



**noddle™ Quick Start Guide**  
**07-100002, Rev. 07**  
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**For detailed instructions consult the noddle User Manual**  
Instructional videos available at [www.voxello.com/support](http://www.voxello.com/support)

**How the noddle works:** The noddle allows patients who can only produce a single intentional gesture to access the nurse call and control a speech generating device (e.g. noddle-chat™). The patient controls three independent outputs by producing one, two or three gestures. If a patient starts gesturing but does not want to pick a particular output, the patient can abort by producing four gestures in a row.

**Appropriate Patient Selection:** Patients must meet the following criteria to make maximum use of the noddle:

- Patient must be conscious
- Patient must be severely limited in his/her mobility and unable to access standard nurse call system
- Patient must be able to produce an intentional gesture (e.g. tongue in cheek, tongue click, finger tap) reliably
- Patient must respond appropriately to yes/no questions

**Powering On/Off the noddle:** The noddle is powered from either the provided DC power adapter (that can be plugged into the power strip on the patient's IV pole or to an AC outlet on the headwall) or secondarily by the internal rechargeable battery. The battery charge lasts approximately 15 hours. While in operation under battery power, the noddle should be periodically checked for low battery charge. This is indicated by a repeated red flashing of the main indicator light accompanied by a buzzer once every 30 seconds.

**Selecting Appropriate Sensor:** Successful sensor selection involves an assessment of the patient's ability to produce an intentional gesture reliably. The assessment should identify the residual motor abilities of the patient as well as the patient's cognitive status to ensure that the patient fits the criteria for indications for use. Ask the patient to produce a gesture intentionally, on command. This may include the patient moving her finger or toe or her cheek with her tongue or making a clicking sound with the tongue. It is crucial that the patient produce this gesture up to four times in succession with no more than  $\frac{3}{4}$  of a second (750 msec) between gestures. Some patients, due to their medical status, may benefit from one sensor at one point in time and may later benefit from a different sensor, so it is important to continually check on the patient to ensure a good fit. Available sensors include: noddle j-mic™, noddle touch™, noddle v-mic™, and noddle bed-touch™.

**Sensor Mounting:** The noddle-touch sensor and noddle j-mic sensors both have cervical collar mounting capabilities through the Velcro strap on the collar or they can be used with a head strap. The noddle bed-touch can be clipped to bedding or attached to a pillow. The noddle v-mic can be attached to a vent line support arm or to the vent circuit.

**WARNING:** To avoid the risk of accidental decannulation, noddle sensors must not be mounted on ventilation circuits of patients with tracheotomies.

**Connecting a sensor to the noddle:** The selection indicator light will remain red until a sensor is plugged into the input jack on the front of the noddle. Once a sensor is plugged in, the selection indicator light will flash green once and then turn off.

**Connecting the noddle to Nurse Call:** When using the noddle with the noddle-chat speech generating tablet, plug the provided nurse call cord into output 3 on the noddle and the other end into the standard  $\frac{1}{4}$  inch phono nurse call jack on the patient's headwall. If the headwall jack requires a 5 pin DIN connector, use the provided adapter. When using the nurse call without SGD, plug call cord into output 1, 2, or 3, depending on how many gestures a patient will be using to summon the nurse.

**Cleaning/Disinfecting of noddle and Disposal of Sensors:** The noddle is intended for multiple uses. Cleaning should follow the facility's protocol for medical equipment cleaning and disinfecting. The noddle sensors are intended for single patient use only and are not to be disinfected and reused on multiple patients. They are to be disposed of following facility protocols for their medical equipment disposal.

**Equipment Storage:** All noddle equipment should be stored together to ensure correct pairing of the noddle with the noddle-chat tablet.

# noddle™

## Powering noddle™:



## noddle sensors:



## Connecting a sensor to the noddle:



## Sensor Mounting: Miami-J, Headband, Bedding, Vent Circuit, Vent Circuit Support Arm



## Connecting the noddle to Nurse Call:

