

# **OPERATING MANUAL**

## **E-Turtle Kiddy Bus Model 801.75**



## EC conformity declaration

Product name: E-Turtle Kiddy Bus

Model no.: 801.75

The manufacturer, A. Winther A/S, hereby declares that the above-mentioned machine complies with Machinery Directive 2006/42/CE. The directives and standards listed below have also been complied with.

- EN 1888:2012, Wheeled child conveyances
- Directive 2014/30/EU, EMC
- EN ISO 12100:2010
- Directive 2011/65/EU, RoHS
- Directive 1907/2006, REACH
- Directive 2004/35/EU, Low voltage directive
- EN15194:2012 EPAC
- EN71-3:2013 + A1:2014, Heavy metals
- EN ISO 13849-1:2015, EN ISO 13849-2:2013
- EN 12184:2014
- EN 60335-1:2012/ AC:2014, Electrical safety
- EN 60335-2-29:2004 + A2:2010
- EN60254-1:2005, Lead-acid batteries

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## INTRODUCTION

Congratulations on your investment in a Winther E-Turtle Kiddy Bus with electric motor!

**IMPORTANT!** Please read the entire manual thoroughly before using the E-Turtle Kiddy Bus. Keep this manual in a safe place for future reference. The safety of the children in the bus may be affected if these instructions are not observed. If the E-Turtle Kiddy Bus is passed on to another user, these operating instructions must also be handed over.

The E-Turtle Kiddy Bus is designed to transport a maximum of 6 children of a minimum age of 6 months and a maximum weight of 15 kg each, who are already able to sit independently; the total weight of the children must not exceed 90 kg. The maximum weight load, including luggage, is 100 kg. The E-Turtle Kiddy Bus is no ordinary kiddy carriage; it has been specifically developed for use in crèches and childcare facilities. It is designed for asphalted or paved walkways, footpaths and roads.

The E-Turtle is exclusively designed for the transport of children. The transport of oversized goods is not allowed. The permissible technical data must be observed during operation.

The E-Turtle Kiddy Bus should only be operated by childminders and employees of childcare facilities. All persons using the vehicle must be previously instructed. A minimum age of 16 years is required to drive the Kiddy Bus. Before using the Kiddy Bus with children for the first time, trial runs must be carried out; read the driving instructions.

Do not use the E-Turtle if it is damaged in any way. Repairs may only be carried out by a service technician.

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No modifications (mechanical/electronic) may be made to the vehicle, as this may affect its stability and operational safety.

#### ON DELIVERY AND UNPACKING

Check the transport packaging and the E-Turtle Kiddy Bus on receipt for any damage that may have occurred during transport. If you detect any damage, preserve the transport packaging so that it can be inspected by the supplier. Contact the supplier or dealer from whom you purchased the E-Turtle Kiddy Bus immediately to make a claim for transport damage.

The E-Turtle Kiddy Bus is delivered almost fully assembled. Only the safety roof bars need to be mounted after delivery. It is important to check that the bus is in good order and free of defects before use. Any defects must be reported immediately.

#### INFORMATION ON SAFETY AND DRIVING

##### **WARNING!**

- Never leave your child unattended.
- Always use the restraint system.
- Always use the safety hand strap.
- This seat unit is not suitable for children under 6 months.
- Do not let your child play with this product
- This product is not suitable for running or skating.
- The P-brake must be locked each time the vehicle is parked and when children enter and leave the vehicle.
- This E-Turtle Kiddy Bus is designed for a maximum of 6 children up to 3 years of age.
- The maximum carrying capacity including luggage is 100 kg.
- When loaded to its maximum capacity, the vehicle can handle gradients of up to 9 degrees/15 % when travelling forwards and gradients of a maximum 6 degrees/10 % when reversing.
- The inclination of the terrain must not exceed 12 degrees. If the maximum inclination is not observed, there is a RISK OF TIPPING.
- Only release the DRIVE handle when the vehicle is at a standstill; otherwise the brakes might be activated too suddenly and children may be injured.
- Do not hang any bags or similar items on the push handle as this will affect the stability of the vehicle.
- Do not use any accessories that have not been approved by the manufacturer.
- The driver should be at least 16 years old.
- Do not drive the vehicle if it is not working normally.

