

## Warranty & Support

This product is provided with a one year warranty for problems found during normal usage. Mistreating the Bee-Bot or opening the unit will invalidate this warranty.

All out of warranty repairs will be subject to a replacement fee.

## Technical Support

Please visit [www.tts-group.co.uk](http://www.tts-group.co.uk) for the latest product information.

Email [feedback@tts-group.co.uk](mailto:feedback@tts-group.co.uk) for technical support.

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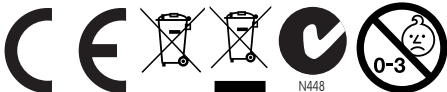
Freephone: 0800 318686 Freefax: 0800 137525

TTS is proud to be part of **RM** plc

## Rechargeable Bee-Bot<sup>®</sup>

WARNING: Do not dispose of this product in household waste. Hand it over to a collection point for recycling electronic appliances.

WARNING! Not suitable for children under 36 months due to small parts – choking hazard. Made in China, on behalf of the TTS Group Ltd.



TTS Group Ltd., Park Lane Business Park, Kirkby-in-Ashfield, Nottinghamshire, NG17 9GU, UK

TTS Product Code:  
**EL000363**



# Bee-Bot<sup>®</sup>

Rechargeable, child friendly,  
programmable floor robot



## USER GUIDE

Age  
3+



**Bee-Bot is an award winning programmable floor robot with a simple, child-friendly layout which is a perfect starting point for teaching control, directional language and programming to young children.**

Please read all instructions carefully before using and retain the packaging as it contains important information.

## Pack Contents

- Bee-Bot
- User guide
- USB charging lead (note that this lead is solely for the purposes of charging the Bee-Bot battery and cannot be used for transferring data).

## Contents

|                          |   |
|--------------------------|---|
| Know Your Bee-Bot        | 3 |
| Recharging Your Bee-Bot  | 4 |
| Programming Your Bee-Bot | 4 |
| Clearing the Program     | 5 |
| Low Sleep Mode           | 5 |
| Battery Precautions      | 5 |
| Care and Maintenance     | 6 |
| Troubleshooting          | 6 |
| Specification            | 7 |
| Warranty and Support     | 8 |

# Rechargeable Bee-Bot<sup>®</sup>

## Know your Bee-Bot



Forward



Backward



90° Left turn



90° Right turn



1 second pause



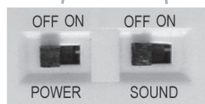
Clear the memory



Start the program



**USB Charging Socket**





## Recharging Your Bee-Bot

- Insert the USB cable into the charging socket on the underneath of your Bee-Bot.
- Connect the other end to a spare USB port on a PC or laptop. Alternatively, connect to a USB charging plug.
- If you have the Bee-Bot docking station, then place the Bee-Bot into the docking station and connect the power cable.
- The green LED in the left eye will turn on to show that the Bee-Bot battery is charging.
- The green LED in the left eye switches off when the Bee-Bot is fully charged
- It may take up to 12 hours to fully charge the Bee-Bot if the battery has been fully discharged.
- Once fully charged your Bee-Bot will have approx. 8 hours of normal usage, approx. 2 hours when in continuous use.

## Programming Your Bee-Bot

Your Bee-Bot has been designed as a simple floor robot.

After initial switch-on, the sequence memory is cleared, pressing <Go> at this point will simply cause a sound to be played and no motion to occur.

The user can press a sequence of commands, which are stored in the sequence memory. A maximum of 40 commands can be stored; each command being either one forward/backward movement, left/right turn, or a pause.

- Each forward or backward command causes the unit to move approx. 150mm in the required direction.
- Each turn command causes the unit to rotate 90°.
- A pause command causes the unit to pause for 1 second.
- When the <Go> button is pressed, the unit will execute all the commands stored in order with a short pause between each command.
- When the command sequence completes, the unit will stop and play a sound. (The sound can be turned on/off using the switch on the underside).
- Pressing <Go > whilst a sequence is running will stop the sequence.

