AGES
6+

DOT
ROBOT

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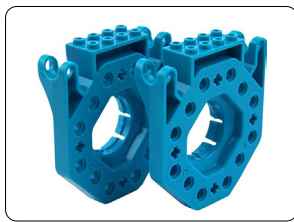
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WHAT'S IN THIS KIT?

1x Dot Robot *(comes in two parts, Ball and clip on stand)*

1x USB charging cable
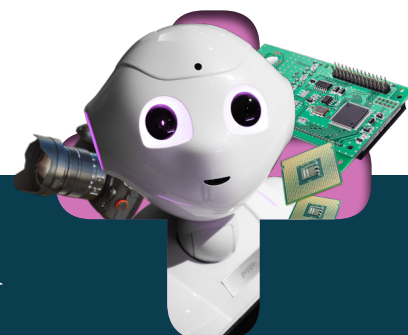
2x Brick extenders

Dot robot

Brick extenders

USB charging cable

BEFORE RETURNING

- Please erase your data from the robot. To do this press and hold the 3 orange buttons on top and power button until all the lights turn red and then they turn off.

- Please ensure all parts and returned in good condition with the set

This item **MUST BE** returned to the library desk during branch opening hours.

DO NOT RETURN VIA THE RETURN CHUTE

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WHAT YOU NEED

- **A smart device** *(either a phone or tablet with bluetooth connectivity)*

- **One of the Wonder workshop Apps** *(these are free with no in-app purchases)*

Compatible Apps:

You can find what apps are compatible with your robot [here]

These are the apps we recommend using:

| Go | Wonder | Blocky |

(All are available on both the Apple App Store and Google Play Store for free with no in-app purchases)

DEVICE COMPATIBILITY DETAILS

Please check the app/ google play store for up to date details regarding compatible devices.

BEFORE YOU START

- Download app/s
- Charge the robot using the USB cable with the Kit

CHARGING INFORMATION

- Dot has a rechargeable battery
- Plug into the wall or computer via the included USB cable to charge
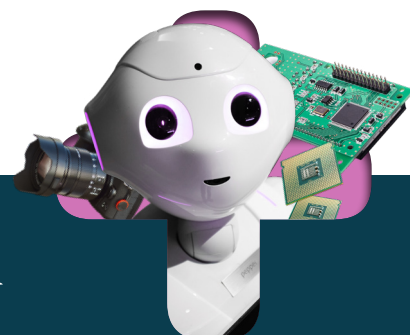- It takes 60 to 90 minutes to charge.

- The robot is charging when the micro USB connection port illuminates with the cord plugged in and when the light turns off the robot is fully charged.

- Dot has a battery life of several hours.

- The power button will flash when they have less than 10 % battery left.

SET UP (CONNECTING TO DOT ROBOT)

1. Open up either, Go, Wonder or Blockly app

2. When first opening the apps, you may be asked to allow bluetooth access *(this is required to connect with the robot)*

3. Ensure robot is charged and powered on *(to turn on use the white power button next to the USB charging port)* and is physically close to your device when attempting to connect

4. App will talk you through steps to connect to robot, when you see it

5. Once connected your dot robot may require an update *(which normally only takes a few minutes to perform)*

For information about set up for brick extensions you can go [here]

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HOW TO PLAY

You must download the following apps and connect via a smart device to interact with the dot robot

GO App

- Allows you to control the robot via the app *(including changing colours and recording audio)* This is a good one to get started with to learn how to connect and control your Dot Robot.

Wonder App

- Teaches blockly programming skills through guided activities and challenges

  - **Controller:** will allow you to control the robot manually *(like Go App)*
  - **FreePlay:** you can upload pre-made sequences *(or create your own)*
  - **Scroll Quest:** will walk you through various challenges *(this is a good starting point)*
  - **Wonder Cloud:** allows you to share projects with others
  - **Inventors Log:** Tracks your progress through challenges

Blockly App

- Allows you to code and play out sequences on the Dot robot

  - **Puzzles:** Will walk you through some progressive challengers *(this is a good starting point)*
  - **My Projects:** allows you to download shared projects *(or create your own)*
  - Assignments is not able to be used outside of a classroom setting for individual users

ACTIVITY IDEAS

Create a course using all the colour codes you know.

Explore more ideas via the Ozobot website.

TROUBLESHOOTING AND SUPPORT

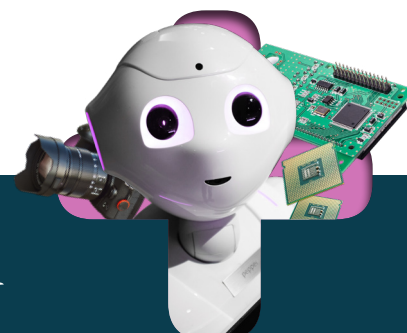There is an excellent collection of support documents and videos here

We'd love to see your stories!

Tag us on Instagram and Facebook
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#libraryofthings

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TECH SPECS FOR DASH & DOT

Children can program Dash & Dot using intuitive, drag-and-drop interfaces on iPads and Android tablets. here are some of the features they can control!

Dot

Lights - There are 12 LEDs in Dot's eye. In Dot's ears and eye, there are RGB LEDs.

Sounds - Includes a variety of pre-programmed sounds!

Microphone - Dot has 1 microphone, allowing Dot to hear claps and voices.

Buttons. Dot has 4 programmable buttons (see above).

Accelerometer - Dot's accelerometer allows Dot to know when you are tossing, shaking, moving, or tilting Dot. Note: Dot's Blockly events are from Dot's perspective, so you should hold it from behind to have the same perspective.

Look Up   **Look Down**   **Lean Right**   **Lean Left**

Buttons. 4 programmable buttons.

Top Button

Button 1

Button 3

Button 2

When [Top Button]

When [Dash] [Bu...]