## **DRIVING INFORMATION**

- First a trial drive without children must be made, in order to get used to the handling of the vehicle. Continue the trial drive until you are completely familiar with the vehicle and its operation mode.
- Adapt the driving style to the road conditions. Drive carefully around sharp curves and corners.
- Pay attention to other pedestrians within the driving range of the vehicle.
- Take care when driving close to steep slopes.
- Use the roadway if using the vehicle on the sidewalk will significantly impede the passage of pedestrians.
- If you cannot avoid driving over obstacles (e.g. kerbs), this must be done slowly and with great care. If possible, the children should leave the vehicle until the obstacle is overcome.
- When driving over a pavement edge, step with one foot on the foot rail of the bus to slightly lift the front end of the vehicle. The front wheels should not hit kerbs or other high edges as this may damage the chassis.
- If possible, do not use the vehicle in dusty environments.
- The use of electronic devices, such as mobile phones and hearing aids in the vicinity of the vehicle may produce electromagnetic feedback.

## **WARNINGS FOR BATTERY CHARGER AND BATTERY**

- Read the battery charger manual carefully before charging the battery.
- Never use a charger other than the one intended for use with the device.
- The vehicle must not be accessible to children while the battery is being charged.
- Do not expose to rain, only suitable for dry spaces.
- ATTENTION! Risk of explosion - Avoid flames and sparks.
- Never expose batteries to great heat or strong mechanical shocks.
- Ensure an adequate ventilation while you are charging the battery.
- Disconnect the charger from the mains before connecting or disconnecting the charging socket. The charging plug is located on the underside of the control unit.
- DO NOT remove the charger from the charger plug during the charging process: wait until the green LED indicator lights up constantly. It is possible to charge the battery during the night. The battery cannot be overcharged.
- Do not charge batteries continuously when not in use.
- Never disassemble, open or crush secondary cells or batteries.
- If a cell leaks, the liquid must not come into contact with the skin or eyes. If you have come into contact with it, rinse the affected area with a large amount of water and seek medical advice.
- Sealed lead-acid cells or batteries may not be tilted in any direction by more than 90 degrees from the vertical position during the charging process.

- Do not use cells or batteries that are not designed for use with the device.
- Cells from different manufacturers, with different capacities, dimensions or designs may not be used together in one device.
- Keep cells and batteries out of the reach of children.
- Always keep cells and batteries clean and dry.
- Cells or batteries must not come into contact with solvents such as thinners, alcohol, oil, rust inhibitors or surface-attacking agents such as detergents.
- Do not use the charger with a damaged power cord or plug or when the charger itself is damaged. Repair must be carried out by a service technician.
- Work on the battery may only be carried out by an authorised specialist.

#### PRODUCT OVERVIEW AND SPECIFICATIONS

- Light weight for easy manoeuvring!
- The motor helps you tackle even steep hills (9 degrees/15 %).
- At least 6 hours travel time per fully charged battery (on flat terrain).
- Built-in safety function that permits only adults to set the E-Turtle Kiddy Bus in motion.
- Use of the foot rail prevents straining your back when the E-Turtle Kiddy Bus has to be driven over kerbs.
- Children can easily get in and out of the bus via the two side doors.
- All-round reflective markings ensure good visibility in the dark.
- Infinitely variable speed control both for driving forwards and for reversing.
- Fits through door openings larger than 75 cm.
- The E-Turtle Kiddy Bus is equipped with a luggage box which offers plenty of space for luggage!  
(Max. 10 kg.)



**Model 801.75**

<b>Dimensions, LxWxH</b>	175 cm x 75 cm x 100 cm
<b>Step height</b>	24.6 cm
<b>Product weight</b>	74.50 kg
<b>Maximum load</b>	100 kg
<b>Material</b>	Hard-wearing, UV-resistant polyethylene and hardened aluminium.
<b>Wheels</b>	Puncture-proof, solid wheels with ball bearings. Front wheels rotate 360°
<b>Seats</b>	6 seats with 5-point seat belts and seat cushions. Belts and seat cushions are removable and washable at max. 30 °C/86 °F.
<b>Engine</b>	24 V, 380 Watt
<b>Engine brake</b>	While driving: The fully automatic motor brake is activated when the DRIVE handle is released.
<b>Battery</b>	2 Sonnenschein batteries at 12 V each – Model GF12022YF Capacity: 22 Ah At least 6 hours drive on flat terrain.
<b>Operat. temperature</b>	-15 to +35 degrees Celsius
<b>Charge time</b>	6-8 hours (full charge) approx. 500 charge cycles
<b>Speed</b>	Forward: 0-6 km/hour Reverse: 0-2 km/hour
<b>Hand brake and P-brake</b>	Drum brake on the rear wheels. Can be used as a service brake when the motor function is switched off.
<b>Slopes/terrain</b>	When driven forwards with a maximum load, the vehicle can handle a maximum gradient of 9°/15 %. A maximum gradient of 6 degrees/10 % when reversing.
<b>Details/accessories</b>	Luggage box (included) Baby seat #31127 Rain cover #19092 Storage cover #19091
<b>Warranty</b>	2 years on frame, body and parts. The batteries are not covered by the warranty.

