

# Battery bit datasheet



The battery bit provides power to the Invention Engine hub via the USB-A socket.

The battery bit comes with a holster to allow it to be attached to cardboard. There is also a power switch on one side.

The battery bit uses four 'AA' batteries.

Use in ports	Stencil guide	Bit type	Block category
Not applicable	©	Power	Not applicable

## Programming blocks

There are no programming blocks for the battery bit as it provides power only.

## In the real world

Any real-world invention that is portable will use batteries just like the battery bit. Battery power allows an invention to be carried and used away from a tethered power source. This is useful for inventions that are going to be carried with someone or used outside away from a power socket.



### **WARNING!**

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable.
- The supplied battery box can be used with the Invention Engine hub only.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery cannot be subjected to high or low extreme temperatures, low air at high altitude during use, storage or transportation.
- Replacement of a battery with an incorrect type that can defeat a safeguard.
- Disposal of a battery into fire or hot oven, or mechanically crushing or cutting of a battery that can result in an explosion.
- Leaving a battery in an extremely high temperatures surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.