



TKS

tk^s-technology.dk

MOBILITY &

LET'S CREATE A CONNECTION
THAT MAKES YOUR DAY EASIER



INTRODUCTION



THE ITONGUE® device fits inside the mouth, like a brace, and is controlled by the user's tongue, meaning it can be used by people with a high level of spinal cord injury who are unable to operate conventional controllers, because the tongue is controlled directly by the brain, not through the spinal cord.

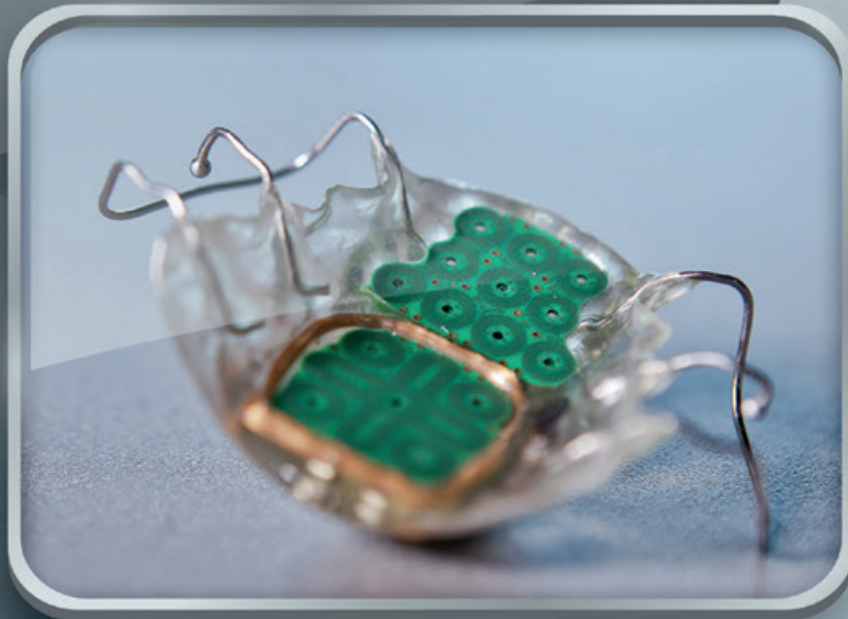
IHANDLE® is a finger-controlled device which works in the same way as Itongue®, but outside the mouth. It is made for paralyzed people with very little movement left in one finger, and has capabilities way past those of a normal keyboard and mouse control unit.

ICTRL® is a finger-controlled device which works as an app on a Smartphone or a Tablet. This gives the user a possibility to control the electrical wheelchair directly from the Smartphone. We believe that users of electrical wheelchairs are using smartphones and tablets, so why not make it easy and take away all the control units sitting on the electrical wheelchair.

TKS is a company based in Aalborg, Denmark.

We have developed a new technology which, in many cases, makes life easier for people with low or no mobility. Our ambition is to provide solutions for our users, so they can obtain high quality of life with active use of the internet, Smart-Home control and being part of the digital society and workforce.

ITONGUE®



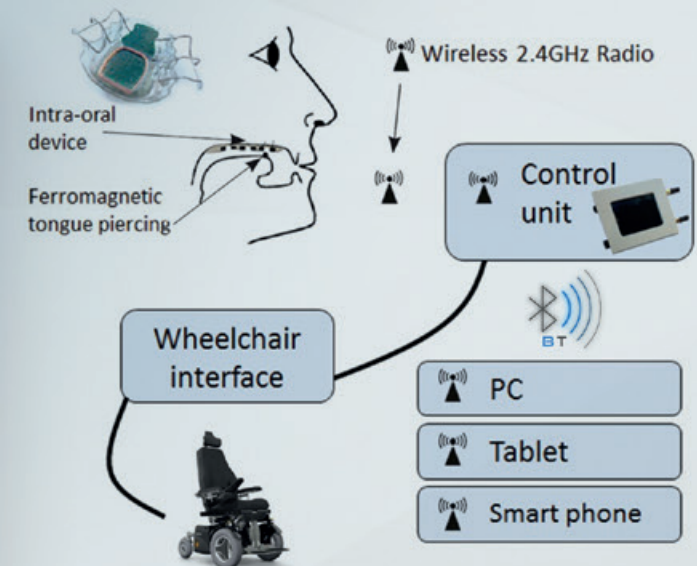
You can use your computer, control your tablet and Smartphone via Bluetooth by the use of the tongue. You can drive and control your wheelchair by the use of your tongue.

This system is made for people with low or no mobility in arms or legs. It follows the user and not the hardware. The front of the mouth device is a keyboard and the back part is a mouse pad.

