

BrewBench

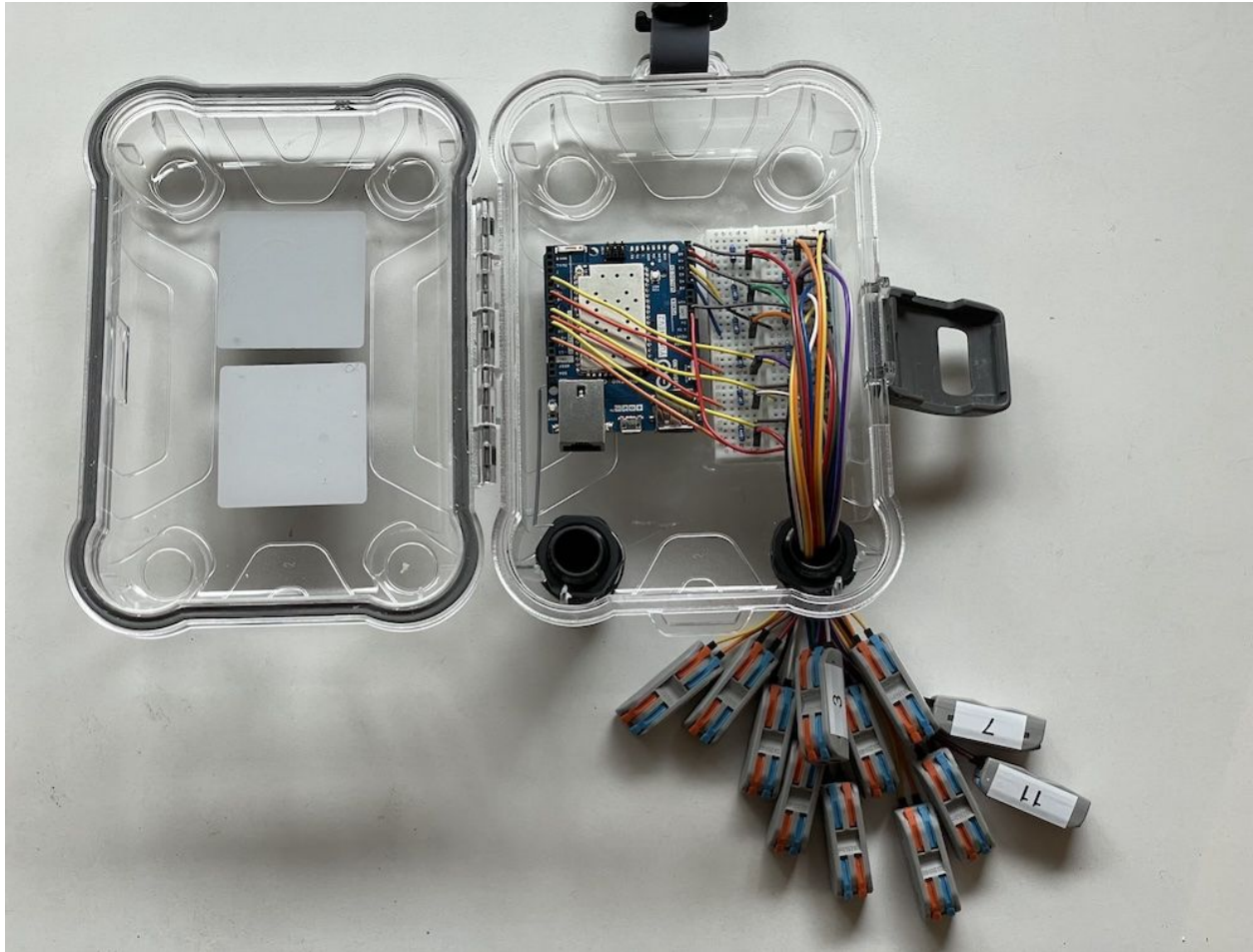
Breadboard Box User Manual

BBBBB-10000



- 12 Temperature Probes

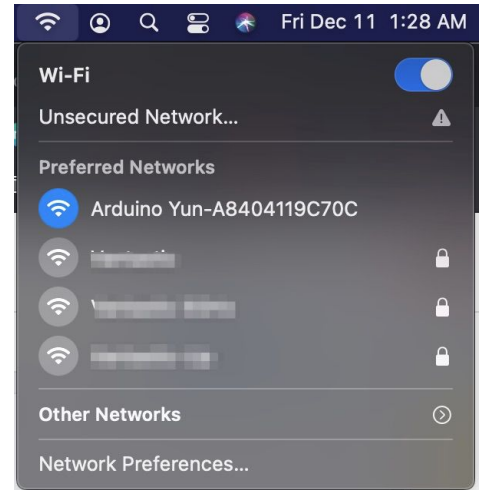
Great for your brew house, barrel room, keg room, walk in cooler, refrigerator, glycol and most importantly all of your fermenters!




The bread board box allows for quick sensor additions or to replace ones that have failed at a low cost. Components are not soldered in but connected through a breadboard. This box includes 12 thermistor sensors with 10K ohm resistors.

