

AZ-Delivery

Welcome!

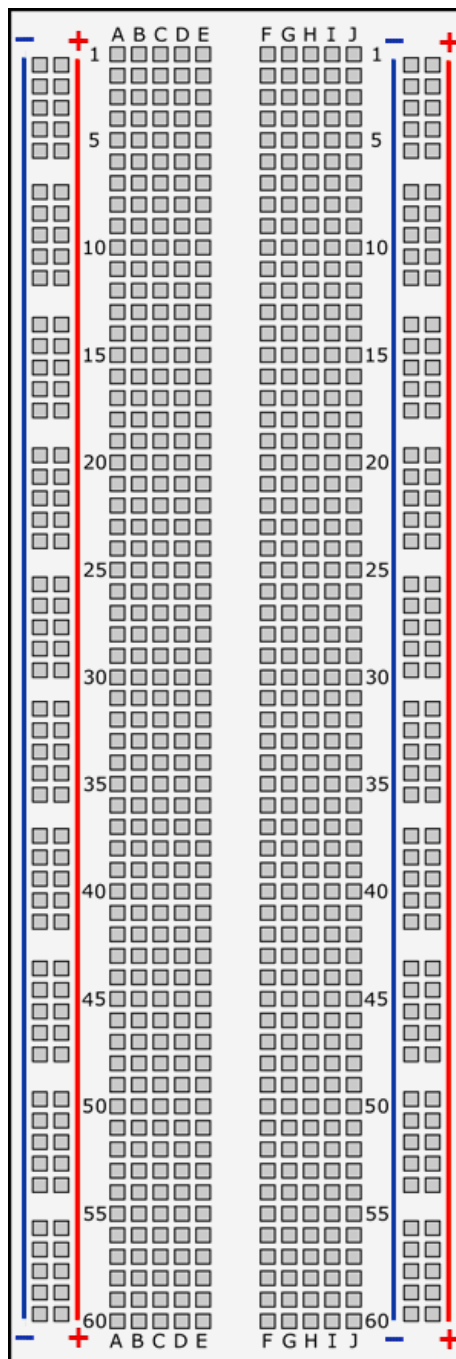
Thank you very much for purchasing our AZ-Delivery breadboards and jumper wires. On the following pages, we will introduce you to how to use and setup this handy device.

Have fun!



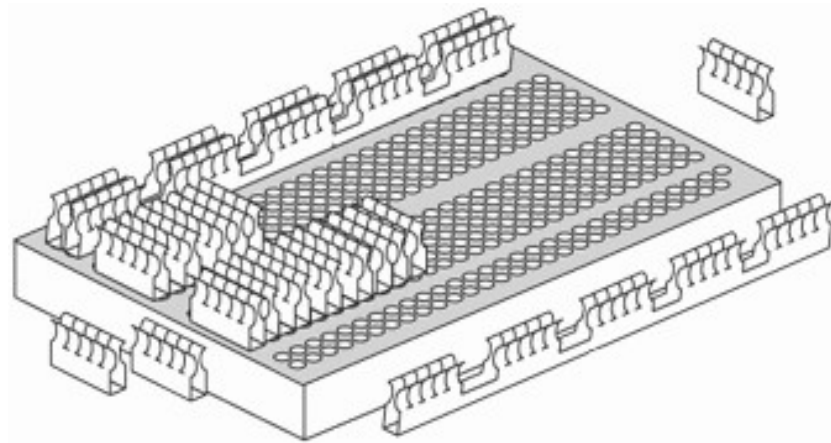
Az-Delivery

Breadboard is very handy board for prototyping or learning electronics. It comes in two versions, solder breadboards and solderless breadboards. In this manual we will focus on solderless breadboards.



