



WEARABLE SENSOR TECHNOLOGY LIKE NO OTHER

The NeuroNode is the world's only wireless, wearable sensor that gives the user the ability to access their technology by bioelectric signals or spatial movements.

Unlike any other sensor, the NeuroNode uses the body's EMG signals or 3D spatial awareness to give the user control. Individuals can access their computer, phone, tablet, and more with the NeuroNode.

The NeuroNode is flexible and doesn't require a specific body position or lighting conditions to activate. The one-of-a-kind technology gives individuals control over their surroundings.

Ideal for those with degenerative neurological conditions, spinal cord injuries, cerebral palsy, and other conditions with movement restrictions, the NeuroNode gives users the independence to make life-changing connections.

Control Bionics offers a suite of dedicated speech generating devices and accessories to give people living with complex communication and physical needs their voice.

Our product range is more intuitive and flexible than ever.

CONTROLBIONICS.COM
(855) 831-7521



EMG TECHNOLOGY

Identify the intent of muscle activity, recognizing even the slightest electrical impulse.



SPATIAL OPTION

Turns movement into a selection on a device, no matter how big or small.



WEARABLE AND WIRELESS

Place the NeuroNode anywhere on the body to get an electrical signal or spatial recognition.



CONTROLLER APP

The NeuroNode Controller App connects the NeuroNode and device via Bluetooth.



24/7 SUPPORT

The user will always have a resource to help with their device.

EMG TECHNOLOGY

EMG, or electromyography, is the measurement of electrical activity associated with the activation of a muscle group. The NeuroNode uses EMG technology to identify the intent of muscle activity, recognizing even the slightest electrical impulse. It gives the user full control with the slightest movement, or even intent of movement.

SPATIAL TECHNOLOGY

With traditional switches, users must move to a specific point to make their activation. Initiating and timing this movement can be hard. With the NeuroNode, the sensor is wearable and can be anywhere in space when the activation movement is made, removing the requirement to move to the switch first. This results in less effort and movement than traditional switches.

WEARABLE AND WIRELESS

The NeuroNode is completely wireless, allowing it to be placed on the user at any muscle location that works creates a signal. The flexibility is key for giving the user options and control.

The NeuroNode attaches to the user with an adjustable band or adhesive electrodes, depending on placement location and movement ability. This allows the user flexibility depending on time of day, range of motion, or disease progression.

CONTROLLER APP

The NeuroNode Controller Application allows the user to adjust parameters and monitor the EMG/Spatial signal activity to ensure optimal signal outcomes for efficient and effective control of the user's device.

Within the controller app is a graph that works with the NeuroNode to present visual and auditory feedback as well as a real-time measurement of the user's signaling ability, making calibration and customization a quick and easy process.

This application gives visibility to the level of signal a user is emitting, allowing for easy adjustments to the system to make the user more accurate. Once the settings are made, the user can save the profile for easy access the next time they use the device.

24/7 SUPPORT

We can support a NeuroNode user anywhere in the world via email, phone, or internet-enabled virtual visit. Access to our network of support that allows the user to get back to controlling as soon as possible.

DO MORE WITH LESS

When paired with the Cosmos Connect, the NeuroNode sensor supports intuitive interaction with a variety of personal control devices giving the user more independence with a single movement. The Cosmos Connect, a small, portable device controls to 8 wired outputs and one Bluetooth output through a single NeuroNode sensor.

