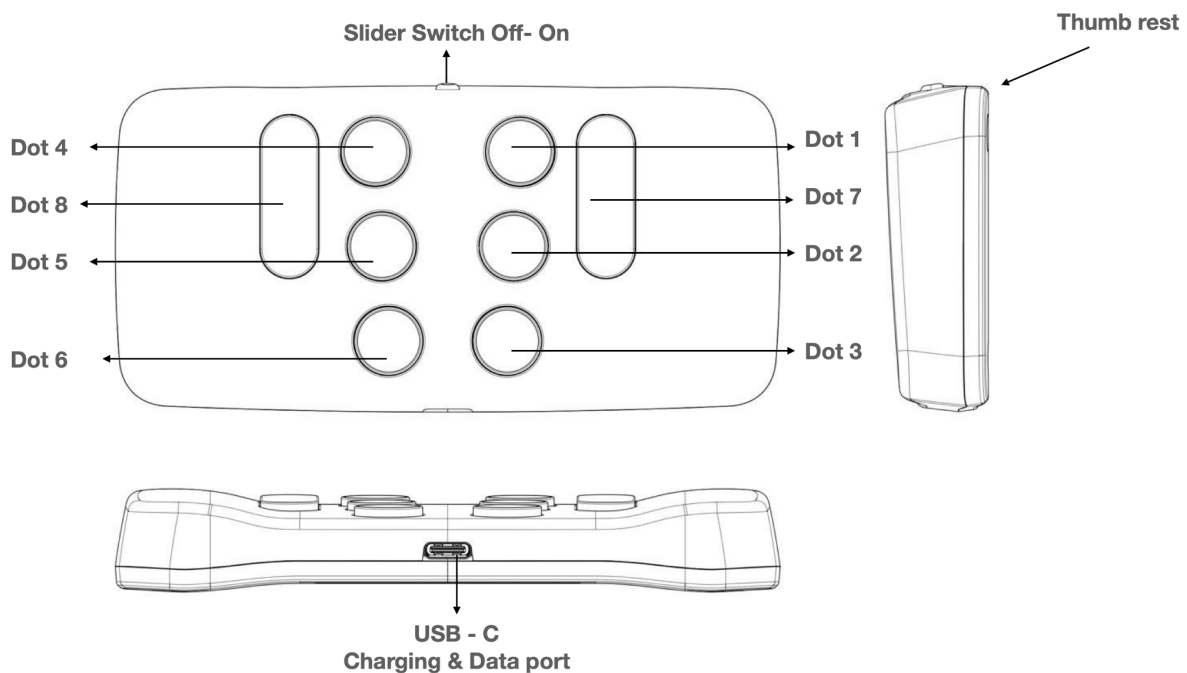
Hable One Starting Steps

Welcome to the Hable One starting guide! The Hable One is a controller that allows you to navigate and type on your mobile phone. Through TalkBack you get feedback while using the Hable One. With the help of this guide, you will be able to use the controller quickly. The starting guide explains how to hold, set up and use the Hable One.

Preparation:

Inside the box you will find the Hable One controller and USB C charging cable. The Hable One controller is around the same size as the iPhone 6, but a little thicker in size for better grip. The controller has 2 sides, the button side and the flat side. The Hable One has a matt black finishing, the middle 6 buttons have a white finishing. Together, this gives the controller a futuristic and modern look.

Figure 1: The Hable One viewed, from the top and side



Step 1: Holding the controller securely

1. While using the Hable One you keep the controller in the air with both of your hands, do not put it on a table or desk.

2. Make sure the on/off slider aims towards the ceiling. The flat back should face you, this way the buttons should automatically face away from you.
3. Keep the controller fixed with both hands. You do this by wrapping your hands around the smaller sides of the Hable One. If you do this correctly your fingers will automatically fall on the middle six buttons. Note that you will press the buttons towards yourself.
4. From now on, each button will be referenced with numbers. The six small buttons are numbered like a braille cell.
5. The three buttons on your left hand are numbered 1, 2 and 3, where button 1 is the closest to the on/ off slider and button 3 is the furthest away.
6. The three buttons on your right hand are numbered 4, 5 and 6, where button 4 is the closest to the on/ off slider and button 6 is the furthest away.
7. Place your left index, middle and ring finger on button 1, 2 and 3.
8. Place your right index, middle and ring finger on button 4, 5 and 6.
9. There are two more buttons, the function keys. On the left side of your left index finger, you find button 7. On the right side of your right index finger, you find button 8.
10. You can also move your left index finger to button 7 and your right index finger to button 8.