## CHARGING THE BATTERIES/STARTUP

Before the Kiddy Bus is used for the first time, the batteries must be fully charged. This will take about 6-8 hours.

Remove the box with the charger and connect it to the charge connector located on the control panel. Then connect the charger to a 230 V socket. The charger flashes green while charging. When the light is solid, the batteries are fully charged.

You can recharge the batteries later if necessary. The batteries do not have to be completely empty. It is best to charge the batteries completely when charging them.

The ambient temperature while charging the batteries should be 5 to 40 degrees Celsius. It is best to charge the bus at an ambient temperature between 10 and 30 degrees Celsius, as this prolongs the life of the battery.

**IMPORTANT:** If the E-Turtle Kiddy Bus is not used for a very long time, the batteries should be fully recharged at least every second month.

## INSTRUCTIONS FOR USE

The E-Turtle Kiddy Bus is simple and easy to operate. To do so, follow these instructions.

### 1) Boarding the bus

- The P-brake must be activated when placing children in and out of the seats.
- Entering and exiting must always take place under the supervision of the caregiver.
- The two rear seats are designed for the smallest children. This means less stress for the caregiver.

### 2) Securing your children with the restraint system

The system consists of a crotch strap and integrated waist/shoulder straps. The length of the crotch strap can be adjusted with the H-clasp under the seat. The length of the waist/shoulder straps can be adjusted with two H-clasps. The belt system can be opened at the front with two fingers when placing a child in or out of the seat. The straps should be adapted to the size of the children.

**WARNING:** Always use the restraint system.



### 3) Parking Brake (P-brake)



Position 1: Back = the vehicle is braked.

Position 2: Forward = the vehicle is unbraked.

The P-brake must be activated each time the children are placed into or taken out of the bus, as well as when the vehicle stops, e.g. in front of traffic lights or on slopes.

The P-brake also functions as an emergency switch because the power supply of the motor is switched off when the P-brake is activated.

### 4) Braking

There are 3 ways to stop, slow and adjust the speed of the vehicle;

- If you fully release the DRIVE handle the vehicle will automatically stop (this is a built in safety feature)
- If you gradually release the DRIVE handle the vehicle will slow down and come to a gradual stop (acting as a brake)
- The vehicle speed can also be regulated with the speed control adjustment (from 0 to 6km/h).

When parking on uneven ground, the front end might swing out sideways. Therefore, always activate the P-brake when you park.

### 5) The On/Off function



The ignition key switches the power on and off:

Turn to the right to switch on.

Turn left to switch off.

When the power is on, the battery indicator shows the battery charge status. Green means high, yellow means it requires charging, red means low and thus that it should be urgently recharged.

When the P-brake is applied, the charge level cannot be read. Always attach the cover cap if the ignition key is not in the key switch, this protects the control unit against ingress of water and dust.

## 6) Driving the bus forwards/backwards



To set the E-Turtle Kiddy Bus in motion, do the following:

Step 1: Press and hold down the safety switch on the left side of the control unit.

Step 2: Push the DRIVE handle towards the push handle. Now the Kiddy Bus moves forward.

Step 3: Release the safety switch.

To stop the Kiddy Bus, release the DRIVE handle.

To reverse, do the following:

Step 1: Press and hold down the safety switch on the left side of the control unit.

Step 2: Push the DRIVE handle away from the push handle.

Step 3: Release the safety switch.

For safety reasons, the drive function switches off as soon as the DRIVE handle is released for more than one second. This is why the safety switch has to be pressed again and the DRIVE handle operated at the same time in order to set the E-Turtle Kiddy Bus in motion again. If the E-Turtle Kiddy Bus stands still for more than 5 minutes, the power will switch off. In this case, the ignition key has to be turned first to put the vehicle in the drive mode again.

### 7) Setting the driving speed



The driving speed is set with the speed controller. To increase the speed, turn the knob to the right. Once you have set the desired maximum speed with the control knob, you can regulate the speed with the aid of the drive handle while you are driving. By pressing the DRIVE handle all the way to the push handle, you will reach the maximum set speed. The speed is decreased by slightly releasing the DRIVE handle; when the handle is completely released, the Kiddy Bus brakes. To manoeuvre the bus only the DRIVE handle is used.

