



## Electric Mobility Scooter Power Disability Aids Battery Equipment

### !!! WARNING

- READ ALL WARNINGS AND ASSEMBLY / USE INSTRUCTIONS. KEEP THIS GUIDE FOR FUTURE REFERENCE.
- SEVERE INJURY OR DEATH can result if you do not follow the instructions in this manual.
- ADULT ASSEMBLY REQUIRED.

## Introduction

- YT-2006 is designed to assist adults who have difficulty walking. It is not intended for people with severe physical problems or for those with poor balance. You must be physically able to operate this scooter. If you have any doubts about the suitability of the scooter for your needs, ask your physician or therapist advice.
- The scooter is intended for use indoors, on pavement, sidewalks, pedestrian zones and areas free from motor traffic. Do not use on public streets as a substitute for a motor vehicle.
- **KEEP THIS MANUAL.** This manual should be considered a permanent part of the scooter and should remain with it when resold or otherwise transferred to a new owner or operator. This manual contains important safety information and instructions which should be read carefully before operating the scooter.

## Features

- Compact, with a sturdy frame and minimal body work.
- Maximum speed of 6.5kph on a level surface.
- Maximum loading: 115kgs on level ground.
- Seat height and arm rest width are adjustable.
- Steering is light and easy.
- Flexible footrests.
- The scooter has a very small turning radius of 33", ideal for use indoors.
- Easy to disassemble and lift into a car.
- Maintenance-free, easy-to-charge battery pack attaches and detaches easily.
- Convenient front storage basket is easy to remove for storage.

## EMI Warning

**Read completely before operating this Power Chair/Scooter.**

EMI stands for Electro-Magnetic Interference. It is energy signals given off by transmitting devices such as CB radios, cellular phones, radio stations, TV stations, amateur radio (HAM) transmitters and two-way radios. These signals may cause erratic behaviour in other electronic equipment operating nearby, including your powered scooter. The interference can cause the powered scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered scooter's control system.

While there is no exact way to tell if your powered scooter is totally safe, an immunity level of 20V/M (as of May 1994) is generally achievable and useful.

**THIS PRODUCT HAS BEEN TESTED AND PASSED AT AN IMMUNITY LEVEL OF 20V/M.**

The sources of radiated EMI can be broadly classified into three types:

1. **Hand-held portable transceivers** (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, “walkie talkies”, **NOTE:** Some police transceiver, cellular telephones, and other personal communication devices transmit signals while they are **ON**, even when not being used.
2. **Medium-range mobile transceivers**, such as those used in public cars, fire trucks, ambulances, and taxis. These usually have the antenna mounted on the outside of the vehicle.
3. **Long-range transmitters and transceivers**, such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios. **NOTE:** Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, as far as we know, are not likely to cause problems to your powered scooter.

### **Powered Scooter Electro Magnetic Interference (EMI)**

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the powered scooter's control system while using these devices. This can affect powered scooter movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powered scooter.

#### **!!! WARNING**

The warnings listed below will help reduce the chance of possible injury caused by unintended brake release or unintended powered scooter movements.

- **DO NOT** operate hand-held transceivers(transmitters-receivers),such as citizens band (CB) radios, or turn **ON** personal communication devices, such as cellular phones, while the powered scooter in **ON**.
- Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.
- If unintended movement or brake release occurs, turn the powered scooter **OFF** as soon as it is safe.
- Be aware that adding accessories or components, or modifying the powered scooter may make it more susceptible to EMI. **NOTE:** There is no easy way to evaluate the overall immunity of the powered scooter.
- Report all incidents of unintended movement or brake to the powered scooter dealer, and note if there are sources of EMI nearby.

## Assemble the scooter

### !!! WARNING

- **ADULT ASSEMBLY REQUIRED.** The product contains small parts, which are for assembly **ONLY**. Keep small children away when assembling.
- **ALWAYS** remove protective material and plastic bags before assembly. Dispose of packing materials properly after assembly.

## Parts List

Remove all parts of the scooter from the box, and set aside packing materials. Lay all parts on a clean surface and make sure all parts are present. Discard packing materials after assembly.



Frame



Seat



Arm Rests



Basket



Front Bracket



Bracket Collars (2)



3/4" Black Basket  
Screws (4)



Back Bracket



Basket Cushion



Basket  
Support



1/2" Black Basket  
Screws (2)



Battery Charger



Battery Charger Cord



1" Footrest Bolts (4)  
and Nuts (4)

\*\*\* Tools needed for assembly: Tool set with scooter \*\*\*

## Assemble the Scooter, continued

1



1a



2



Loosen tiller knob and raise tiller to upright position.

**NOTE:** Raise tiller as far up as it will go, so seat can be attached later. Tighten tiller knob.

Arm rests come attached to seat, but must be removed and reattached in correct position. Loosen adjustment knobs under seat and slide arm rests out.

3



4



5



Re-insert arm rests into tubes under seat. **NOTE:** Make sure arm rests go all way into tubes under seat. Tighten adjustment knobs.

Lower the seat onto seat post on the scooter.

Tighten upper seat knob. **NOTE:** Adjust seat to your body after assembly is complete. See page 7

6



6a



7



7a



To assemble basket, insert bracket collars into front and back brackets.

About 8" from base, fit front and back brackets around tiller. Make sure front bracket faces out. Attach brackets using four (4) 3/4" screws with a Philips screwdriver. Tighten securely, or bracket may turn sideways on tiller.

## Assemble the Scooter, continued

8



9



10



Remove backing from basket cushion, and press onto basket support.

Attach basket support to bracket using two (2) 1/2" screws.

Slide basket onto basket support until securely seated.

### Charge Battery

**IMPORTANT!** Your scooter's battery comes charged. However, it may need charging before the first use. If battery indicator needle is not at or past "F" (Full) level, charge battery for about an hour to restore full power. Follow charging directions below and on page 6

#### !!! WARNING

##### PREVENT FIRE AND ELECTRIC SHOCK:

- **NEVER** use a different brand of charger to charge the battery. A fire or explosion could occur.
- **NEVER** use this charger for any other product. Overheating, fire or explosion could occur, permanently damaging the system.
- **DO NOT** allow water or any type of liquid to come in contact with battery or its components. **ALWAYS** charging process. Fire or explosion could occur. **ALWAYS** charge in a well-ventilated area.
- **DO NOT** open battery pack or charger. Burns or electric shock could occur.
- **DO NOT** drop or handle the battery pack roughly. Use caution when handling the battery.
- **DO NOT** store batteries in airtight containers or bags, or cover with a plastic sheet.

#### !!!!CAUTION

- **DO NOT** charge battery if you see wear or damage to battery case, its connectors, or charger and its supply cord, Replace damaged parts and then charge it.
- **DO NOT** allow battery to drain completely. Permanent damage to the battery could occur.  
**RECHARGE BATTERY EVERY DAY AFTER USE.** If not used often, recharge once a month.
- Failure to charge battery according to directions will permanently damage battery and avoid warranty.
- Use or store the battery in the temperature ranges specified below:  
**Operation(discharge): 5°F to 122°F   Charging:32°F to 104 °F**  
**Storage:5°F to 104°F**

## Charge Battery, continued

- The battery pack is totally sealed and is completely maintenance-free, except for charging.
- Remember that batteries are consumable items, and will wear with use. To keep your scooter working to its maximum potential, it is important to maintain full battery power as much as possible. Always recharge battery when indicator falls into yellow zone. **NEVER** run battery to red zone; permanent damage can occur. When the scooter is stopped, the needle can misleadingly indicate "full". The indicator needle is only a guide and is effective only when scooter is moving.
- **ALWAYS** charge battery indoors, with adequate ventilation.
- **ALWAYS** turn scooter off before charging battery. To make sure scooter is off, remove key and place it on battery pack while charging.
- Battery can be charged while connected to, or disconnected from scooter.
- **ONLY** use the charger that is supplied with the scooter.

