

Quick guide to use LETIsmart VOCE

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LETIsmart VOCE replaces the handle of your usual white cane and allows you to provide vocal information of urban orientation and interact with the territory by identifying, with a specific directional and personalized sound signal, which we will define LETIsmart, the exact destination point.

On the LETIsmart VOCE handle there are only two buttons, the first positioned towards the tip of the white stick, which we will define BUTTON 1 and the second, positioned towards the person, which we will define BUTTON 2.

Power on

To activate the system, simply press BUTTON 1 briefly and wait a few seconds.

Shutdown

To deactivate the system, simply hold down BUTTON 2 for a couple of seconds, you will hear the message "system in shutdown**".**

Note: when the system is off, part of the logic remains active, therefore it is normal that, albeit more slowly, there is a progressive discharge of the battery.

Configuration menu

Before starting to use the LETIsmart VOCE let's get to know the configuration menu that allows us to customize our system according to our needs.

To enter the configuration menu, simply press and hold **BUTTON 1** for 1.5 seconds, you will hear two short vibrations followed by the vocal indication "mode" which is the first item on the menu. To scroll through the menu items, simply press **BUTTON 1** repeatedly, the various options will be heard cyclically, which are:

"MODE" that allows us to choose the type of information that the system must communicate to us while we use it, on which we will deepen later.

"VOLUME" which allows us to choose between 5 volume levels of the integrated speaker or connected earphone.

"BATTERY STATUS" which indicates the battery charge level on four values; from 1 to 4.

"SPEED" which allows me to adjust the speech speed of speech synthesis on 5 levels.

"NOTICE" that allows me to choose between a vibration or a tone to ask for attention when the system intends to communicate something to me.

"LANGUAGE" allows you to choose the language in which the system communicates voice instructions, you can choose 6 languages: Italian, French, Spanish, German, UK English, US English.

"SERIAL NUMBER" indicates the serial number of the device and the version of the software installed, to be used only upon request from the technical assistance service.

To enter the submenu of the selected function, simply select it with **BUTTON 1**, for example "VOLUME" and then, pressing **BUTTON 2**, the item will indicate the current volume level, for example "volume 3" and at this point I can use both buttons to increase or decrease the values. When I have selected the correct value, just let a

couple of seconds pass and, with a double vibration, the system will indicate that I have saved the parameter I have chosen and that I have exited the configuration menu.

How to use LETIsmart VOCE

Once we have customized our LETIsmart VOCE, we now begin to use it in a practical way and at this stage it will be important to correctly set the MODE, for this reason this function has been placed as the first option of the configuration menu. As explained above, just hold down BUTTON 1 for 1.5 seconds and you will hear "MODE" vocally, at this point we immediately press BUTTON 2 to know the mode in which the system is operating, for example "URBAN INFORMATION" and, as explained before, by pressing BUTTON 2 we will choose the next option and by pressing BUTTON 1 we will select the previous information. In the event that you have not heard correctly or want to listen to the latest information communicated by the system, just press BUTTON 1, with each consecutive press he will repeat the information just provided.

We now focus carefully on understanding the different operating options that determine the correct use in different situations:

"URBAN INFORMATION "

In this mode, the system informs us of the presence of assisted traffic lights, tourist and orientation information, dangerous situations or work in progress in the vicinity. This is a method that should be recommended to those who routinely travel on the

same road route and where they want to receive from the system only information useful for their movement and safety.

Interaction with the information received:

"Semaphore via carducci" means that you are approaching the booking button of an assisted semaphore which provides for a single crossing at an angle of 90 degrees to the sidewalk. A simple situation that does not require the tactile reading of the direction arrow for the angle of the crossing. In this case, the booking system can be activated directly from the LETIsmart by pressing **BUTTON 2** as if you had physically touched the appropriate button located on the pole of the traffic light itself. The booking signal will allow us to identify the position of the pole in relation to us, we can repeatedly press **BUTTON 2** in case we need to hear the booking signal coming from the button on the traffic light. This mode is very convenient because it allows the blind person not to have to search for the traffic light pole but presupposes the awareness of having to pay more attention when crossing. On some traffic light systems, this booking method directly from the LETIsmart activates a different timing of the traffic light intersection which allows the blind or disabled person to face the crossing in greater safety.

"Piazza Tommaseo traffic light group" It means that you are in a square or area with a series of traffic lights that have a certain complexity and are difficult to describe vocally, consequently they need to read the direction arrow on the booking button, in this case by pressing the **BUTTON 2** sound indications will be activated on the booking buttons to allow you to reach the booking

button more easily and interact from it in the traditional way.

