

# BeatBalls



*(wo)man makes  
juggling*

*juggling makes  
sound*

*sound makes  
music*

*try it !*

## A) what you need

# BeatBalls



- plastic gloves
- wires connectors (8 m)
- 7 alligator clips
- 4 thimbles
- iron wire
- 4 small elastic binders
- sticky tape
- leather belt
- juggling balls
- makeymakey board
- usb wire
- soldering iron + tin

- a laptop
- a Hi-fi connector on the computer to get a louder sound
- a juggler

## B) installation

# BeatBalls

- the leather belt



- the balls

put iron wire around it

you can also use any kind of conductive balls





- the gloves



for one glove : 2 wires (2 meter) connect with one thimble on one side  
(with the alligator clip)  
and on the other side with a alligator clip or a pin strip  
header

Attach using stickers to avoid movement of wires

- a laptop with the beatballs application :

<https://github.com/simplifyPool/BeatBalls>

## C) what you can try

# BeatBalls

First, try to play a regular pattern with one ball, after add 1 or 2 balls and change the beatballs mode touching the belt (try it in a music band).

There is a notation for juggling with number called 'siteswap' try to juggle the chosen siteswap pattern in order to check out the sound result

With 2 installations and 2 players or more. Then after listening your colleague try to play the same rhythm as him.

More difficult, try to do the same rhythm whitout seeing him

Change the sound of the beatballs application to invent your own combination

see an example on : <https://vimeo.com/69337873>