Input: AC 100-240V 50-60 Hz 1.5A

Output: DC28.1 V/1.6A

- **RECHARGE BATTERY AFTER EVERY USE.** Charging battery after every use will increase battery life.240 volts. It automatically accommodates to the differences.
- Average driving range is about 16kms, but will vary with the following factors:

Weight of driver (maximum 115kgs.): 90kgs on a 9°slope; 60kgs on a 12°slope, battery conditions, ambient temperature and driving habits.

1



Insert electric cord into charger

2



Swivel port cover down to expose charging port. **NOTE:** Do not pull port cover away from battery pack.

3



Plug rounded end of charger into charging port. Plug other end of charger into a standard house-hold electrical outlet. Do not use extension cords.



The battery is charging when indicator light on charger glows RED. When battery is fully charged, indicator light will glow GREEN. **NOTE:** It is normal for charger to feel warm while charging.

- **First charge should take about 1 hour. Normal re-charge time will be 1 to 8 hours, depending on amount of discharge.**
- Monitor charging progress. When needle on battery indicator reaches "F" (Full), discontinue charging. Do not charge battery more than 24 hours.
- When battery is fully charged, first unplug charger from electrical outlet, then from the scooter's charging port. Swivel port cover closed. Store charger in a dry place

## Adjust the Scooter to You

1



**Engage brake** by pushing down on yellow brake lever at rear of scooter. Do not attempt to sit on seat if brake is not engaged. The scooter may roll out from under you. **Note:** Brake is automatic, engaging when forward/reverse levers are released.

2



Adjust seat height according to your height. For taller users, loosen lower seat knob and raise seat. Tighten lower seat knob.

3



Pull up on seat bottom (do not pull on arm rests), and remove seat.

4



Pull out pin at bottom of seat post. Re-insert pin into upper holes of seat post.

5



Replace seat.

6



Securely tighten lower seat knob.

7



**Adjust arm rests** if they feel too close to your body. Loosen arm rest knobs under seat.

8



Slide arm rests out. Tighten adjustment knobs.

9



Arm rests can be flipped up for easy entry.

## Adjust the scooter to you, continued

Footrests swivel, so rider's feet rest in a relaxed position during travel. The rider can flex their feet when using scooter, aiding circulation. If desired, footrests can be fixed in place using four (4) 1" bolts and four (4) nuts contained in small plastic bag.

10



To keep front wheel from swiveling, pull up yellow wheel lock and move it to the left.

11



Tip scooter back, so it rests on seat back and anti-tip bar.

12



Insert bolt into plate under footrest. Fit nut over end of bolt.

13



Use a wrench to tighten bolt. Nut should be snug against plate.

14



Insert remaining bolt and attach nut. Screw bolts up or down to adjust angle of footrest.

15



**To adjust tiller**, sit in seat and have an assistant loosen knob on tiller. Adjust tiller so you can comfortably reach controls and handlebars. Tighten knob securely.

15a



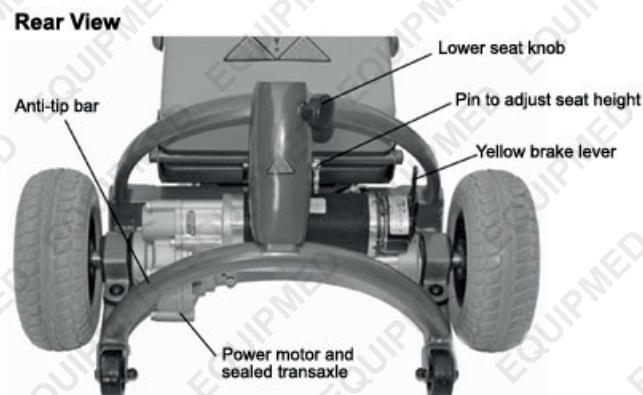
## Using the Scooter



## Specifications

### Product

**Motor:** 300W/24V  
**Battery:** 24V / 12AH / 18H  
**Battery Distance:** 16km  
**Charger Time:** 6-8 Hours  
**Max Speed:** 6.5Km/h  
**Max Load Capacity:** 115kg  
**Wheel Dimension:** 20cm x 70cm  
**Turning Radius:** 840mm



### Dimension & Weight

**Scooter:** 34.0kg  
**Scooter without seat, Battery & Basket:** 20.0kg  
**Scooter Without Battery:** 25.4kg  
**Seat:** 5.0kg  
**Battery:** 8.6kg  
**Basket:** 0.40kg  
**Folded Dimension:** 55 (w) x97 (d) x50 cm (h)  
**Carton Size:** 100cm(L)x 57cm(W) x 53cm(H)  
**Gros Weight:** 37kg

### Important Notes

- You must be physically able to operate this scooter. If you have any doubts about the suitability of the scooter for your needs, ask your physician or therapist for advice.
- When using the scooter, **DO NOT** use a cellular phone (see EMI Warnings on page 2) or drive under the influence of alcohol or drugs.
- **DO NOT** exceed maximum load of 115kgs. **DO NOT** carry passengers.
- Remember that you are a motorized pedestrian. Use your scooter wherever it is safe and legal to walk. **DO NOT** use on public streets as a substitute for a motor vehicle.
- Be very careful when driving near other pedestrians. Watch where you are going, and avoid running into people or objects.
- The basket is designed to carry light loads. **DO NOT** carry heavy loads in the basket. **NEVER** allow children to sit in the basket.

## Control Panel



- **Forward/reverse levers** control movement of your scooter. Use your forefingers to press lever down. With the power off, practice operating this lever with your hand on handle grip.
- **Forward:** Lightly press right lever, and the scooter will move forward slowly. Press a little harder, and it will move faster. Press it all the way to the right, and the scooter will move forward at the maximum speed allowed by speed adjustment knob setting.
- **Reverse:** Press left yellow lever, and scooter will move backward slowly. Speeds for reverse are much slower than forward speeds.
- **To stop:** gradually release lever. For a smooth stop, avoid an abrupt release of lever. Brake will automatically engage.
- **Speed adjustment dial** allows you to select your desired top speed. "L" is slowest speed and "H" is fastest speed. Top speed for your scooter is 6.5k/h until you are confident driving the scooter, use slow speed. Always use slow speed when driving indoors.
- **Key** turns the scooter on and off. For your safety, always turn key off when the scooter is at rest.
- **NEVER** get on or off scooter with key on. This avoids any accidental movement caused by the driver, clothing or anyone else touching the forward and reverse lever. DO NOT turn off key when the scooter is in motion, except in an emergency. Permanent damage can occur.
- **Horn** button sounds horn if you need it .
- **Battery indicator** is labeled "E" to "F" (Empty to Full) and has three color zones. Green means battery is charged and ready to use. Amber means that battery needs charging. If needle is in red zone, DO NOT use scooter. Recharge battery immediately (see page 6). NEVER allow battery to totally discharge. Permanent damage will occur to battery. Battery indicator is effective only when scooter is moving.

## Before Every Ride

**To ensure your safety, use this checklist before riding your scooter.**

- Make sure knob on tiller is securely tightened.
- Check that front wheel lock is released.
- Make sure seat knob is securely tightened.
- Check that black brake lever is down, and brake is activated. Try to push scooter; it should not move. If it moves, it is in free-wheel position and automatic brake will not engage.
- Make sure battery is fully charged and securely latched in place. Before you go out on your scooter, move forward a yard or two to check battery charge level. Battery needle should be at top of green zone.