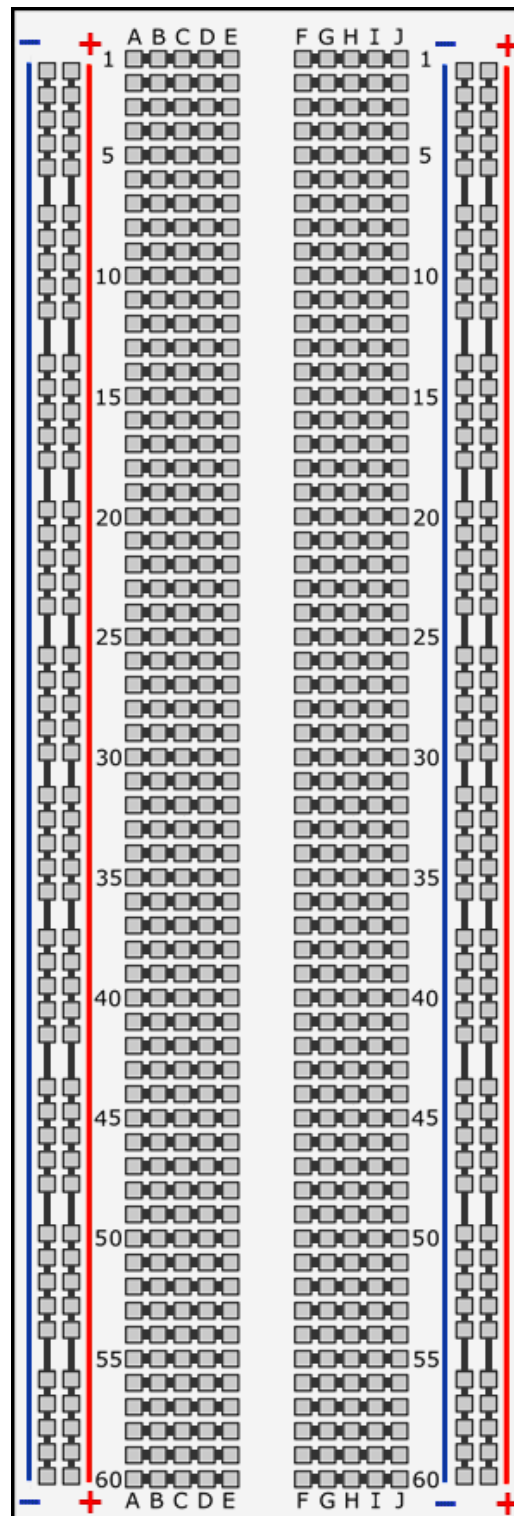
Az-Delivery

Breadboard is a board for connecting other electronics boards, devices, or parts. It have many metal rods stacked up in columns and rows, and rods are covered with plastics like on images below.