Step 2: First time Setup for the Hable One.

1. Make sure that TalkBack is enabled on your phone. You can do this by holding the volume key up and down simultaneously.
2. The Hable One works through Bluetooth. Therefore, first switch on Bluetooth connection on your smartphone. Do this by going to the Bluetooth settings and activating Bluetooth.
3. By moving the slider inwards to the tip, you switch on the Hable One.
4. Now turn on the Hable One. The Hable One is charged when it vibrates on being switched on.
5. Pair the Hable One with the smartphone. The controller's name is "Hable One". If the controller is not visible, try switching the Hable One off and on. When you pair with the Hable One, the Hable One will give a vibration.
6. The first time your Hable One connects to your phone it automatically recognizes if it is on iOS or Android modus. Now if you paired it to an iPhone before, you can manually change the operating system. If you want to know how to do this, go to the section after these starting step called: **Problem fixing**.

Step 3: TalkBack gestures with the Hable One

1. First it is necessary to go back to the home screen. Do this by **long pressing** (this means holding the buttons for a longer period at the same time) the braille letter H from Home. These are buttons 1, 2 and 5 at the same time.
2. Now you can move to the next item by holding button 7 and tapping button 8 once. By pressing button 8 shortly again, you will keep hopping to the next item.
3. To move an item backwards, hold button 8 and press button 7 once. Again, you can keep tapping button 7 to move faster backwards through items.
4. To activate an item, press buttons 7 and 8 simultaneously. Do this to open an app.

5. If you want to move one level back, hold the braille letter B from Back. These are buttons 1 and 2 at the same time.
6. Let's practice navigating by navigating to and opening your contacts app. Opening can be done by briefly pressing buttons 7 and 8 simultaneously.
7. Navigate through the contacts app and open a contact of your choice.
8. Now go back to the contacts app by using the back function. This can be done by pressing buttons 1 and 2 simultaneously.
9. Finally, use the home function to return to the home screen. This can be done by pressing buttons 1, 2 and 5 simultaneously.
10. Congratulations, you can now fully navigate through your phone! Now, there are a lot more advanced functions that will make your life easier, so make sure to read the entire manual after following all the steps in this document.

Step 4: Typing with the Hable One

1. Now you can navigate the Hable One, you can start practicing typing. First navigate to your note taking app and open it.
2. To type space, press button 8 once.
3. For backspace, press 7.
4. For enter, press 4 and 8 simultaneously.
5. For numbers first press the number sign: button 3,4,5 and 6.
6. For capitals, type the capital sign: 4 and 6.
7. Now typing works the same as with braille.
8. If you are unfamiliar with the braille alphabet, an overview of the different letters, numbers and punctuations is provided later in the document.

You have now reached the end of the starting steps. We hope that everything is clear so far and that you can get started with the Hable One quickly. Read on for some of the common problems and how to fix them! We highly recommend you also read the entire manual, since there are many more shortcuts and functions which will increase your speed by a lot. Good luck, have fun and remember to always stay in control.

Problem Fixing

This section gives an overview of the three most common faced problems and how to fix them:

1. My Hable One is not working, I cannot navigate using the Hable One. Possible solutions:
 - a. Make sure the Hable One is connected via Bluetooth and that TalkBack is enabled.
 - b. Make sure the Hable One is in Android mode. To check this, go to the Hable menu by holding all the braille buttons (button 1 to 6). Once you feel a vibration you are on the menu. Now hold button 1 for Android stance (you feel 3 vibrations) and hold button 2 for iOS stance (you feel 2 vibrations).
 - c. If you do not feel any vibrations, the Hable One might be out of battery and you need to recharge.

