

littleBits Project Instructions Revision

Problem

The littleBits Gizmos & Gadgets kit provides inventors from the ages of 8 to infinity with instructions for building ten different inventions or projects. For those new to littleBits, however, the instructions can be confusing and misleading. According to the instructions for the Bitbot, for example, the project can be completed in what appears to be five easy steps. However, as *Figure 1: Bitbot Step 1* illustrates, there are at least seven individual steps that make up step 1.

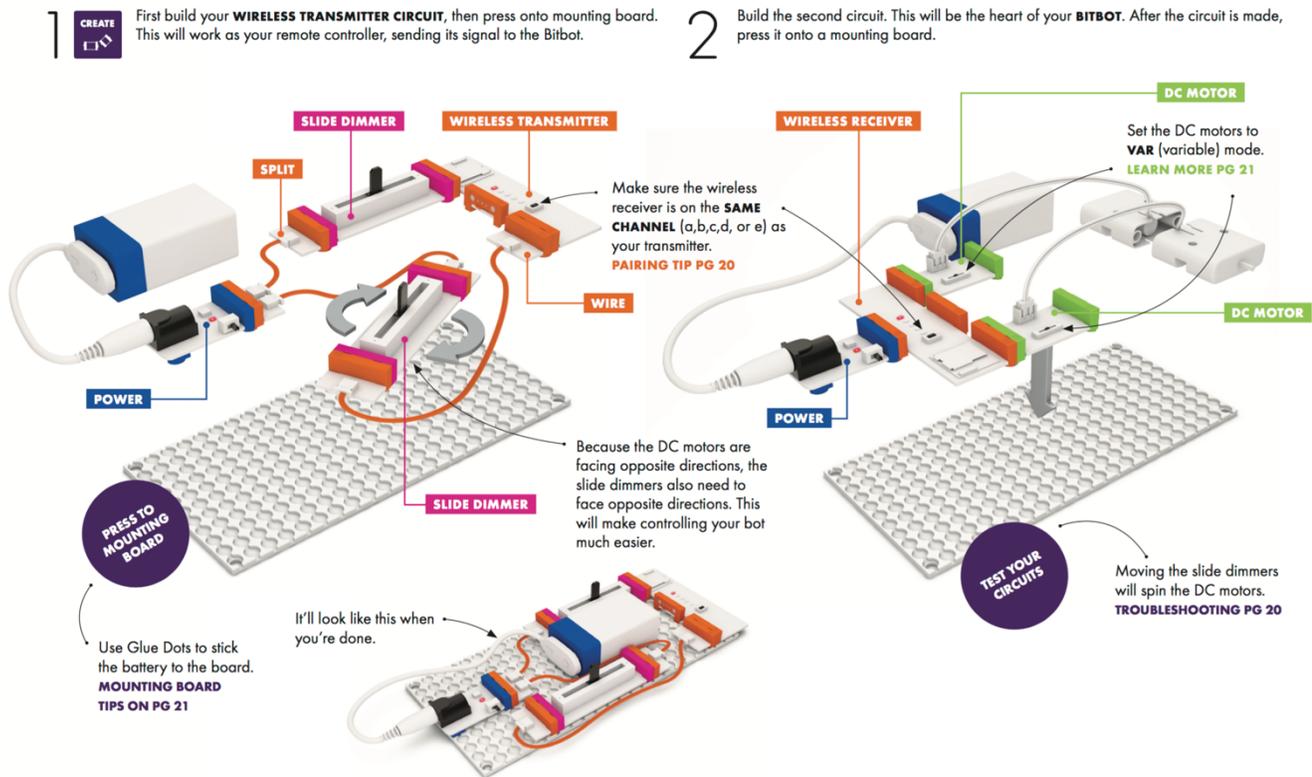


Figure 1: Bitbot Step 1
(Image credit: littleBits, 2016)

While this does not pose a problem for those familiar with littleBits, it can be confusing for younger audiences and especially to those who have previously never used littleBits.

In addition to the over-simplified steps, littleBits can be difficult to work with especially when trying to get the individual components to firmly attach to the mounting board. And while the instruction manual does provide a troubleshooting section, littleBits does not address this issue.

Assignment

Using the principles of writing clear, audience friendly instructions, revise the instructions for the Bitbot project **or** the Rotolamp project. Your revised instructions must include:

- A list of parts **and** tools required
- Numbered, step-by-step instructions (limit one action per step)
- Photos or illustrations to accompany each step and to illustrate the finished project
- Comments, notes, and feedback (as appropriate)
- A troubleshooting section that addresses issues that you've encountered while playing with littleBits that **are not** addressed in the published littleBits troubleshooting section
- Safety information (dangers, warnings, and cautions—as appropriate)