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 for the latest product information.

Email feedback@tts-group.co.uk for technical support.

Rechargeable Bee-Bot

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.

CE N448 0-3

RM Education™
TTS is part of the RM group

TTS Product Code:
EL000363

tts **Bee-Bot**

Rechargeable, child friendly, programmable floor robot

USER GUIDE

www.tts-shopping.com

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

Rechargeable Bee-Bot

Know your Bee-Bot

⬆️ Forward

⬇️ Backward

↩️ 90° Left turn

↪️ 90° Right turn

⏸️ 1 second pause

❌ Clear the memory

GO Start the program

USB Charging Socket

OFF ON — POWER   OFF ON — SOUND

3
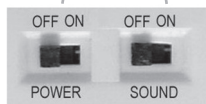
Recharging Your Bee-Bot

- 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 90o.
- 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

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

- Bee-Bot is powered by a Lithium Polymer battery pack which is user replaceable.

- Non-rechargeable batteries are not to be recharged.

- Rechargeable batteries are only to be charged under adult supervision.

- Batteries are to be inserted with the correct polarity.

- Exhausted batteries are to be removed from the Bee-Bot

- 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

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.

Problem	Solution
Forward/backward movement	150mm ±8mm
Left/right turn	90° ±4°
Pause	1 second ±15%
Speed of movement	approx. 65 mm/sec (depends on battery condition)
Batteries	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