Vatreni Token Build Guide

Introduction

The beginning

Welcome to CircuitMess Vatreni Token build guide!

By following this build guide, you'll learn how to assemble your DIY Vatreni Token.

Age group

Vatreni Token is designed for anyone who's at least **9 years old**.

You should approach some of the assembly steps carefully, so make sure to have an adult jump in if you need some help with tightening the bolts later in the process. It's okay to ask for help.

Don't worry, though! We'll go through the assembly step by step and provide some useful tips along the way. We'll give you a heads-up if there's something important to keep in mind while assembling.

Assembly time

It should take you approximately **20 minutes** to fully assemble your **Vatreni Token**.

Of course, the assembly time depends on your previous knowledge and experience. If you don't have any experience yet, don't worry! It just might take you a little longer to get into the groove and overcome the challenges in the beginning.

Skills

You don't need to have any specific skills before getting your hands dirty with this DIY project.

The main objective here is to have fun and learn something new.

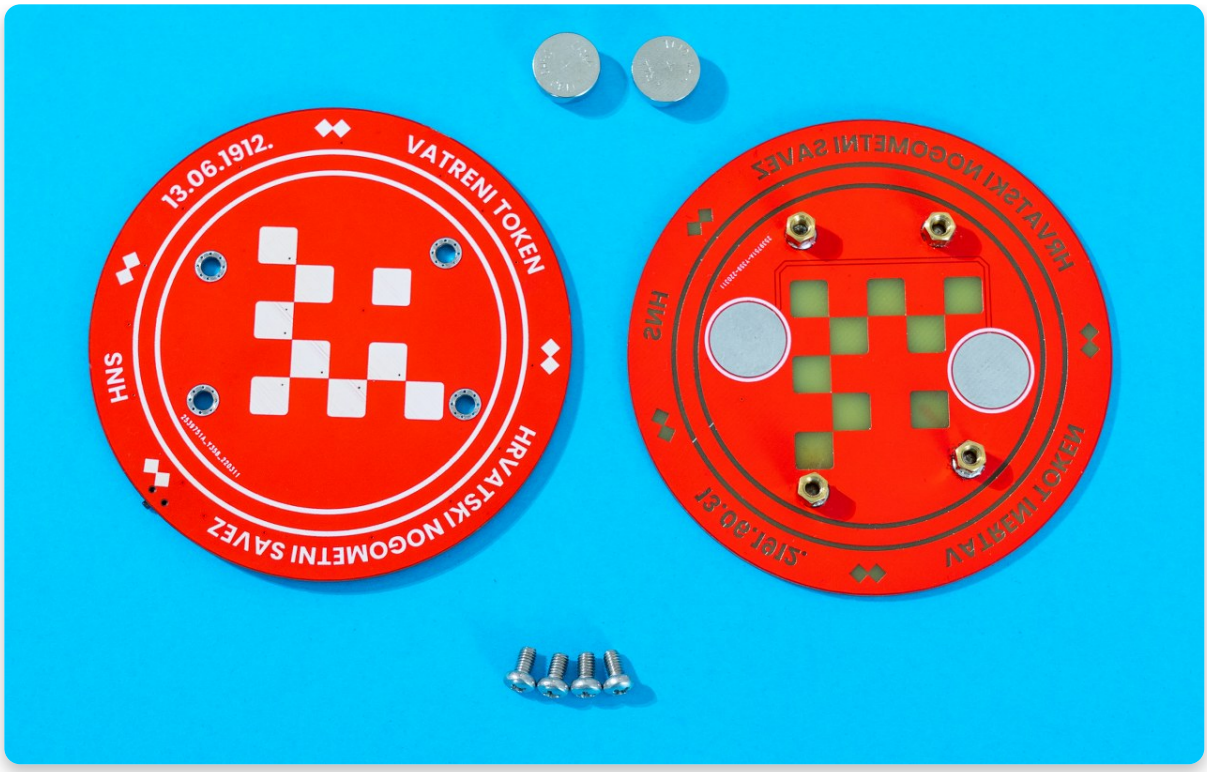
So hold on tight, read all the instructions, and get ready to have fun! This is a great opportunity and your first step in your big engineering career.

What's in the box?

Let's meet all the components that arrived in the box!

Open your Vatreni Token box and **check if you have all the components**. Make sure to lay it all on a clean surface where you'll inspect if everything is there according to the photo and the list below.