Testing if you can use the system is easy. If you can count and touch your teeth, you will be able to use the system.

The device comprises two pads. The top one, with 10 sensors, it is a keyboard. It is used to write out messages on a computer, for example, and works in the same way as texting on an T9 system mobile phone, with the “number 2” position responsible for the letters A, B and C if pressed once, - You hold it and it will shift by itself on and adjustable Dwell time depending on the users and their training. Upon that we put a word prediction system that calculates the words just like on a modern Tablet or a Smartphone. The bottom pad consists of eight sensors, which indicate direction and can be used to control both a mouse on a PC, a Tablet, a Smartphone or a wheelchair.

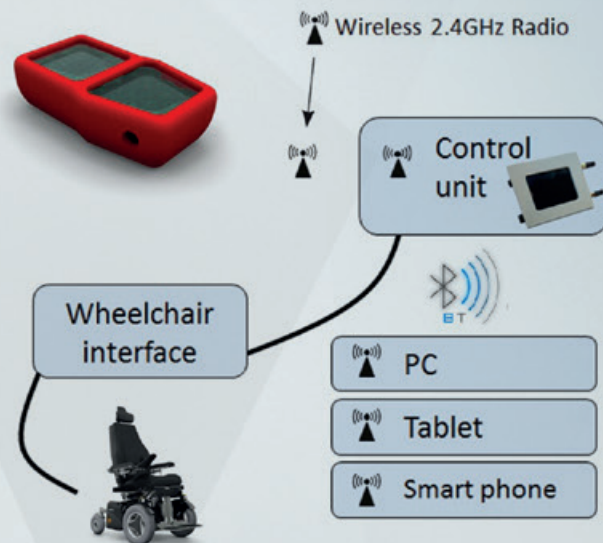
THE ITONGUE® is made for people with no or low mobility in their arms and the use of the tip of the tongue is quite muscle-consuming, and the best solution to overcome this task is a tongue piercing. This gives the user both a high precision and is less muscle-consuming. A lot of paralyzed people don't have a lot of muscle durability, so they quite rapidly grow weak using the tongue. There are significant benefits of the piercing – the use of muscles is reduced and the device becomes easier to work with than without.



IHANDLE®

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IHANDLE® is made for people with low mobility in their arms, legs or a limb.



You can use your computer, control your tablet and Smartphone via Bluetooth by the use of a fingertip or a limb.

You can drive and control your wheelchair by the use of your finger or a limb.

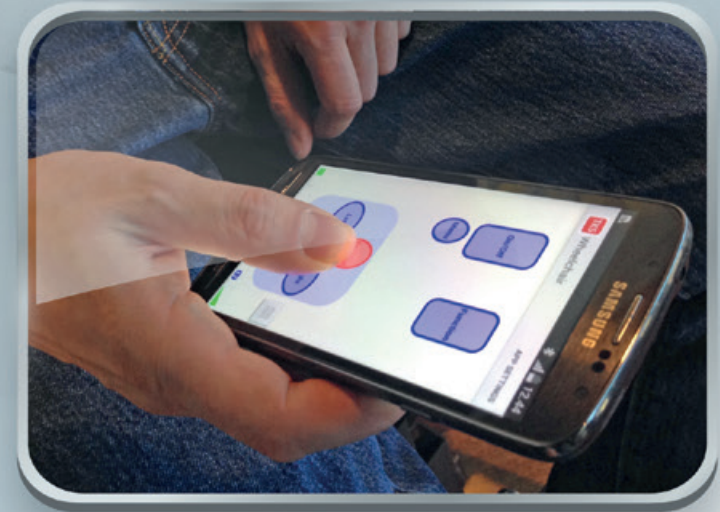
This system is made for people with low mobility in a finger or a limb. It follows the user and not the hardware.

The front of the device is a keyboard and the back part is a mouse pad.

Ihandle®

Ihandle® is CE Approved





ICTRL® is a finger-controlled device which works as an app on a Smartphone or a Tablet. This gives the user a possibility to control the electrical wheelchair directly from the Smartphone. We believe that users of electrical wheelchairs are using smartphones and tablets, so why not make it easy and take away all the control units sitting on the electrical wheelchair.

ICTRL® is made for people who are using an electrical wheelchair and have mobility in their hands.