"caution! Adjacent work in progress" this signal indicates that you are approaching delimitations that could represent an obstacle or construction site signaling devices or a dangerous situation, at this point, by pressing **BUTTON 2** you activate the classic customized acoustic signal **LETIsmart** and the system will show you the number of pulses that identify your specific request, normally **"sound activated at 5 pulses"**, the value of which may change in the event of simultaneous bookings of multiple systems nearby, which is rare but possible.

"FAVORITE BUSES"

This is a mode that must be activated only when you are at a stop and you want the system to inform me about the arrival of the most frequently booked buses. When we select this mode the system informs us about the city and the lines that we have booked most frequently over the past month, first he will read the lines on the list so as to be sure that the line we are waiting for is present, this is a very convenient function that avoids having to listen to too much information in areas where many public transport pass. For the operational part, we refer you to the **"bus and taxi"** mode.

"BUS AND TAXI"

This is a mode that must be activated only when you are at a stop and you want to know which bus, or what number of taxis, is coming. The system detects the bus while it is approaching the stop and it vocally communicates what is written on the vehicle's front

display board, ie number and direction, for example **"line 20 central station"**, in this way I can choose to ignore the information if it is not the race that interests me, on the other hand, I immediately press **BUTTON 2** to activate the classic personalized acoustic signal **LETIsmart** which is activated inside the vehicle and makes the driver understand that there is a person who has booked the vehicle from the stop, such as if we had booked on board. When it arrives at the stop and I have to get on, I can press **BUTTON 2** again to reactivate the acoustic signal that will sound near the front entrance door and allow me to reach it following the sound. The acoustic signal lasts about 20 seconds but can be restarted several times by always pressing **BUTTON 2**. For each booking I will receive a confirmation message. If you receive more consecutive information on the incoming lines, you can listen to the messages in reverse sequence by repeatedly pressing **BUTTON 1** and, once the information of interest has been identified, book it with **BUTTON 2**. It must be specified that this mode works on vehicles in movement and with a communication system which, although very sophisticated, is based on radio waves that can be subject to intensity variations due to various factors that can be frequent in the urban environment.

"URBAN AND COMMERCIAL INFORMATION"

Very similar to the first **"urban information"** mode but with the addition of information relating to shops, points of interest, schools, museums, churches etc. As in the previous cases, we can listen to the message received by pressing **BUTTON 1** and we can activate a personalized acoustic signal on the exact destination point such as the store entrance door. Also in this case

the system will confirm the reservation and indicate the number of pulses of our personalized acoustic signal. Also in this case I can reactivate the sound signal by pressing **BUTTON 2**.

"INSIDE"

The rules of the previous methods apply and are used to identify more detailed information inside a building, museum, school, hospital or department store.

Whenever I receive information that interests me, I can press **BUTTON 2** to activate the LETIsmart personalized acoustic signal that will allow me to reach the exact destination point.

"ALL MODALITIES INCLUDED"

All the rules of the previous modes apply and you receive all the identifications that surround us unfiltered from the mode menu. It is used where there is little information and therefore does not affect a possible confusion allowing not to have to change the modalities for example between "**urban information**" or "**internal**" or "**buses and taxis**" but to receive all.

Maintenance

The LETIsmart VOCE device does not require computer connections, updates or special maintenance, simply recharge the battery with the supplied power supply by connecting the cable to the microUSB port placed on the head of the device, you will receive, within a few seconds, the voice message "**Battery charging**", leave the device on charge for at least 4 hours, if the device

remains charged for a longer time the system safeguards the correct management of the battery. When you disconnect the power cable, the device will inform you with the "**battery charger disconnected**" message. The intended use after a full charge varies from 6 to 12 hours, when the battery charge is about to run out, the system will signal with the message "**low battery, connect the charger**", at which point the system will continue to operate in an energy saving mode by slowing down the reactivity in some phases.

Notes on languages

The messages indicated in this manual are in Italian, if you choose a different language some parts of the message that we have indicated in red will be translated, for example "**line twenty central station**" will be translated into Italian as "**linea 20 stazione centrale**", vice versa "**Miramare shop**" will be translated "**Miramare negozio**".

Information & Assistance:

For correct use, training is required by a qualified Orientation and Mobility instructor.

For any doubts, please contact support:

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