In case something is missing, please contact us at **contact@circuitmess.com**. Send us a photo of everything that came in the box, and we'll get back to you as soon as possible to resolve the issue.



Here's the list of components:

1. **PCB**

2. **Battery board**

3. **Silver bolts x4**

4. **Battery x2**

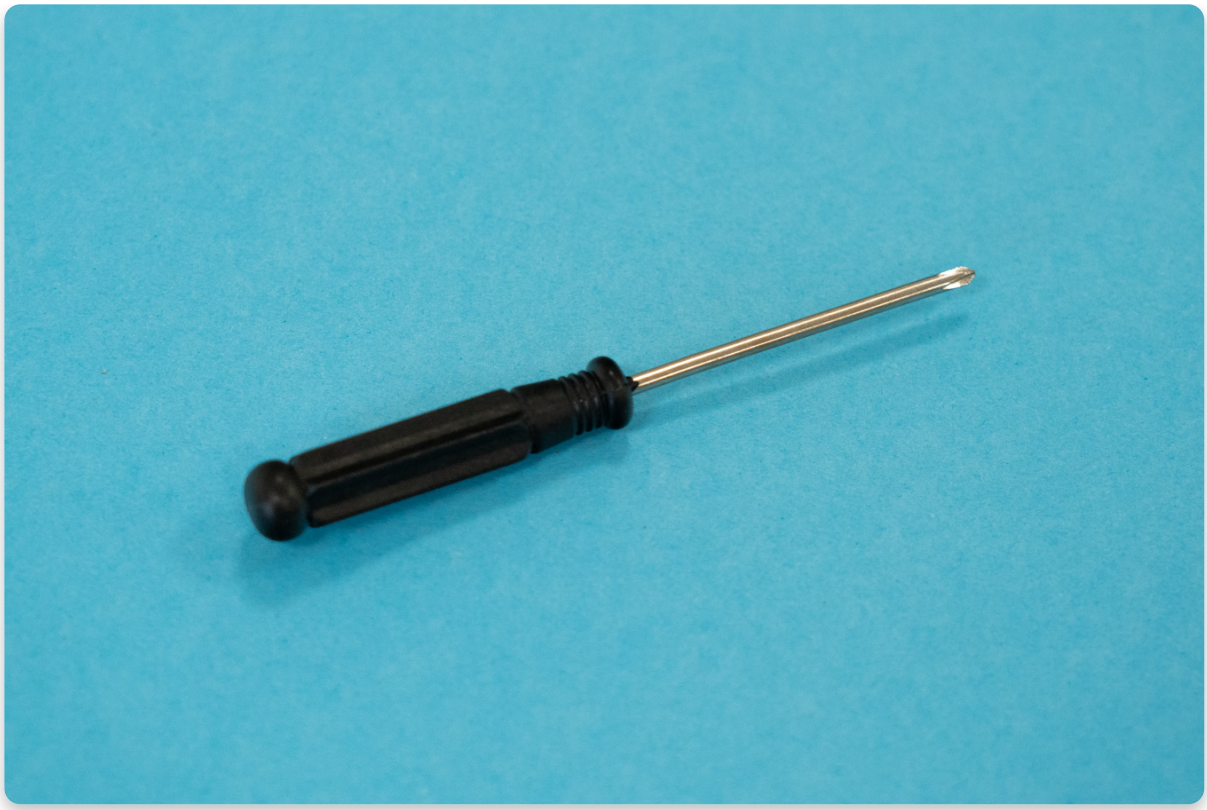
Meet the tools!

Mandatory tools

You won't need many tools to assemble your DIY token.

The only tool you'll need is this **cross (Phillips) screwdriver** to assemble the casing.

A standard **2.0mm** cross screwdriver should do the trick.



Assembly

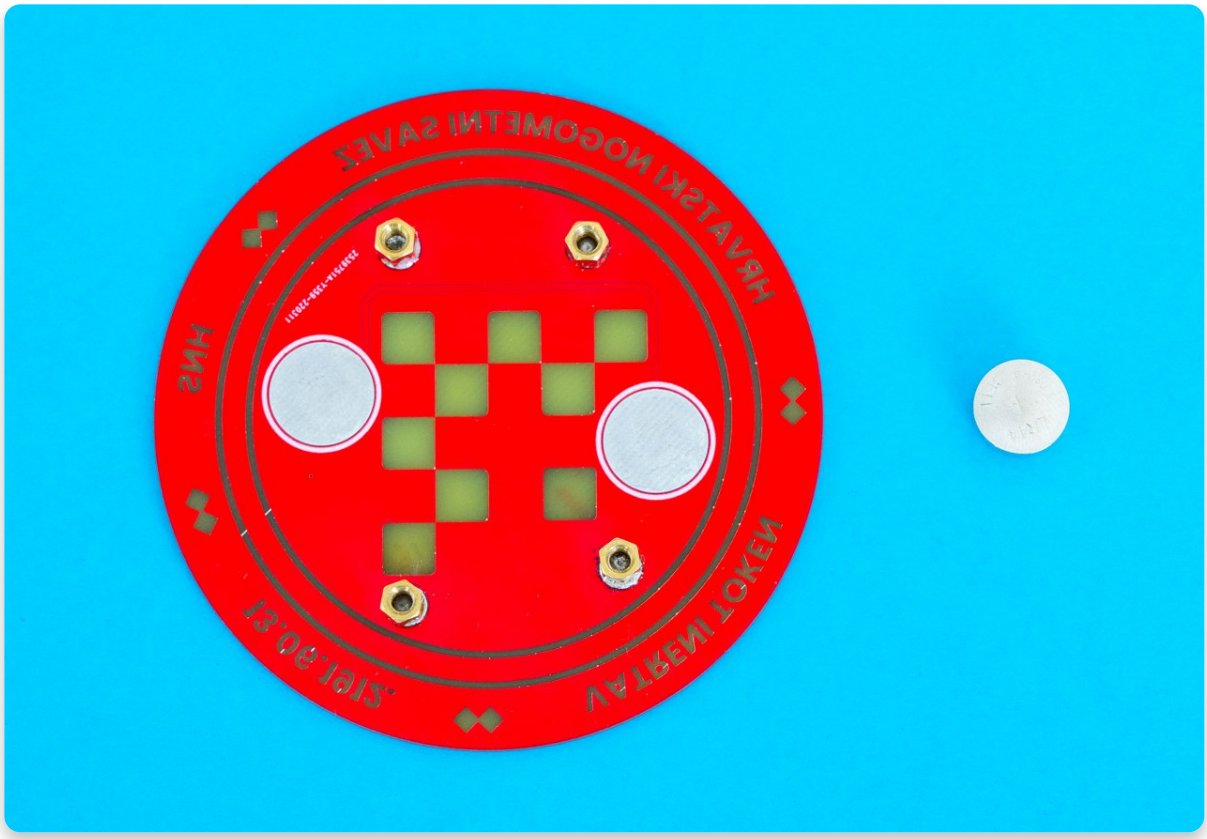
Casing up your Vatreni Token

It's time to assemble your Vatreni Token!

Don't worry, this is a very simple procedure.

The first thing you'll have to do is put **batteries** in their place.

This part will require the following components:

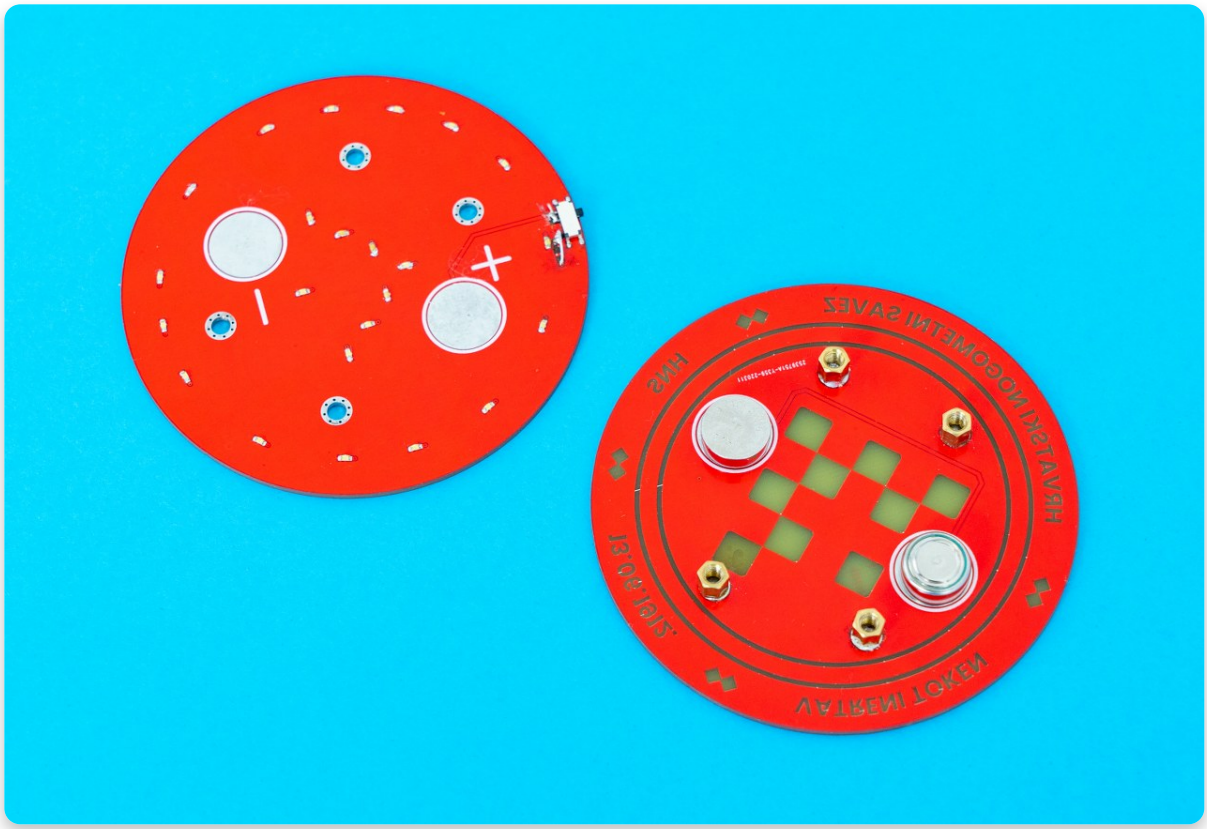


It is easiest to **place the battery board on a flat surface** and then place the batteries on the **board's silver circles**.

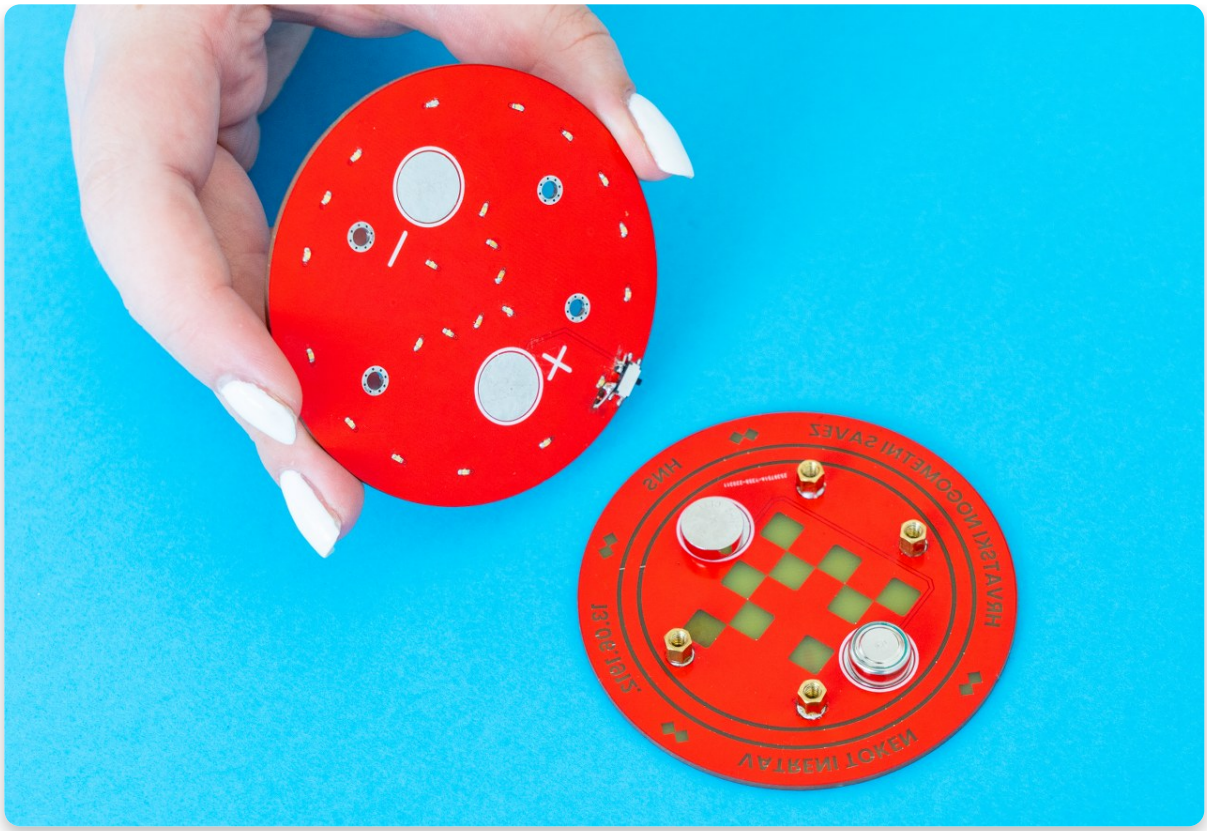
If you look closely at your batteries, you'll notice **+ and - signs** on them. These signs mark **polarity**, and it's very important for them to be placed correctly on the board; otherwise, your device won't work.

