

Flegtones solder kit by Digital Maker CIC & Small Stories Digital Doric

Flegtones musical soldering kit by Digital Maker is designed as a fun introduction to soldering & electronics. With 50 solder points, you will build confidence & technique with this kit.

These instructions are a step by step guide on the order, orientation & placement of the component in the kit, if you have never soldered before, please visit the Kitronik youTube video: youtube.com/watch?v=ZHZ fgz0KTps "Fleg" is Doric (the dialect of the North East of Scotland) word for "Fright" - and has been illustrated by Gabrielle Reith AKA Small Stories, an artist living & working in Aberdeen. It's also a wee nod to Public Image Ltd.

Digital Maker will be working with Gabrielle on future kits celebrating Doric language & fun electronics.

Any Problems? Contact:

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Flegtones schematic



There are two sides to the Flegtone, we will be soldering components to both sides, so pay attention to which face you apply the steps to!

Step 1: The resistors are the first components we place them on the "circuit" side of the Flegtone board and solder on the "Fleg" side.

R1-R4 & R6 need the 1k Resistors.

R5 uses the 4K7 resistor.



Step 2: The orange capacitors come next, again on the "circuit" side of the Flegtone board.

C1 houses the 100nF capacitor

C3 houses the 10nF capacitor



Step 3: The Ne555 Timing Chip comes next, again on the "circuit" side of the Flegtone board. Note the orientation of the chip, make sure the semi circle dimple is at the correct side.

U1 houses the Ne555 Chip



Step 4: The 10uF Capacitor is next the "circuit" side of the Flegtone board. This has a "long leg" (+ (round hole)) and "short leg" (- (square hole)) so pay attention to the orientation!

C2 houses the 10uF Capacitor



Step 5: The 9v power Battery Snap Connector also connects to the "Circuit Side" The Red wire is "+" and black is "-", so pay attention to the orientation again!



Step 6: The Speaker legs connect to the "Circuit Side" The long pin is "+" & the short pin is "-", so pay attention to the orientation again!

There are two areas you can connect speakers to, depending on the size you have.



Step 7: The five Press Buttons are attached next, we insert them on the "Fleg" side & solder them from the "Circuit" side.



Step 8: Attach the 9V battery to the Connector & play music with the buttons!

If it doesn't work, check all your solder points to see if they are complete, if they are, make sure you have the polarities of the connections correct!





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Small Stories

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