MOTUS– Technical Specification

Brief Description

Neuroblast Motus is a portable wireless motion controller. It is powered by a 5V Li-ion battery and communicates solely via Bluetooth, enabling real-time tracking of limb movements.

Technical Data

Parameter	Specification
Product Name	MOTUS
Intended Use	Motion tracking for [e.g.] 70 mm x 40 mm x 20
Dimensions	mm
Weight	[e.g.] 100 g (approx.)
Material	ABS plastic housing (fully plastic enclosure)
Battery Type	Rechargeable Li-ion battery, 5V

Parameter	Specification
Battery Capacity	[e.g.] 750 mAh (replace with actual value)
Charging	Via micro USB / USB-C cable (replace with actual port)
Typical Charge Time	[e.g.] 2 hours
Operating Time	[e.g.] 3–5 hours (depending on usage)
Wireless Connectivity	Bluetooth (2.4 GHz band)
Operating Temperature	[e.g.] +10 °C to +40 °C
Storage Temperature	[e.g.] 0 °C to +45 °C
Certifications	_____

Key Features

- **Wireless Motion Tracking**: Integrated sensors (e.g., accelerometer and gyroscope) enable real-time monitoring of movement.
- **Lightweight and Portable**: Fully plastic enclosure for minimal weight and comfortable handling.
- **Battery Powered (5V Li-ion)**: Built-in rechargeable battery allows for multiple hours of continuous use.
- **Bluetooth Connectivity Only**: Simple, reliable wireless communication with a smartphone, tablet, or PC.
- **Ergonomic Design**: Shaped for easy attachment to limbs with straps or hand-held use.

Additional Notes

- **Charging**: Use only the provided or a compatible 5V charger and cable.
- **Maintenance**: Wipe external surfaces gently with a soft, damp cloth. Do not immerse in water.

- **Storage**: Store in a clean, dry place at room temperature when not in use.
- **Safety**: Avoid exposure to extreme heat or direct sunlight. Discontinue use if the enclosure is cracked or the device malfunctions.

Warning: Changes or modifications to this unit not expressly approved by the party responsible
for compliance could void the user ' s authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the
following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

*** RF warning for Portable device:**
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.