This is where you'll put the battery, with the + sign facing up.

You can also take the other board from the kit (the one with + and - signs on it) and put it on top of the first board.This will give you an idea of how to properly place the batteries.

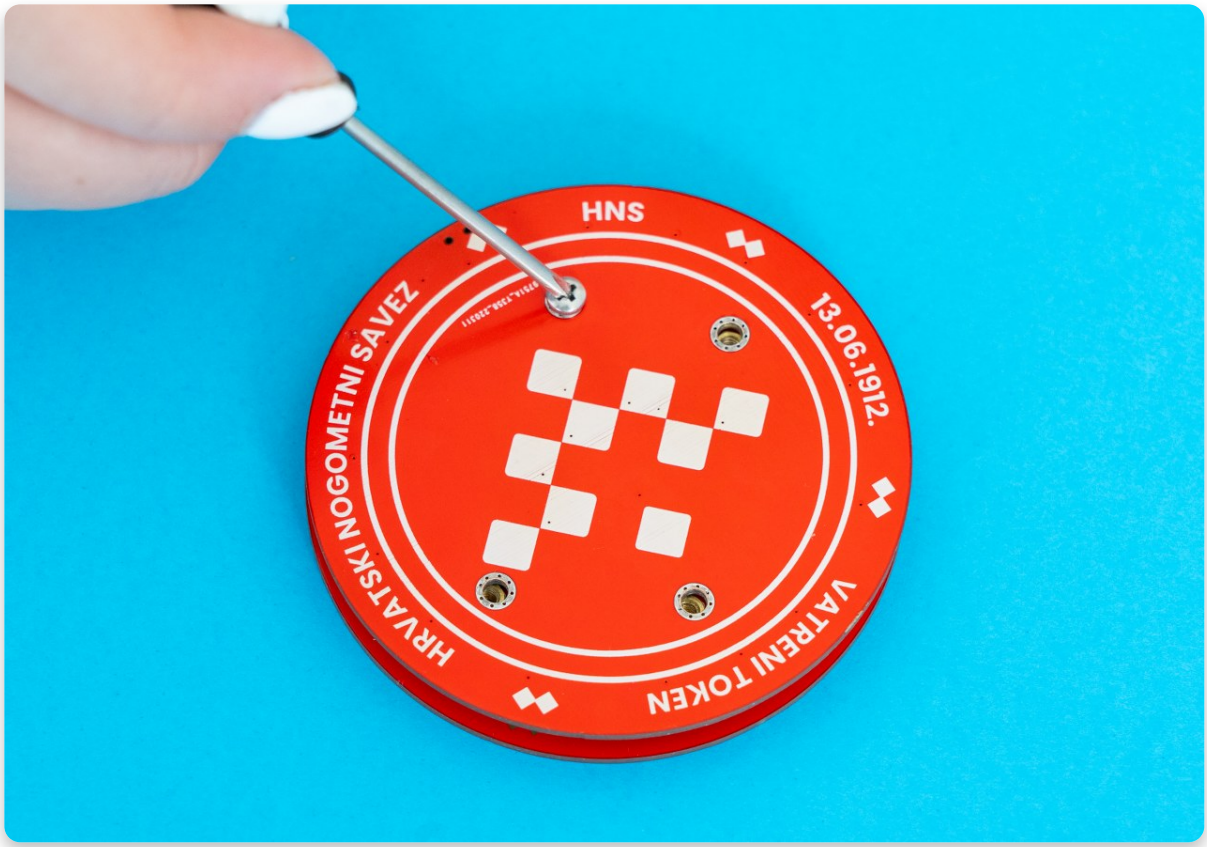


Place the boards one on top of the other just like this:



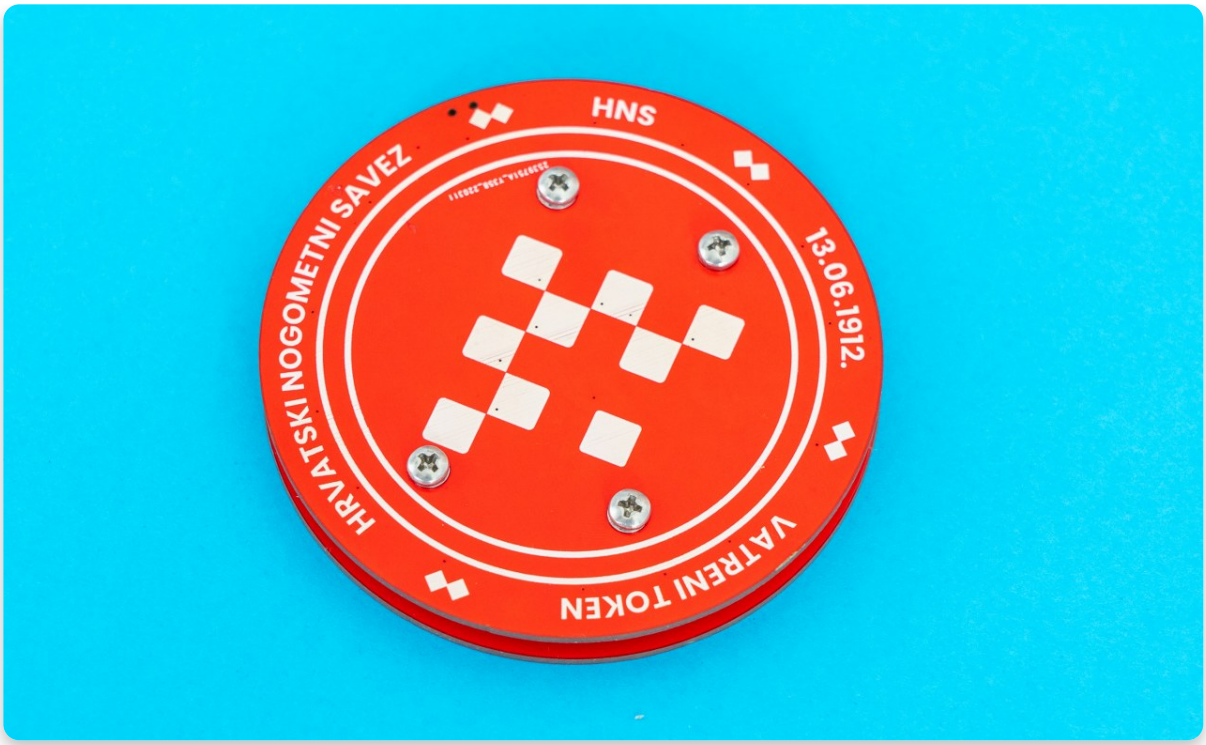
Take the screwdriver and four silver bolts now.

Tighten the bolt in one of the four holes.



Repeat this step for the remaining three bolts.

Your Vatreni Token should look like this by now:



Congrats!

You successfully assembled your Vatreni Token!

In the following chapter, we will show you how to turn it on, and double-check that you did everything correctly.

Turn it on!

Turn it on!

If everything seems tight and in its place, it is time to **turn** your Vatreni Token **on**.

You can see the **on/off switch** here:

When you flip the switch, the token should light up and look something like this:

If your token isn't working, **make sure you put the batteries in correctly** and that they haven't moved.

If everything seems to be in order, but your token is not working, please contact us at **contact@circuitmess.com**, and we will be happy to help!

Also, we invite you to join our **Discord channel** and **Facebook group** where you'll be able to share ideas, photos, and feedback with fellow makers and get exclusive news from CircuitMess.