- d. If all of this is not working, try to remove the Hable One from your Bluetooth, together with all other Bluetooth devices and connect the Hable One again.
2. When I am typing it gives me different letters than what I am used to.
 - a. First, make sure that you are holding the Hable One correctly. Button one should be on your left index finger, button 2 on your left middle finger and button 3 on your left ring finger. The same on your other hand.
 - b. Make sure the Hable One is in the right language. To check go the Hable Menu by long pressing all 6 buttons (button 1 to 6). Now you can select a language. Hold the D for Dutch, hold the B for Belgium, the E for UEB (English) or the G for German.
3. I cannot unlock my phone using the Hable One.
 - a. Often you first need to navigate to the part where you enter your code, here first confirm that you are going to enter it by pressing button 7 and 8 at the same time. Now press the numbers sign (button 3,4,5 and 6 at the same time). From here you can simply press your code and the screen should unlock.
 - b. Note that you might not hear the sound of the numbers you are pressing.

Hable Shortcuts

Pause Reading	Hold 1
Google Now	Hold 2
Recent Apps	Hold 3
App Category Opener	Hold 4
Context Menu Global	Hold 5
Context Menu Local	Hold 6

Navigation

Item next	Hold 7 and Press 8
Item previous	Hold 8 and Press 7
Select item	Press 7 and 8 (or Hold 7 and 8)
Item below	Hold 7 and Press 6 (note: this can also be next item based on your current Android version, therefore it might not work for all items)
Item above	Hold 8 and Press 3 (note: this can also be previous item based on your current Android version, therefore it might not work for all items)

Next item in list	Press 2,4 and 8
Previous item in list	Press 2,4 and 7
Go to the next App	Hold 2 and 3
Go to the previous App	Hold 5 and 6
Jump to begin of line	Hold 1 and 3
Jump to end of line	Hold 4 and 6
Move page up	Hold 2,3 and 6
Move page down	Hold 3,5 and 6
Jump to first item	Hold 1,2 and 3
Jump to last item	Hold 4,5 and 6
Switch tab forward	Hold 2,3,4 and 5
Switch tab backward	Hold 1,2,5 and 6
Tab forward	Hold 7 and Press 4 and 5
Tab backward	Hold 8 and Press 1 and 2

Android App Shortcuts

For all these shortcuts you first need to start the app category opener by holding 4.

Open Calculator	Hold 1
Open Browser	Hold 1 and 2
Open Calender	Hold 1,2 and 3
Open Contacts	Hold 1 and 4
Open Mail	Hold 1 and 5
Open Maps	Hold 1,3 and 4
Open Music	Hold 1,2,3 and 4
Open SMS	Hold 2,3 and 4

Shortcuts

Volume down	Hold 1,2 and 6 (repeatable)
Volume up	Hold 3,4 and 5 (repeatable)
Back	Hold 1 and 2 ('b')
Close tap	Hold 2,3 and 5
Homescreen	Hold 1,2 and 5 ('h')
Lock screen	Hold 2 and 5
Long press item	Hold 5 and 8
Mute	Hold 1,3 and 4
Start new	Hold 1,3,4,5 and 8
New tab	Hold 2,5 and 6
Notifications	Hold 1,3,4,5 ('n')
Play or Pause	Hold 1,2,3 and 4 ('p')
Read from next	Hold 1,2,3 and 5
Read from top	Hold 2,4,5 and 6
Search (normal)	Hold 1,2,4 and 8
Search (screen)	Hold 1,2 and 4 ('f')
Open next window	Hold 2,3 and 4
Switch keyboard	Hold 1,5 and 6
Show actions	Hold 1 and 6
Toggle TalkBack	Hold 3 and 4