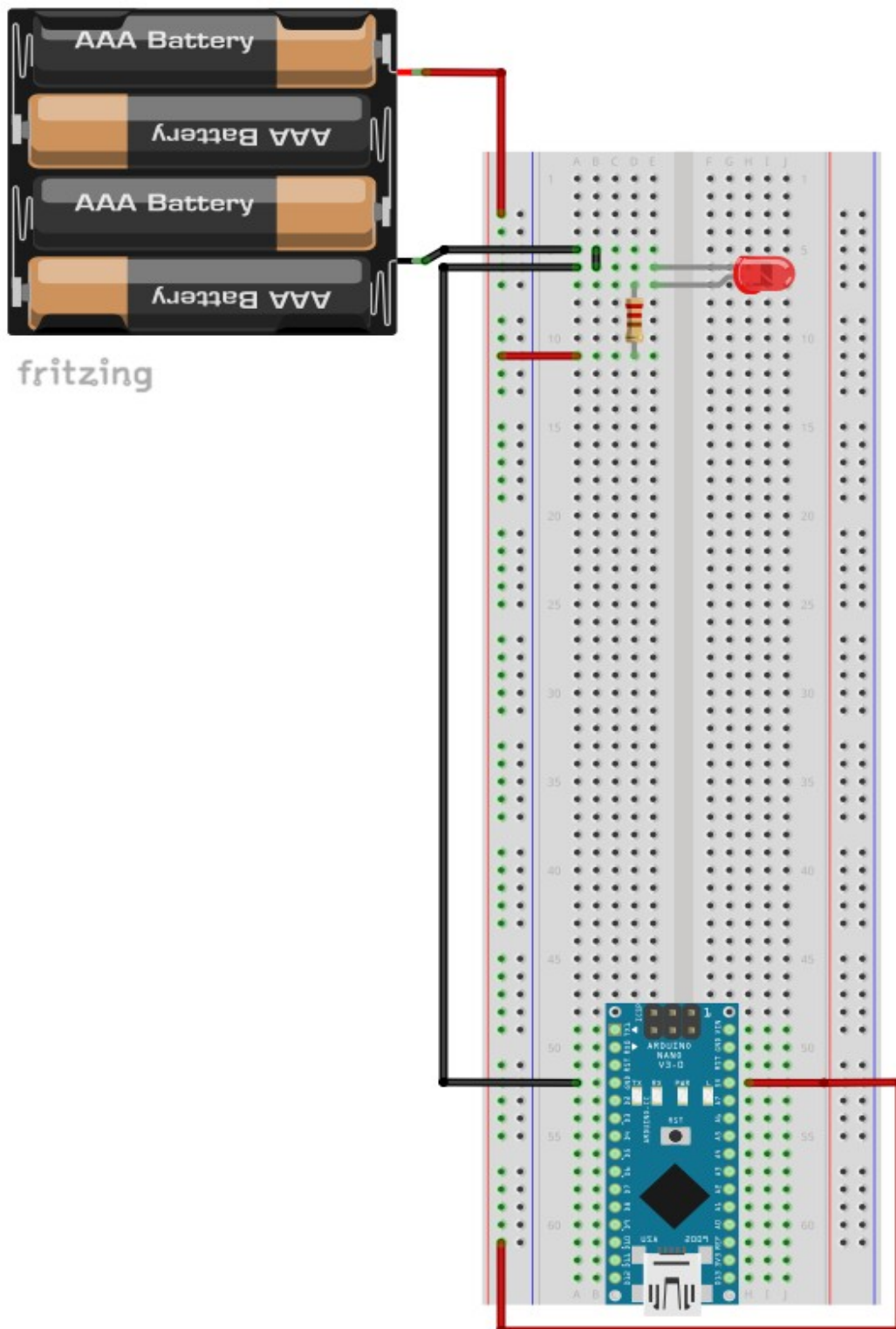
Az-Delivery

And that it is, just connections for other electronics parts. Holes on breadboard are connected like on image below (black lines).



Az-Delivery

One connection example; we use batteries to power up one LED and Arduino Nano board:

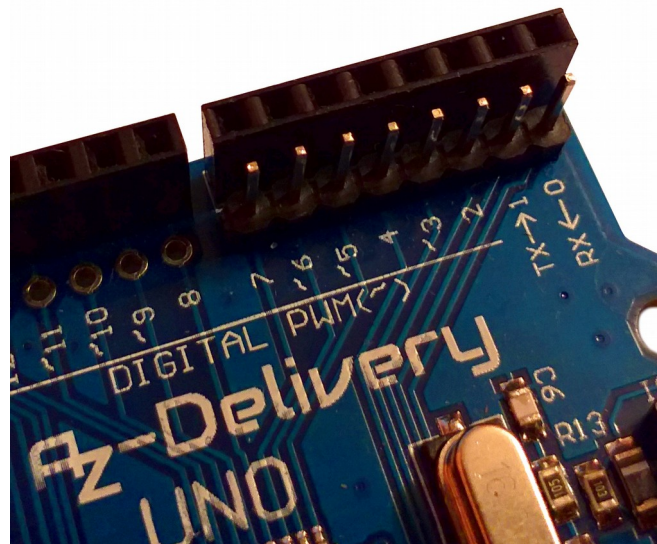


Az-Delivery

On the image on previous page we used red and black wires to make connections between some rows and columns of breadboard. Those wires are called jumper wires. Depending on the end of wire there are three types of jumper wires:

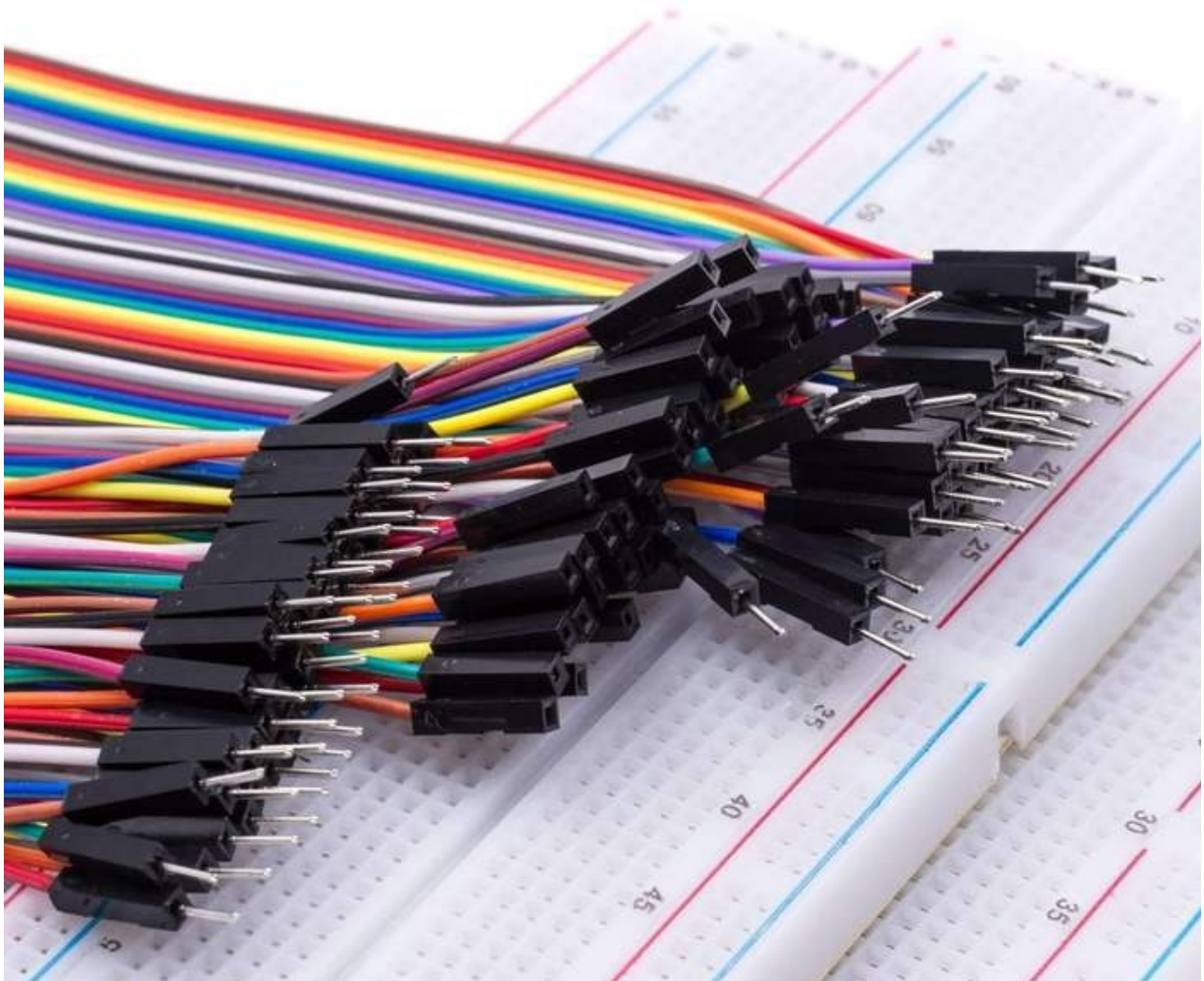
- female to female
- male to female
- male to male

And as you can guess it, we connect wire ends: male end to female end. Here is our Arduino Uno board, with two types of headers: female upper header, and male lower header.