# Rechargeable Bee-Bot<sup>®</sup>

## Clearing the Program

- When the memory in your Bee-Bot is full, no more commands can be entered.
- Pressing the clear key <X> will clear the sequence memory.

## Low power sleep mode

- If your Bee-Bot is not used for 2 minutes, then it will play a sound and go to sleep.
- In sleep mode, very little power is consumed and the batteries will last a long time.
- Pressing any button in sleep mode, wakes the Bee-Bot up, plays a sound and flashes the eyes.

## Battery precautions

- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are only to be charged under adult supervision.
- The supply terminals are not to be short-circuited.
- Regularly examine for damage the plug, enclosure and other parts. In the event of any damage, the toy and charger must not be used until the damage has been repaired.

## Care and maintenance

- If necessary, wipe the Bee-Bot gently with a clean damp cloth
- Keep the Bee-Bot away from direct sunlight and heat.



- Do not allow the Bee-Bot to come into contact with water or other liquids. If painting or gluing on the additional shells, ensure the shells are dry before clipping to your Bee-Bot.
- In the event of static, your Bee-Bot may malfunction. In this case, please switch it off and then back on again to reset it.

The battery fitted to your Rechargeable Bee-Bot is a replaceable DC 3.7V, 500mAh, Lithium Polymer rechargeable battery.

- The battery is located under a removable hatch held in place by a security screw. Using the correct screwdriver, remove the hatch.
- The battery can now be disconnected. Only the correct replacement battery pack can be used. Connect the new battery and carefully locate the battery in its compartment. Being careful not to trap the wires, replace the battery hatch and secure with the screw provided.

## Troubleshooting

Your Bee-Bot is a precision toy that has been designed to work within an Early Years / school environment. However, it is not designed to be dropped or trodden on or otherwise mistreated. Under no circumstances should you open up the Bee-Bot as this will invalidate your warranty.

| Problem                         | Solution  |
|---------------------------------|---|
| Bee-Bot won't do anything       | Ensure Power switch is "ON" Ensure the batteries are charged          |
| Lights on, but no movement      | Recharge the batteries  |
| No sounds                       | Ensure "Sound" switch is "ON"   |
| Bee-Bot doesn't travel straight | Look for foreign objects in wheels Check for smooth patches on wheels |

# Rechargeable Bee-Bot<sup>®</sup>

## Specification

Your Bee-Bot has been designed to be as accurate as possible in its movements. However, due to the natural tolerances of mass-production, we can make no claims beyond those given below. In most cases you will find that your Bee-Bot, on a good clean surface free from bumps, will perform even better.

| Specifications                                   |   |
|--|---|
| Forward/backward movement                        | 150mm $\pm$ 8mm   |
| Left/right turn                                  | 90° $\pm$ 4°  |
| Pause  | 1 second $\pm$ 15%  |
| Speed of movement (depends on battery condition) | approx. 65 mm/sec   |
| Batteries (non replaceable)                      | D.C. 3.7V, 500mAH Lithium Polymer                                     |
| Battery life                                     | approx 8 hours in normal usage (depends mainly on amount of movement) |
| Safety certificates                              | CE, EN71, EN62115, EMC  |

## Waste Electrical and Electronic Equipment (WEEE)



When this appliance is out of use, please remove all batteries and dispose of them separately. Bring electrical appliances to the local collecting points for waste electrical and electronic equipment. Other components can be disposed of in domestic refuse.



The crossed-out dustbin symbols indicates that batteries, rechargeable batteries, button cells, battery packs, etc. must not be put in the household waste. Batteries are harmful to health and the environment. Please help to protect the environment from health risks. If the toy is out of use, please use common household tool to break the product for built-in rechargeable battery operated toy or unscrew the battery door for replaceable battery operated toy, then take the battery out form the toy. Dispose of battery in accordance with your local battery recycling or disposal laws.