



# InO-Bot™

The perfect tool to extend  
Scratch activities



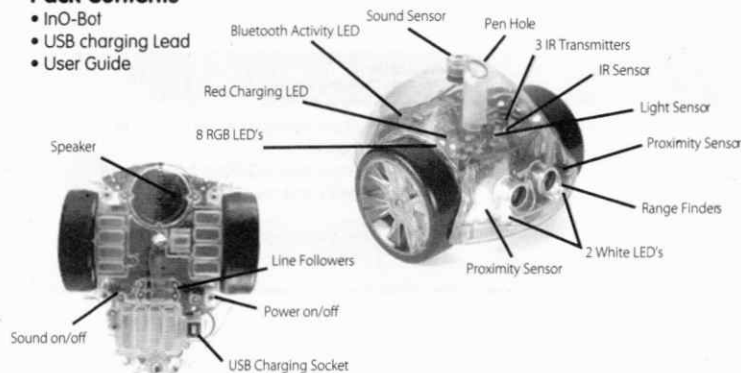
## User Guide

[www.tts-group.co.uk](http://www.tts-group.co.uk)

### Know Your InO-Bot

#### Pack Contents

- InO-Bot
- USB charging Lead
- User Guide



#### Compatibility

InO-Bot will operate with Windows 7, 8.1 or 10, iOS 10+ and Android 5+ using compatible Bluetooth hardware. InO-Bot is compatible with Bluetooth Specification version 4.0 + EDR onwards.

#### Programming Your InO-Bot

##### Windows

Your InO-Bot can be controlled from Scratch 2.0 Offline when opened using the TTS Scratch Launcher. The TTS Scratch Launcher can be downloaded from the TTS website on the InO-Bot product page, in the 'Support material' section.

##### iOS and Android

The InO-Bot app is available for Android and iOS which can be downloaded from Google Play or iTunes App Store.

The InO-Bot can only be controlled using the TTS Scratch Launcher or the InO-Bot App.

## Using Your InO-Bot

To switch your InO-Bot on move the power switch on the base to the "ON" position. Once switched on a blue LED will flash intermittently to indicate your InO-Bot is operational. To enable sound on your InO-Bot move the sound switch to the "ON" position.

## Connecting to your InO-Bot

**For windows only - Bluetooth pairing is required:**

- Turn your InO-Bot on to make it discoverable with your device.
- Locate the Bluetooth settings on your device.
- Switch Bluetooth on and search for nearby devices.
- The InO-Bot will appear on the list of devices available.
- Select the InO-Bot on the list to connect with and activate pairing.

**For iOS and Android, Bluetooth pairing is not required. Do not manually pair a tablet with InO-Bot.**

- Locate the Bluetooth settings on your device and switch Bluetooth ON.
- Switch on your InO-Bot using the Power "ON" switch on the base of your device.
- Launch the InO-Bot app on your device.
- When connecting your InO-Bot for the first time, your InO-Bot will show in the list of available bots in the pop up screen.
- Press "CONNECT" to connect your InO-Bot to your device.
- Once connected this will be highlighted in the top left corner of the screen with the words "Connected InO-Bot".

**Please Note:** If an InO-Bot has been previously connected to the app, the app will automatically connect to the available InO-Bot.

## Disconnecting your InO-Bot

- Press the "Connected InO-Bot" in the top left hand corner of the screen, this will bring up a pop up screen.
- Press "Disconnect" to disconnect your InO-Bot from your device. Closing the app will also disconnect InO-Bot.

## Recharging Your InO-Bot

- Insert the USB cable into the charging socket on the underside of your InO-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 InO-Bot docking station, then place the InO-Bot into the docking station and connect the power cable.
- All RGB LEDs will flash red to indicate InO-Bot requires charging.
- The red LED indicator will show solid red while charging.
- The red LED indicator will turn off when the InO-Bot is fully charged.
- It may take up to 4 hours to fully charge the InO-Bot if the battery has been fully discharged.
- Once fully charged your InO-Bot will have approx 5-6 hours of normal usage, approx 3 hours when in continuous use.

Always fully charge the InO-Bot before storing for long periods. As a minimum InO-Bot must be recharged every six months to maintain optimum battery capacity.

## Battery Precautions

- InO-Bot is powered by a Lithium Polymer battery pack which is not user replaceable.
- 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.

## Care & Maintenance

- If necessary, wipe InO-Bot gently with a clean damp cloth.
- Keep the InO-Bot away from direct sunlight and heat.
- Do not allow the InO-Bot to come into contact with water or other liquids.
- In the event of a static discharge, your InO-Bot may malfunction. In this case, please switch it off and then back on again to reset it.
- The battery fitted to your Rechargeable InO-Bot is a 3.7V 1500mAh, Lithium Polymer rechargeable battery.

## 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:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

## Specification

Your InO-Bot has been designed to be as accurate as possible in its movements. However, the following tolerances do apply but in most cases you will find that your InO-Bot, will perform even better on a good clean surface free from bumps.

### Specifications

Forward/backward movement	100mm $\pm$ 7mm
90° turn	$\pm$ 4 degrees
Speed of movement (depends on battery condition)	100mm/sec
Batteries	3.7V 1500 mAh Lithium Polymer
Battery life	Approx. 5-6 hours of normal usage, approx. 3 hours when in continuous use
Ultra sonic range finders	2cm to 150cm $\pm$ 5%
Light sensor range	0-255
Line sensor range	Will follow a black line 5-10mm thick
Sound sensor	0-255
Proximity sensor	On/Off
Infra-Red	255-0
Bluetooth range	Approx. 10 metres

### Trouble Shooting

Your InO-Bot is a precision floor robot that has been designed to work within a school environment. However, it is not designed to be dropped or trodden on or otherwise mistreated.

Problem	Solution
InO-Bot will not function	Ensure power switch is in the "ON" position Ensure your InO-Bot is fully charged Ensure you are within Bluetooth range
No Sound	Ensure the sound switch is in the "ON" position

### Warranty & Support

This product is provided with a one year warranty for problems found during normal usage. Mistreating the InO-Bot or opening the unit will invalidate this warranty. Any consequential loss is not covered by this warranty. The battery is not user replaceable. Under no circumstances should you attempt to open up your InO-Bot as this will invalidate your warranty.

### 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.

TTS Group Ltd.  
Park Lane Business Park  
Kirkby-in-Ashfield  
Nottinghamshire  
NG17 9GU, UK.  
Freephone: 0800 318686 Freefax: 0800 137525.

**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 TTS Group Ltd.

TTS Product Code:  
**EL00483**