Settings Up the BrewBench Box

1. Power on the BrewBench Box.
2. Connect to the WiFi starting with **Arduino-Yun-**
3. Then go to <http://192.168.240.1>
4. Login with password: **arduino**
5. Click on Configure and give your BrewBench Box a sweet name with no spaces. This will be the hostname of the device.
6. Then change the password from arduino to something else.
7. And finally select your WiFi network and enter the WiFi password. Unless you have already connected an ethernet wire.





WELCOME TO ARDUINO CONFIGURE

WiFi (WLAN0) CONNECTED

Address	192.168.240.1
Netmask	255.255.255.0
MAC Address	A8:40:41:19:C7:0C
Received	49.30 KB
Trasmitted	142.14 KB

WIRED ETHERNET (ETH1) DISCONNECTED

MAC Address	A8:40:41:11:C7:0C
Received	0.00 B
Trasmitted	0.00 B

UPLOAD SKETCH

Select a .hex file (compiled sketch) and upload it on the microcontroller of this Yún.
For more information about how to obtain the .hex file of your sketch, visit [this page](#).

No file chosen



For more advanced network configuration features, see the [advanced configuration panel \(luci\)](#)

YÚN BOARD CONFIGURATION ?

YÚN NAME *

PASSWORD

CONFIRM PASSWORD

TIMEZONE *

WIRELESS PARAMETERS ?

CONFIGURE A WIRELESS NETWORK

DETECTED WIRELESS NETWORKS [Refresh](#)

WIRELESS NAME *

SECURITY

PASSWORD *

DISCARD

CONFIGURE & RESTART

REST API ACCESS ?

REST API ACCESS OPEN WITH PASSWORD

Sensor App

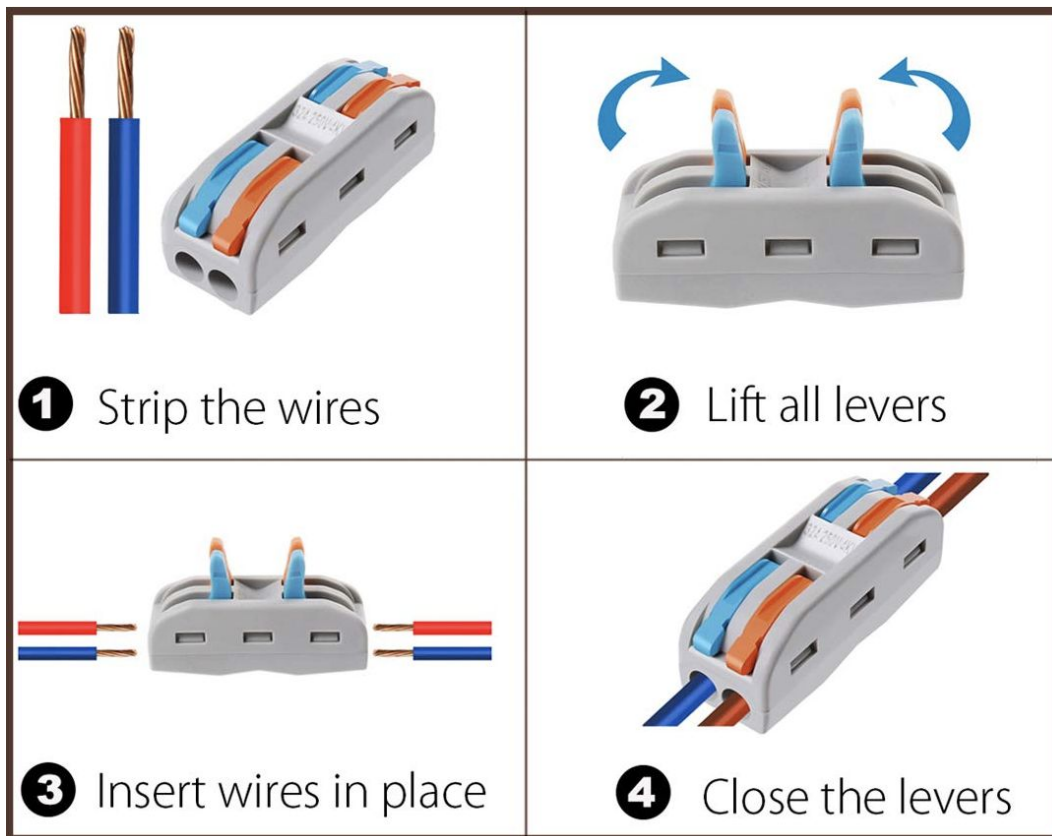
1. Download the BrewBench Monitor app to configure the sensor. <https://www.brewbench.co>.
2. The BrewBench Box was configured with your account.
3. After connecting it to your WiFi you will see readings on the app.



Wiring the Box

There are 12 wires and 12 lever wire nuts. Each sensor is a 2 wire sensor 3 meters long. If you don't need to extend the wire, then remove the wire nut and connect each wire of the sensor and wrap with electrical tape. You can extend the length of the wires using cat5 ethernet cable. Inserting one end into either the blue or orange side of the lever wire nut.

Step 2: You only need to open the end for sensor wires.





Insert ethernet wire to extend wire length and wrap with electrical tape.



Insert sensor probe into tank thermowell