## Get Ready to Ride

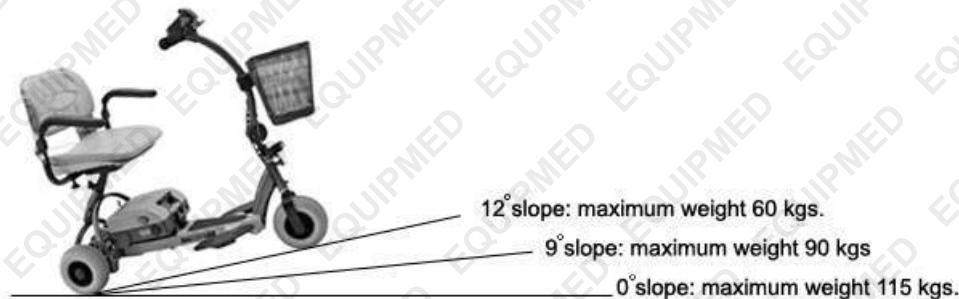
- Follow these steps before getting on your scooter.
- Make sure key is switched OFF.
- Engage brake (see Step 1-Engage brake, page 7). NOTE: If you try to start the scooter with brake disengaged, you will hear a rapid beeping sound. Turn key off, activate brake and start motor.
- Set speed (see Speed adjustment dial, page 10).
- Sit in seat.

## Go For a Ride

- Turn key clockwise. **NOTE:** If forward/reverse lever is in use, the scooter will not turn on. Also, if brake lever is in free-wheel mode, a warning beep will sound, and the scooter will not start.
- Gently press right lever to go forward. Practice turning left and right in a safe place. Slowly release lever to stop.
- Always come to a complete stop before going in reverse. Likewise, come to a complete stop before resuming forward motion.
- Gently press left yellow lever to go in reverse. Make sure there are no people or obstacles in your way. Slowly release lever to stop.

## Driving Rules

- **DO NOT** turn suddenly at high speeds. The scooter may tip over, causing injury.
- **DO NOT** attempt to travel on any slope greater than 12°. See maximum weights allowed below.



- Use caution when going across or turning on a slope or rough surfaces. Try to go straight up and down slopes.
- When going downhill, use a slow speed.
- **DO NOT** drive over deep or soft surfaces or on icy or slippery surfaces. The scooter may lose traction.
- **DO NOT** drive the scooter through water or wash it with a hose (see Cleaning and Maintenance, page 13).
- Set speed to low when driving indoors or in confined spaces.
- The back of the scooter is wider than the front, so be aware so that you do not run into anything when driving near obstacle.
- **ALWAYS** keep your feet on footrests when driving.
- **DO NOT** use tiller to support yourself when getting on or off the scooter.
- Use caution when using armrests as support when getting on or off the scooter.

## Taking the Scooter in a Car

### NEVER SIT IN THE SCOOTER WHILE IT IS IN A MOVING VEHICLE.

The scooter has been designed to easily take apart and lift into a car. No tools are necessary.

1



2



3



**Turn key off.** Loosen lower seat knob.

Lower armrests and fold down seat back. Lift seat off.

**NOTE:** Lift with bottom of seat. Do not lift up with armrests.

To keep front wheel from swiveling, pull up yellow wheel lock and move it to the left.

4



Remove basket.

5



Raise yellow latch to release battery pack. Grasp carrying handle and remove battery pack.

**NOTE:** Battery pack is heavy. Use caution when lifting.

6



Loosen tiller knob. Fold down tiller. Lightly tighten tiller knob.

The scooter is now in four pieces: basket, seat, battery and frame. Lift frame into car one of two ways:

-If you are able, lift frame up and place it in the car.

-You may also load frame in stages, which is easier for some people. First, disengage brake, so scooter will be in free-wheel mode. Place front wheel in car, and then lift back wheels up and roll frame into car.

**ALWAYS ENGAGE BRAKE AFTER LOADING THE SCOOTER IN CAR.** This will keep scooter from rolling around when car is moving.

Always secure all parts of the scooter in a car with a seat belt or other fasteners. In the event of an accident, flying objects can cause serious injury.

