

## Wizzybug User Requirements for Wizzybug Loan Scheme

### Information for Clinicians assisting families in the Wizzybug application

All applications for a Wizzybug currently require the input of a Clinician; to fill out and comment on medical and postural aspects required for the child, and to support the family with the application. Please consider the information listed very carefully so as to assist the family in ensuring the Wizzybug is the most appropriate form of mobility at this stage.

### Child / User requirements:



#### 1. Level of understanding

- Children with a level of cognition equivalent to 14 months may be able to use the Wizzybug. We understand and expect that not all children will be independent drivers from the outset and will rely on carers supporting them via the carer controls, placing and guiding their hands on the joystick and encouraging driving through play.
- However, children must be working towards the ability to drive short distances without the use of the carer controls, working towards understanding “cause and effect” and be able to follow simple instructions.

#### 2. Vision

- Children with some visual impairments can be supported to use the Wizzybug safely but may require an alternative approach to developing their driving skills.

#### 3. Sitting ability

- Able to maintain sitting position with the assistance of a pelvic belt, harness, headrest and laterals if required.
- Sufficient head control to sustain head position with a supportive headrest to enable safe driving.

#### 4. Functional driving

- We are able to provide a variety of joystick shapes or switches to be modified and positioned in various locations on the Wizzybug.

## 5. Maximum hip width

- 245mm / 24.5cm

## 6. Maximum child height

- 1100mm / 110cm

## 7. Weight limit

- Weight limit / carrying capacity of 20kg

## 8. Age Range

- Not specifically indicated – related to size and age-appropriateness.
- For general guidance, approximately 14 months to 8 years.

## 9. Medical devices:

- Wizzybug does not allow for the attachment of bulky / heavy items such as **medical devices and we do not advise active use of them whilst driving.**

## Wizzybug Product Specification\*



## 1. Flexible seat adjustment

Easily adjustable without the use of tools as the child grows

### Back rest recline and tilt:

- Backrest height range 410 - 430mm
- Backrest angle adjustable from 90 - 97 degrees
- Seat tilt: 0 - 15 degree

**Seat depth:** 155-245mm / 15.5-24.5cm

**Seat Width:** Maximum hip width accommodated: 245mm / 24.5cm

## 2. Postural Accessory options:

- RMS Pelvic Belt and Shoulder Harness as standard
- Variety of Headrests options available
- RMS Dynamic or Butterfly harness varieties, pelvic belt, ankle huggers
- Thoracic supports
- Thigh guides, pommel

# designability

- Memory foam cushions with washable covers
- Tray
- Adjustable footrest
- Customised adaptations with engineering support available on request

### 3. Driving and Range:

- Suitable for **indoor** and **outdoor** use, including “off-road”
- Lithium Ion (Lifepo4) battery and charger
- Driving speed of 2.0 mph / 3.1 kmph
- Driving Range 9.5 km / 5.9 mile
- Puncture proof, low maintenance tyres

### 4. Controllers:

- Can be controlled via a **joystick, switches** or **carer control**
- Dynamic controls Shark, DX or LiNX for Joystick operation
- Joystick options: ball-knob, T-bar, golf ball, grip hedgehog cover, PVC foam ball, MERU cow horn, MERU T-bar
- DX and LiNX Plus model offer switch interface for the operation of buddy buttons or a Moozi joystick, fixed onto a tray

### 5. Dimensions and weight:

- Can be taken apart by one person to lift into a car
- Total **weight** 29.3 kg (heaviest section when dismantled is 16.4kg)
- Battery weight 3 kg
- Overall **width** of vehicle: 560mm /56cm
- Overall **length** of vehicle: 650mm / 65cm

\*Reference: Medical Device File, document 241-TFD-025 product specification, section 5.