

## Reclaim Your Life After Stroke

The IpsiHand is a breakthrough “thought-driven” brain-computer interface device intended to accelerate motor recovery of the affected upper limb after chronic stroke. The IpsiHand System is a prescription medical device.

### How the IpsiHand System Works



**CONTRAINDICATIONS**

The Neuroolutions System is contraindicated for use in patients having any of the following conditions:

- Severe spasticity or rigid contractures in the wrist and/or digits that would prevent the Neuroolutions Handpiece from being properly fit or positioned for use.
- Skull defects due to craniotomy or craniectomy.

(1) QRS-008, QRS-012, & QRS-013; (2) Bundy DT, Souders L, Baranyai K, Leonard L, Schalk G, Coker R, Moran DW, Huskey T, Leuthardt EC. Contralateral Brain-Computer Interface Control of a Powered Exoskeleton for Motor Recovery in Chronic Stroke Survivors. Stroke. 2017 Jul;48(7):1908-1915. doi: 10.1161/STROKEAHA.116.016304. Epub 2017 May 26. PMID: 28550098; PMCID: PMC5482564. Contralateral Brain-Computer Interface Control of a Powered Exoskeleton for Motor Recovery in Chronic Stroke Survivors; (3) TSP-001, TSP-002, TSP-008, User Manual LBL-0001 (Q)

# The IpsiHand System Components



HANDPIECE



HEADSET



TABLET



## IpsiHand Evidence

100% of IpsiHand users see improvement. Over two-thirds have clinically-backed improvements to their dexterity and range of motion after 12 weeks of rehabilitation in their home. Improvement was maintained even after 6 months, with new evidence on biomarkers in the brain supporting the benefit of regular use of IpsiHand.

## Who can use the IpsiHand?

Presently, the FDA's indications for use is for use in chronic stroke patients ( $\geq 6$  months post stroke) age 18 or older undergoing stroke rehabilitation, to facilitate muscle re-education and for maintaining or increasing range of motion in the upper extremity.

Of those that meet above criteria or receive physician orders, IpsiHand System users will need to pass a brain signal screening (EEG) and a brief clinical examination required for device use.

## Recommend Use

Use the IpsiHand System in the clinic or in the home to support traditional therapy for enhanced rehabilitation outcomes.

### SEE WHAT USERS ARE SAYING ABOUT IPSIHAND

- “ I can actually grip my coffee cup and open containers.”
- “ I can use my hand to hold forks and eat.”
- “ I don't have to pre-plan my movements anymore.”

**Talk to your therapist or physician to learn more if IpsiHand is right for you!**

#### IMPORTANT SAFETY INFORMATION

- System components contain lithium-ion batteries that MUST NOT be exposed to flame, excessive heat, or incinerated; personal injury may occur.
- Only use the Charging Adapters provided with the Neuroolutions System to recharge system components and avoid risk of shock.
- Use of the Neuroolutions System adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, the Neuroolutions System and the other equipment should be observed to verify that they are operating normally.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Neuroolutions System. Otherwise, degradation of the performance of the Neuroolutions System could result.
- The Neuroolutions Handpiece enclosure may reach a maximum temperature up to 43°C during use. To reduce the risk of discomfort, you should remove the Handpiece from your hand if the device feels warm on your skin.
- Tight straps on the Handpiece may restrict your circulation. Therefore, always check that the straps are not too tight throughout your range of motion to ensure proper circulation during use.
- The Neuroolutions System should only be used on intact skin, and the System should be cleaned and disinfected regularly to minimize possible contamination and risk of infection.