

LED MoonBoard Installation Guide

Version 1.0 February 2016



MOONBOARD
TRAIN HARD
CLIMB HARDER
BEN MOON

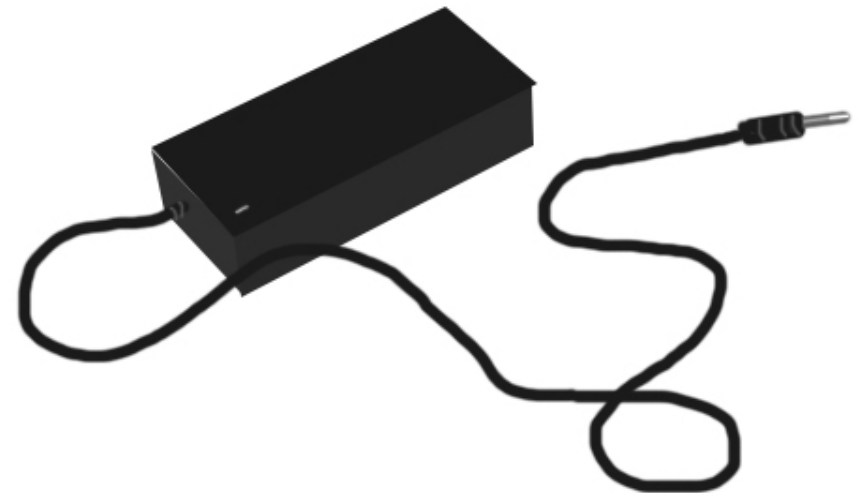
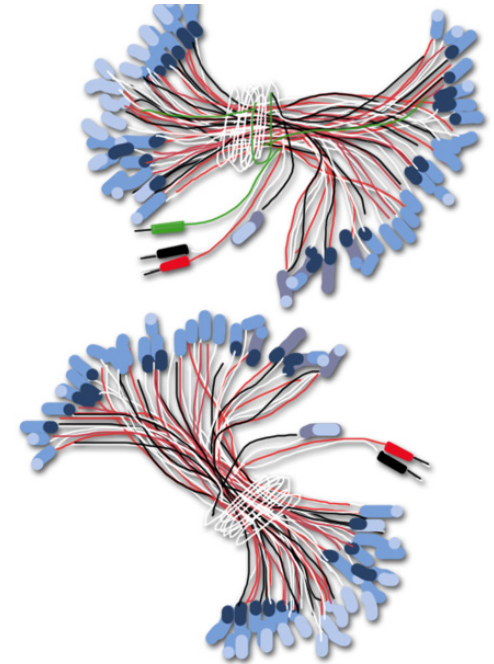


Equipment you will need

- Drill
- 1/2 inch (13 mm) drill bit
- Measuring Tape
- Chalk Line
- Sandpaper

LED system components

- 1 x MoonBoard control box
- 2 x strings of MoonBoard LED lights: String A has a green, red and black connector, String B has a red and black connector.
- 1 x power supply (5V)
- 1 x mains power adaptor
- 1 x spare LED





Preparing your MoonBoard LED holes

Starting from the top of the Moonboard place a mark every **8 inches** down each side of the board (half way between your pre-existing bolt holes). Use the chalk line to snap a horizontal line between the marks from one side to the other.

Each LED light is designed to be installed below the hold it lights-up. For example, the LED for hold B3 will be installed below the B3 t-nut.

Drill **1/2 inch (13mm)** holes on the chalk line below each t-nut. If necessary, use sandpaper to remove any sharp edges.

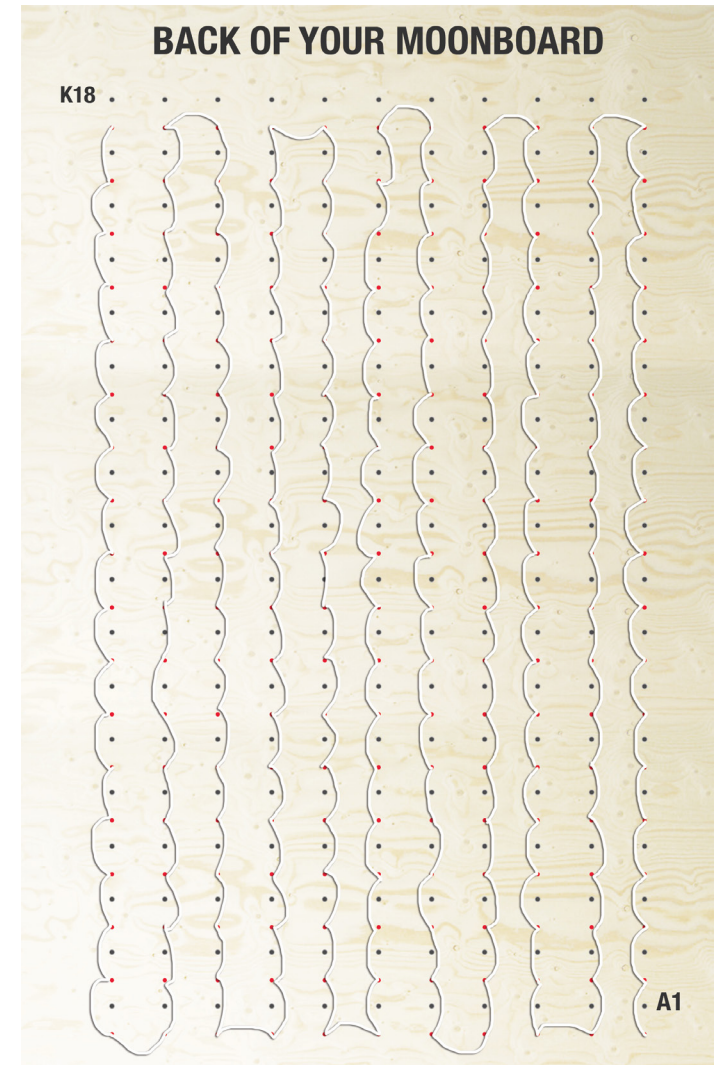
Installing your LEDs

Carefully unravel LED string A. The first LED closest to the connectors is clearly labelled A1. This LED will illuminate hold A1 on the MoonBoard.

From the back of your Moonboard, start at A1 and push the first LED into the hole you have drilled until the bulb is flush with the climbing side of the wall. The next LED on the string is A2, and so forth.

Install the LEDs in a zig-zag pattern going up one column and down the next. (see diagram on right of this page). For example: up column A, down column B, up column C etc...

Once you have used all of the LED's in string A, connect the LEDs from string B to set A using the push fit connector, and continue installing in the zig-zag pattern.





The MoonBoard Control Box

Mount the Moonboard control box in an area where users can access the reset button. To avoid wires being disconnected, it may be necessary for commercial climbing gyms to box-in the bottom section of the control box where the wires enter the MoonBoard.

Connect the wires from the LEDs with their corresponding coloured sockets on the MoonBoard control box.

Plug the power supply into the control box then plug into the mains. Do not use any other power supply than the one provided in your kit.

Install the MoonBoard app onto your smartphone or tablet...
... and CLIMB.