Text editing

Go to next character	Hold 7 and Press 4
Go to previous character	Hold 8 and Press 1
Select text to the left	Hold 8 and Press 1 and 3
Select text to the right	Hold 7 and Press 4 and 6
Select text line above	Hold 8 and Press 1,2 and 3
Select text line below	Hold 7 and Press 4,5 and 6
Go to next word	Hold 7 and Press 5
Go to previous word	Hold 8 and Press 2
Undo	Hold 1,3,5 and 6 ('z')
Redo	Hold 2,3,4 and 6 ('y')
Bold text	Hold 1,2 and 8
Cursive text	Hold 2,4 and 8
Copy	Hold 1 and 4 ('c')
Cut	Hold 1,3,4 and 6 ('x')
Paste	Hold 1,2,3 and 6 ('v')
Print	Hold 1,2,3,4 and 8
Select all	Hold 2,3,5 and 6

Hable Menu

The Hable One also has its own menu. This can be used to change the operating system, to change the language or the time it takes before a long press gets registered. When you open the Hable Menu and perform an action, the menu automatically closes.

Open the Hable Menu	Hold 1,2,3,4,5 and 6
All next items only work once you entered the Hable Menu	
Set Operating System as Android	Hold 1
Set Operating System as iOS	Hold 2
Delete all Bluetooth Bonds	Hold 1,2,3 and 5 ('r')
Cycle the 'holding time duration' (this can be interesting for the faster Hable One user and might increase your speed)	Hold 2,3 and 4 ('s')
Set Hable One language to Dutch	Hold 1,4 and 5 ('d')
Set Hable One language to Belgium	Hold 1 and 2 ('b')
Set Hable One language to Unified English Braille (UEB)	Hold 1 and 5 ('e')

Battery status

You can check the battery status by holding 3 and 6. The status is determined by the number of vibrations:

- 3 vibrations: High battery level
- 2 vibrations: Medium battery level
- 1 vibration Low battery level
- No vibrations mean that Hable needs to be charged

The alphabet, letters a to j

1. The first part of the alphabet is the letter a to j.
2. For a, press 1.
3. For b, press 1 and 2 simultaneously.
4. For c, press 1 and 4 simultaneously.
5. For d, press 1, 4 and 5 simultaneously.
6. For e, press 1 and 5 simultaneously.
7. For f, press 1, 2 and 4 simultaneously.
8. For g, press 1, 2, 4 and 5 simultaneously.
9. For h, press 1, 2 and 5 simultaneously.
10. For i, press 2 and 4 simultaneously.
11. For j, press 2, 4 and 5 simultaneously.

The alphabet, letters K to T

1. The following 10 letters: k, l, m, n, o, p, q, r, s, t, are almost the same as the first 10 letters: a, b, c, d, e, f, g, h, i, j. The only difference is that button 3 is added to each letter.
2. For k, press 1 and 3 simultaneously.
3. For l, press 1, 2 and 3 simultaneously.
4. For m, press 1, 3 and 4 simultaneously.
5. For n, press 1, 3, 4 and 5 simultaneously.
6. For o, press 1, 3 and 5 simultaneously.
7. For p, press 1, 2, 3 and 4 simultaneously.
8. For q, press 1, 2, 3, 4 and 5 simultaneously.
9. For r, press 1, 2, 3 and 5 simultaneously.
10. For s, press 2, 3 and 4 simultaneously.
11. For t, press 2, 3, 4 and 5 simultaneously.

The alphabet, letters u to z

1. The last 6 letters of the alphabet are not similar to previous letters.
2. For u, press 1, 3 and 6 at the same time.
3. For v, press 1, 2, 3 and 6 simultaneously.
4. For w, press 2, 4, 5 and 6 simultaneously.
5. For x, press 1, 3, 4 and 6 simultaneously.
6. For y, press 1, 3, 4, 5 and 6 simultaneously.
7. For z, press 1, 3, 5 and 6 simultaneously.

Numbers and capital letter

1. The numbers 1-9 and 0 are typed the same as the letters A to J. The only difference is that you must type the number character before it. Type this character by pressing 3, 4, 5 and 6 at the same time. So first press the number character, then the number. You will stay in number mode until you press a space.
2. For an uppercase letter, press the uppercase character for the letter you want to capitalize. For the uppercase character, press 4 and 6 at the same time. You have to use the capital sign every time you want to type a new capital letter.
3. Here is a list with the numbers.
4. For number 1, press 1.
5. For number 2, press 1 and 2 simultaneously.
6. For number 3, press 1 and 4 simultaneously.
7. For number 4, press 1, 4 and 5 simultaneously.
8. For number 5, press 1 and 5 simultaneously.
9. For number 6, press 1, 2 and 4 simultaneously.
10. For number 7, press 1, 2, 4 and 5 simultaneously.
11. For number 8, press 1, 2 and 5 simultaneously.
12. For number 9, press 2 and 4 simultaneously.
13. For number 0, press 2, 4 and 5 simultaneously.

