

conduction sensors

- Bare conductive
- IPAC
- makey makey

Bare conductive

we have a separate page for that! <https://bookstack.hku.nl/books/bare-conductive>

download custom software: <https://www.ultimarc.com/download.html>

mapping:

INPUT	NORMAL CODES	CODES WITH SHIFT (hold 1 player start)
COIN 1	5	
COIN 2	6	
START 1	1	
START 2	2	ESC
1 RIGHT	R arrow	Tab
1 LEFT	L arrow	Enter
1 UP	U arrow	Key Below ESC (Volume, gamma, etc)
1 DOWN	D arrow	P (pause)
1 SW 1	L-ctrl	5 (Coin A)
1 SW 2	L-alt	
1 SW 3	space	
1 SW 4	L-shift	
1 SW 5	Z	
1 SW 6	X	
1 SW 7	C	
1 SW 8	V	
1 A	P	
1 B	ENTER	
START 1	1	
START 2	2	Esc
2 RIGHT	G	
2 LEFT	D	
2 UP	R	
2 DOWN	F	
2 SW 1	A	
2 SW 2	S	
2 SW 3	Q	

INPUT	NORMAL CODES	CODES WITH SHIFT (hold 1 player start)
2 SW 4	W	
2 SW 5	I	
2 SW 6	K	
2 SW 7	J	
2 SW 8	L	
2 A	TAB	
2 B	ESC	

makey makey

Design your own controller with everyday materials like foil, velostat, playdough, graphite pencils, water or any other conductive material. Lots of info and examples on their own site:

<https://makeymakey.com>

No need to install drivers , makey makey is plug and play.

Attach it through usb to your computer, close a circle of conduction bij connecting 'ground' and 'another trigger' & it shows up to be an external keyboard. Read the signal in an app like wordpad/texteditor to make sure you have the right connection.

In data flow software (like Isadora & touchdesigner) the makey is read through nodes like a 'keyboard In watcher' or 'KeyBoardIn'

Remember to always playtest your setup, as using a keyboard as input may also lead to unexpected/unwished results (like you interface being all over the place :)

Also see this page: [aan-de-slag-met-makey-makey](#)

[Makeys are remapabble](#) :

Borrow Makey from the uitleen at IBB of PASTOE

or the [Blackbox @ JK](#)

Or in a [tech case!](#)

see [ipac](#) for a makey on steroids