Az-Delivery

When you take a look on ends of jumper wires in this set:

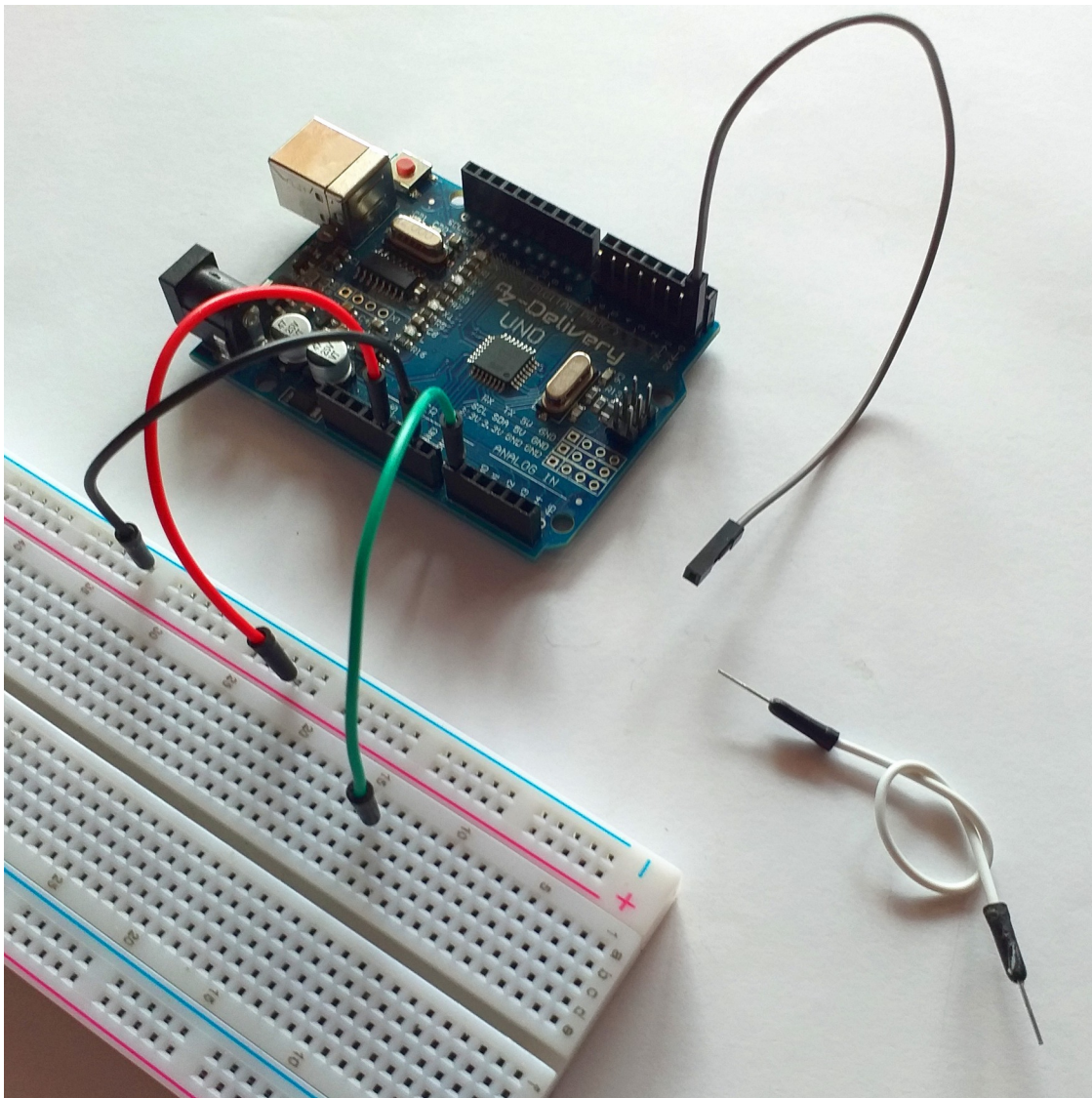


you see male and females end.

So we use male ends to make connections on breadboard, because breadboard only has a holes.

Connection example

We use breadboard and jumper wires to make connections with our Arduino Uno, which have female and male headers.



You've done it, you can now use your module for your projects.



Now it is time to learn and make the Projects on your own. You can do that with the help of many example scripts and other tutorials, which you can find on the internet.

If you are looking for the high quality products for Arduino and Raspberry Pi, AZ-Delivery Vertriebs GmbH is the right company to get them from. You will be provided with numerous application examples, full installation guides, eBooks, libraries and assistance from our technical experts.

<https://az-delivery.de>

Have Fun!

Impressum

<https://az-delivery.de/pages/about-us>