



# TTS Group IT10082 Blue-Bot Programmable Floor Robot User Guide

[Home](#) » [TTS Group](#) » TTS Group IT10082 Blue-Bot Programmable Floor Robot User Guide 

## Contents

- [1 TTS Group IT10082 Blue-Bot Programmable Floor Robot](#)
- [2 Programming Blue-Bot](#)
- [3 Low Power Sleep Mode](#)
- [4 Care & Maintenance](#)
- [5 Warning](#)
- [6 Waste Electrical and Electronic Equipment \(WEEE\)](#)
- [7 Specifications](#)
- [8 Technical Support](#)
- [9 Documents / Resources](#)
  - [9.1 References](#)
- [10 Related Posts](#)



**TTS Group IT10082 Blue-Bot Programmable Floor Robot**



## Programming Blue-Bot

- After the initial switch is on, any stored sequences are cleared.
- If Blue-Bot is inactive for approximately 5 minutes, it will play a sound and go into sleep mode. Pressing any button will wake it up.
- Blue-Bot Interaction
- To enable the Blue-Bot interaction, ensure all switches on the base are in the 'ON' position. Blue-Bot will recognize another Bee-Bot or Blue-Bot when passing by within a distance of approximately 25cm, environmental conditions such as sunlight and varying temperature can affect this range by +/-10cm. When the sensor is activated Blue-Bot will play a default sound depending on which bot has been detected. The sound will activate every 5 seconds.
- The user can choose to record their own voice on the sensor, so instead of the pre-recorded sound playing when it senses another Bot, it will play the user's recorded sound. To do this press and hold the Go button for 2 seconds until a single beep is heard and record your sound. When the double beep is heard the record time has ended. To clear this function press and hold the clear button for 2 seconds until the double beep is heard.
- To turn this function off move the sensor switch on the base to the 'OFF' position.
- Personalization for command buttons
- The user can record 2 seconds of audio for each command simply by pressing the command button for 2 seconds until a single beep is heard. When the double beep is heard the record time has ended. Once recorded, audio will
- playback as the command buttons are pressed and then again as Blue-Bot works its way through the commands.
- To reset to the original function, simply press the clear button for 2 seconds until a double beep is heard.

## Low Power Sleep Mode

- If your Blue-Bot is not used for 5 minutes and the sensor switch is in the 'OFF' position, Blue-Bot will play a sound and go into sleep mode.
- If your Blue-Bot is not used for 10 minutes and the sensor switch is in the 'ON' position, Blue-Bot will play a sound and go into sleep mode.
- In sleep mode, very little power is consumed. To wake Blue-Bot up press any button, the eyes will flash and a sound will play.

## **Pairing**

Bluetooth v4.0, Bluetooth Smart, and BLE devices should not need to be paired with Blue-Bot. For devices without Bluetooth v.4.0, Smart and BLE the Blue-Bot app will establish a connection when it is needed.

- Locate the Bluetooth settings on your device.
- Switch Bluetooth on and search for nearby devices.
- Turn Blue-Bot on to make it discoverable with your device.
- Blue-Bot will appear on the list of devices available.
- Select Blue-Bot on the list to pair with.
- Once Blue-Bot has paired it can be controlled from the Blue-Bot app/software.

## **Renaming Blue-Bot**

Blue-Bot has the default Bluetooth name "Blue-Bot". This name can be changed within the Blue-Bot app settings. Where more than one Blue-Bot is being used in one area it is sensible to change the Bluetooth names. When a name is changed this could be noted on Blue-Bot's underside or perhaps as a small number plate. Using a range of Bluetooth names will make Blue-Bot easier to manage in the classroom.

## **Recharging Blue-Bot**

1. A USB cable is provided for charging purposes.
2. Eyes flash Red to indicate low battery, and Blue-Bot needs recharging.
3. Eyes light up red to show Blue-Bot is charging.
4. Eyes light up green when Blue-Bot is fully charged.
5. It may take up to 2 hours to fully charge Blue-Bot if the battery has been fully discharged.
6. Once fully charged Blue-Bot will have approx. 6 hours of normal usage, approx. 1.5 hours when in continuous use.
7. The unit must be switched off to charge to help speed up the charging process.
8. To get the best out of Blue-Bots battery life we recommend that the unit is fully charged after every use.
9. We also do not recommend that you leave Blue-Bot on continuous charge. Once the eyes turn green please remove them from charge.
10. We recommend that you give Blue-Bot at least one full charge every 3 months even if it hasn't been used to prevent the battery from deteriorating.

## **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 to 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.
- Exhausted batteries are to be removed from the product.
- For instructions on how to remove/change the battery please refer to the 'Getting Started Guide' on our website <https://www.tts-group.co.uk/bee-bot%2Fblue-bot-replacement-battery/1015414.html>

## Care & Maintenance

If necessary, wipe Blue-Bot gently with a clean damp cloth.

- Keep Blue-Bot away from direct sunlight and heat.
- Do not allow Blue-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 Blue-Bot.
- In the event of a static discharge, Blue-Bot may malfunction. In this case, please switch it off and then back on again to reset it.
- 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. Connected the new battery and carefully locate the battery in its compartment. Being careful not to trap the wires, replace the battery hatch, and secure it with the screw provided.

## Important Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

## Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

## Bluetooth Pairing

Bluetooth v4.0, Bluetooth Smart og BLE-enheder kræver almindeligvis ikke parring med Blue-Bot. For enheder uden Bluetooth v.4.0, Smart og BLE vil Blue-Bot appen anmode om oprettelse af Bluetooth forbindelse, når der er brug for det.

## 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 indicate 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 a common household tool to break the product for a built-in rechargeable battery-operated toy or unscrew the battery door for a replaceable battery-operated toy, then take the battery out from the toy. Dispose of the battery in accordance with your local battery recycling or disposal laws.
- This product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

## Specifications

- Frequency Band Range: 2.400 – 2.483GHz
- Maximum Radio-Frequency Power: <10mW
- Sensor: Within approx. 25cm +/-10cm
- (environment dependant)
- Forward/backward movement: 150mm ± 8mm
- Left/right turn: 90 ± 4
- Pause: 1 second ±15%
- Speed of movement (depends on battery condition): approx. 55mm/sec

## Technical Support

- TTS GROUP LTD.
  - Building 1
  - Heyworth Road
  - Hucknall
  - Nottingham
  - NG15 6XJ
  - UK Tel: 0800 138 1370
  - Fax: 0800 137 525
  - Please visit [www.tts-group-co.uk](http://www.tts-group-co.uk) for the latest product information. TTS is proud to be part of plc TTS
- Product Code: IT10381

## Documents / Resources



[TTS Group IT10082 Blue-Bot Programmable Floor Robot](#) [pdf] User Guide  
IT10381, 2ADRE-IT10381, 2ADREIT10381, IT10082 Blue-Bot Programmable Floor Robot, IT1  
0082, Blue-Bot, Programmable Floor Robot

## References

- [TTS | School Supplies for Primary, Secondary & Early Years](#)
- [Buy Bee-Bot®/Blue-Bot® Replacement Battery | TTS](#)

Manuals+,