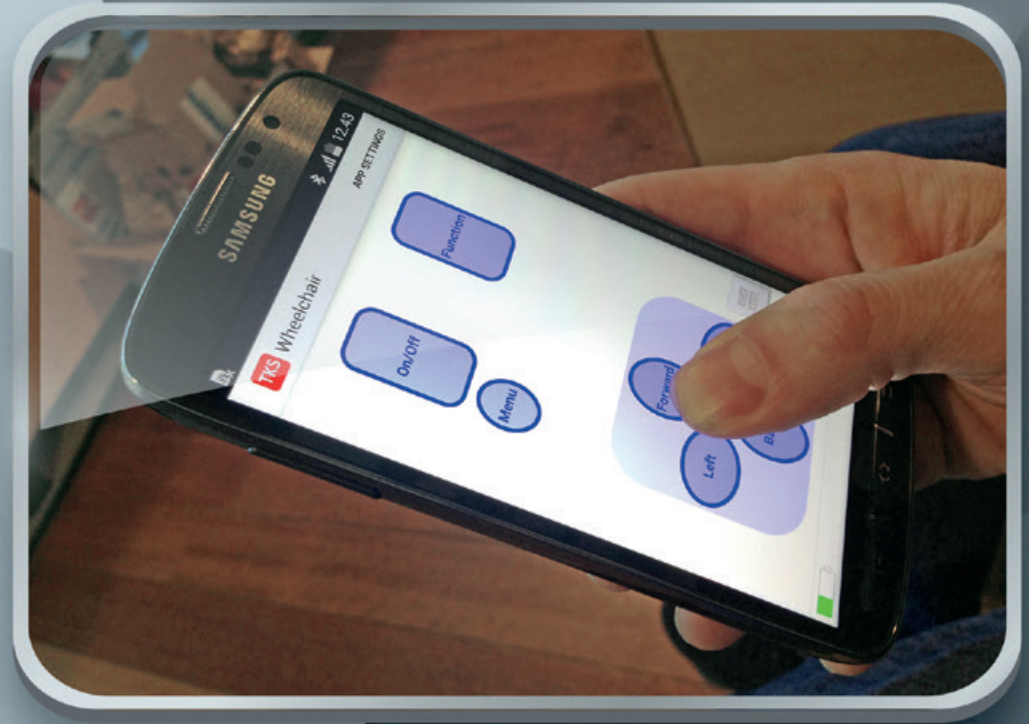
You can use your computer, control your tablet and Smartphone via Bluetooth.

You can drive and control your wheelchair by the use of your finger directly on your Smart device.



CONNECTION &

Keep going. There are lots of features and ways to work online, control your wheelchair and other wireless units. Our App helps you integrate your systems in to one unit.

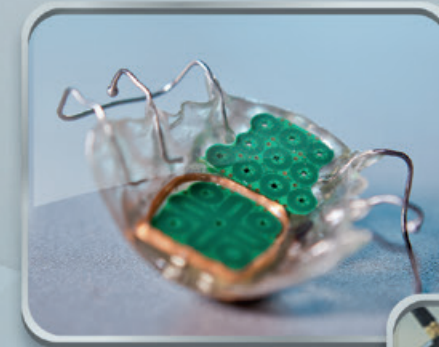


YouTube



ADVANTAGES OF USING OUR SYSTEMS &

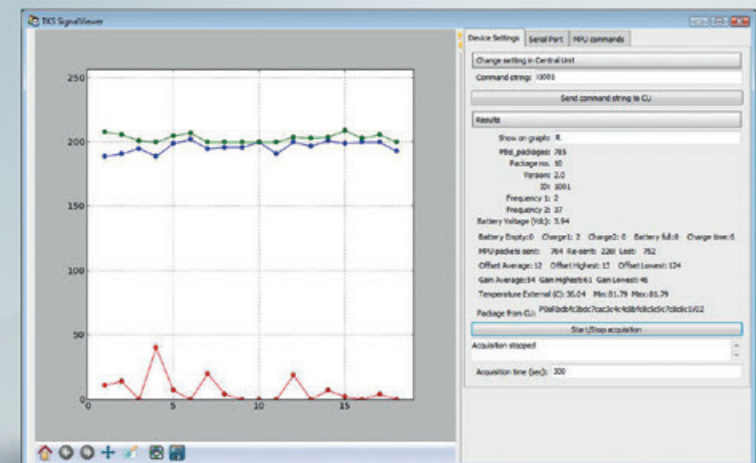
- Invisible systems integrated in your appearance.
- Follows the user not the Hardware.
- Integrated keyboard and mouse pad in one system.
- App's for smart-home control.
- Learning program.
- Video training sessions.
- Getting started and setup help.



SUPPORT &

It is easy to make corrections in the systems. The system is build up, so it gives the possibility to get support wherever you are, as long as you have an internet connection.

In case you need another configuration it can be made online.



MOBILITY &

TKS A/S is a company located in Aalborg in the northern part of Denmark. Our Itongue® product is a spinoff product from research at the University of Aalborg (AAU).

Our products are patented and CE certified according to the I3485 standard.

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