**DO NOT** store the battery in a car under the blazing sun or in direct sunlight. Battery may leak, generate excessive heat or explode.

## Free-wheeling

There may be times when you need to push the scooter. An assistant may want to push the rider, or you may need to roll it into a car.

- **NEVER** get on or off the scooter in free-wheeling mode.
- The assistant must inform the rider before disengaging brake.
- **ALWAYS** make sure the rider is seated before disengaging brake.
- **ALWAYS** disengage brake on a level surface.



**Disengage brake** by pushing up on black brake lever at rear of scooter.

## Care and Maintenance

- Keep your scooter in good condition.
- Make sure the tires have enough air in them.
- Make sure wheels spin freely.
- Keep scooter clean. Clean plastic and metal parts with mild soap, warm water and a clean cloth. Do not use abrasive cleaners or solvents.
- **DO NOT** spray water on scooter. Contact with water may damage electrical components.
- Make sure all knobs are in good condition, and are holding seat and arms tight.
- Check the brake. **IF THE SCOOTER CAN BE PUSHED WHEN BRAKE IS ENGAGED, THE BRAKE MAY BE FAULTY. DO NOT USE YOUR SCOOTER, AND CONTACT YOUR AUTHORIZED SERVICE CENTER.**
- Neither the manufacturer nor your supplier can be held responsible for the safety of this scooter if it has been modified or added to, except with products supplied and fitted by your dealer.
- Use a damp cloth to wipe battery terminals clean (a dry cloth may cause static electricity). Do not use solvents to clean battery case or terminals.
- The battery pack and motor are sealed and require no maintenance. If battery pack has been totally exhausted and will not hold a charge, you may purchase a new battery pack.

## Battery Disposal



- **NEVER** throw batteries away in the trash or burn in a fire. In most areas, it is illegal to burn lead acid batteries or take them to a landfill.
- Take exhausted battery to an approved lead acid battery recycle center near you, such as an auto parts store or an authorized repair center.
- Call your waste collection service to find out if they offer disposal of lead acid batteries.

## Circuit Breaker

- The scooter's electronic controls are programmed to protect the system from abnormal electric overloads with a circuit breaker.
- The circuit breaker will trip if the scooter is:
  - Carry too much weight. Maximum load is 115kgs on level ground. Maximum load on a 9° incline is 90kgs. Maximum load on a 12° incline is 60kgs. See illustration on page 11.
  - Driven over very soft or loose terrain.
  - Driven up too steep an incline (maximum 12°).
- The circuit breaker button is found on the side of the battery pack, opposite the charging port. If the button has popped out, reset the system by pushing the button back in. If it pops out again, wait for five minutes, then try again.
- The circuit breaker should very rarely trip. If it starts to trip repeatedly, contact your service repair center.



## Troubleshooting

PROBLEM	SOLUTION
Scooter will not start.	<ul style="list-style-type: none"><li>● Check that you have turned key on.</li><li>● Make sure battery pack is properly resting on base.</li><li>● If the brake lever is in free-wheel mode, a warning beep will sound, and the unit will not start. Push brake lever down to engage automatic brake.</li></ul>
Battery indicator needle will not move at all, even after a few seconds.	<ul style="list-style-type: none"><li>● Make sure battery pack is connected, and latch is secured.</li><li>● Make sure battery pack is properly resting on base.</li></ul>
Needle still does not move.	<ul style="list-style-type: none"><li>● Release battery latch, and lift off battery pack. Check that all connectors are all upright. Wipe terminals with a damp cloth. Replace battery pack and secure latch.</li><li>● Check that circuit breaker has not popped out (see "Circuit Breaker" above).</li></ul>
Scooter does not slow down when Forward/reverse lever is released.	<ul style="list-style-type: none"><li>● Automatic brake is not working. Turn key off and <b>DO NOT</b> use the scooter. Contact your service center.</li></ul>



**Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.