Please check the speed set on the controller knob before setting the E-Turtle Kiddy Bus in motion!

### 8) Manual driving/operation stop



If the E-Turtle Kiddy Bus has to be driven manually, the motor is set to freewheel by means of the handle under the push handle. If the handle is pulled upwards and held against the push handle, the vehicle can be driven manually. When the handle is released, the motor is re-coupled by means of a spring.

**WARNING:** The freewheel handle should only be released when the vehicle is at a standstill, since otherwise the vehicle would come to a sudden stop and children be injured thereby.

To further improve safety, always use the hand strap when driving in the manual mode.

The P-brake can be used as a motion brake if it is not tightened too firmly so as to fully brake the vehicle.

The E-Turtle Kiddy Bus can be driven in the manual mode, for example to drive through narrow passages or to park the E-Turtle Kiddy Bus in a garage. This function is also useful in case the motor stops and makes it possible to drive the vehicle home without electric traction.

### 9) After using the bus

Switch off the driving function.

Do not forget to always apply the P-brake when you drive the E-Turtle Kiddy Bus to its parking position and when it is not in use.

## STORAGE, INSPECTION, MAINTENANCE, CARE AND REPAIR

The E-Turtle Kiddy Bus must always be parked under a roof when not in use. If this is not possible, a storage cover must be used. This can be ordered as an accessory.




The E-Turtle Kiddy Bus must be inspected, serviced and cleaned regularly. This guarantees its optimal functioning.

**Inspection:** Pay attention to possible changes to the E-Turtle Kiddy Bus when it is not in use.

In case of deviations from the normal state, please refer to the section Troubleshooting.

The brake system (P-brake and service brake/motor brake) as well as all safety-relevant aspects must be checked and documented by a service technician (or a trained employee) at least once a year. In the event of anomalies, the vehicle must be immobilised immediately and repaired by a service technician.

**Maintenance:** Maintenance of the E-Turtle Kiddy Bus is easy and can be performed by trained personnel. The brake parts must be lubricated at the following 3 points:

		
<p>1) Lubricate the tilting arm on both rear wheels at least once a year.</p>	<p>2) Lubricate the drawbar at the tilting arm once a year.</p>	<p>3) Lubricate the P-brake once a year on both sides, top and bottom. In order to access the brake, remove the side fabric.</p>

Furthermore, lubricate the rubber bush above the freewheel handle every year.

**Cleaning:** The wheels, the plastic body and the inside and outside of the vehicle are cleaned with ordinary soapy water using a cloth or a brush. The control panel is cleaned with a well wrung out cloth. Do not use a hose or high-pressure cleaner to clean the bus; this may damage electrical components.

It goes without saying that if you handle the E-Turtle Kiddy Bus properly and with care you will be able to enjoy it for many years to come.

**WARNING:** Repairs of all kinds as well as battery changes may only be carried out by a trained service technician. Always disconnect the battery power supply before repairing the electrical system.

#### TROUBLESHOOTING AND FAULT-FINDING

If the E-Turtle Kiddy Bus does not drive, please turn the ignition key to switch off the motor first. Then switch it on again and check the battery level. If the E-Turtle Kiddy Bus does not work even though the battery is charged and the drive is switched on, set the motor to freewheel so that the Kiddy Bus can be driven home in the manual mode (see Point 8 OPERATING INSTRUCTIONS). Please contact a service technician.

#### WARRANTY TERMS

- The frame, chassis and parts are warranted for 2 years from the date of purchase. The battery is excluded.
- In the event of improper use of the Kiddy Bus of any kind, the liability of the manufacturer and seller is excluded. Please refer to the operating instructions.
- The warranty expires if the E-Turtle Kiddy Bus is modified or if parts are used that were not approved by Winther.

#### DISPOSAL

**Disposal of packaging:** The packaging materials are environmentally friendly and reusable. Please dispose of them in an environmentally friendly manner.

**Disposal of batteries:** Please return the batteries to the recycling centre at the end of their service life.

**Disposal of the old E-Turtle Kiddy Bus:**

Please dispose of it at the recycling yard. Before disposal, the batteries must first be removed by a service technician.

#### REPLACEMENT PARTS

Only spare parts offered or recommended by Winther may be used. To ensure safe operation of the E-Turtle, it is recommended that spare parts be installed by a specialist or authorised service technician.

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