Punctuation marks

1. The last step with typing is the punctuation marks.
2. For a comma, press 2.
3. For one point, press 2, 5 and 6 at the same time.
4. For a question mark, press 2 and 6 at the same time.
5. For an exclamation mark, press 2, 3 and 5 at the same time.
6. For the @ sign, first press and release 5 once, then press buttons 3, 4 and 5 simultaneously.

Product Specifications

Weight	100 grams
Dimensions (L.B.H)	120 x 65 x 32 mm
OS Support	iOS (iPhone & iPad): Voiceover Android: TalkBack Mac OS: Writing support Windows: Writing support
Braille Input Keys	6-dot braille input
Languages Supportes	UEB (contracted; uncontracted), Dutch, German, Italian, Spanish, French
Interfaces & Ports	1 Micro USB-C, Firmware upgrades and battery storage, Bluetooth V5, Slider Switch
Battery	Non-replaceable, Lithium-ion battery
Battery Life	10 days of typical use
Charging Method	PC charger: Charge over USB Port – 5V, 500 mA Max Wall charger: Charge over USB Port – 5V, 1000 mA Max;

Environmental Conditions	Operational Temperature: 5 °C to 45 °C Humidity: 10% - 70% relative humidity Storage Temperature: -15 °C to 70 °C Humidity: 5% - 90% relative humidity
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Safety & Compliance

Thank you for purchasing the Hable One™ product (the **Product**). With this document we aim to inform you about the safety, compliance and warranty aspects of the Product.

Important Safety Instructions

General warnings



Read, keep and follow these instructions.

Heed all warnings.

- Do not use the Product near water. This can result in a risk of fire or electric shock.
- Substances in the Product and its battery may harm the environment or cause injury if handled and disposed of improperly.
- Clean only with dry cloth. Do not use abrasive cleaners.
- Do not block any ventilation openings.
- Do not use or dispose of the Product at any heat sources, such as radiators, stoves and other apparatus that produce heat. Turn off the product when it feels warm or hot.
- Only use attachments/accessories specified by Hable, or sold with the Product (such as USB-C cable).
- Refer all servicing to qualified service personnel. Do not open the Product yourself. Servicing is required when the Product has been damaged in any way, e.g. when the charging port is defective or when liquid is spilled over the Product.
- The Product may not be used by persons under the age of 8.
- Long periods of repetitive motion using the Product may be associated with nerve, tendon or muscle injury in your hands, wrists, arms, shoulders, neck or back. See a qualified health professional for pain, numbness, weakness, swelling, burning, cramping, stiffness or or any other medical discomfort that may occur when using the Product.

Specific battery warning

Do not attempt to replace the battery or open the enclosure or disassemble the Product yourself. Doing so will void the warranty and can result in a safety hazard. If the Product is no longer charging, please contact Hable Customer Support for repair or replacement information.

Disposal and Recycling information

Because of the battery incorporated in the Product, the Product may not be disposed with ordinary household waste.



Regulatory Compliance Statements



Hable is authorized to apply the UKCA Mark on the Product. The following Directives and Standards have been applied:

- 2011/65/EU
- 2012/19/EU
- 2006/66/EC
- 1907/2006
- 2014/53/EU

Warranty

The Limited Warranty Policy (**LWP**) for Hable One Products applies to the delivery of the Product. Provided that for customers (any natural person acting for purposes which are outside his trade, business or profession) under UK law the Warranty Period (as defined in the LWP) is 6 years in England, Wales and Northern Ireland and 5 years in Scotland. The customer may choose which Warranty Services (as defined in the LWP) are desirable. During the repair or replacement of the Product, the Warranty Period shall be suspended.