

MESH

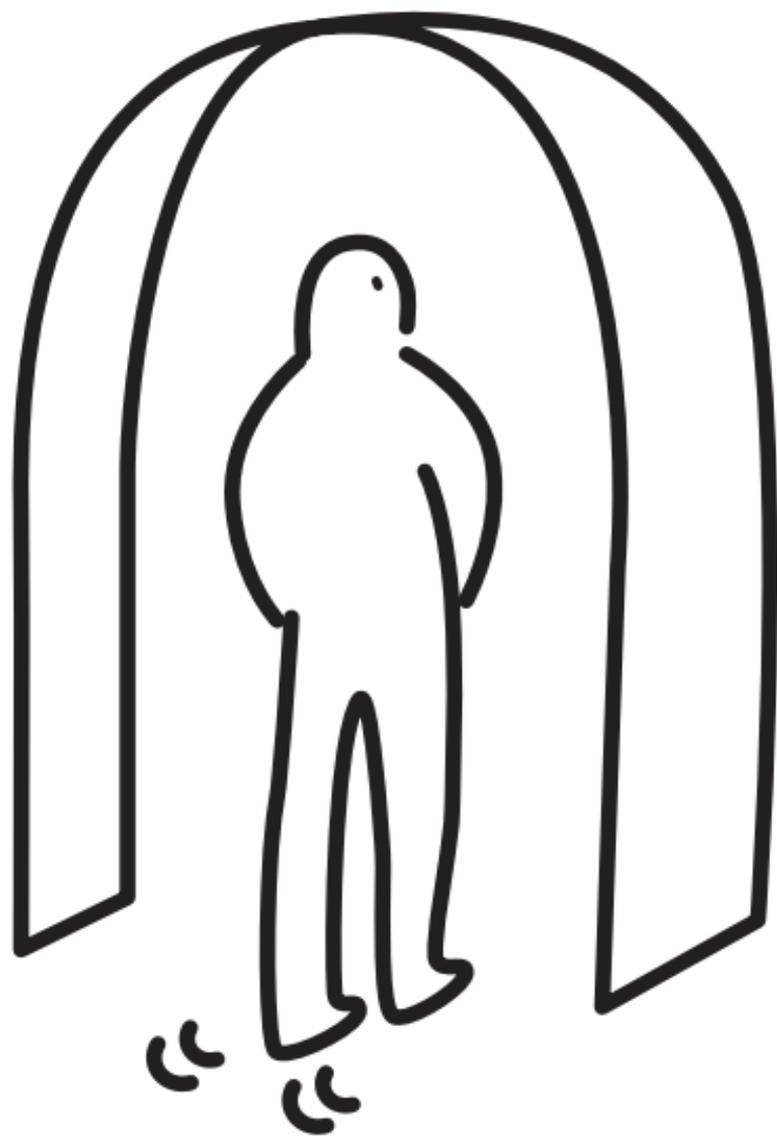
Design Pattern Cards

v1.0.0 CC BY-NC-SA 4.0 : IAMAS, MESH project

This is a set of cards to use in the scenes that develop ideas by multiplying problems you found or what you want to make and what you can do with MESH.

On the surface of each card what you can do with MESH is explained and on the back you can see how it is realized.

By arranging multiple cards like Input → Output, Input → Processing → Output, you can organize it even if it looks complicated at first glance. If you come up with usages or implementation methods that are not found on standard cards, please fill out blank cards and share them.



If someone passes

Motion
Detected

Waiting Time (sec) 3

Motion

Help Delete

< Detected >

Waiting Time (sec)

3

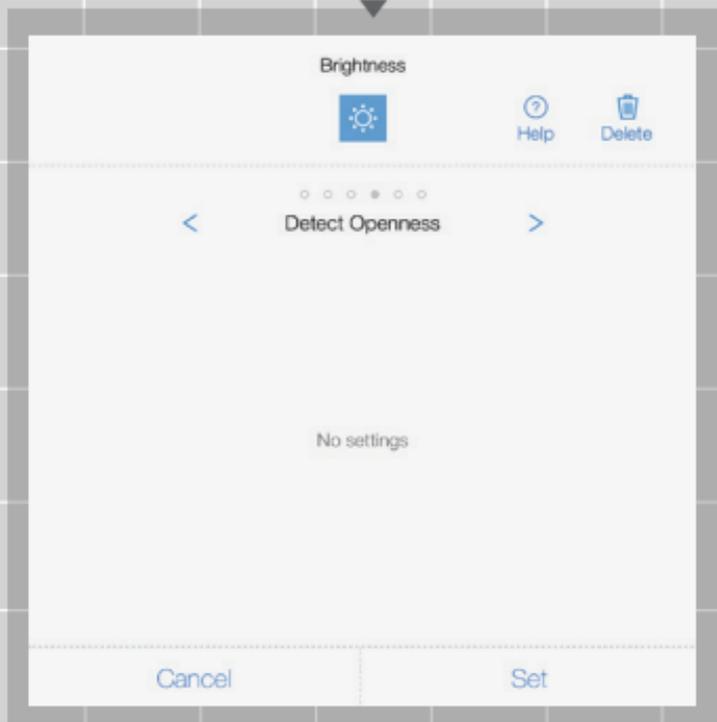
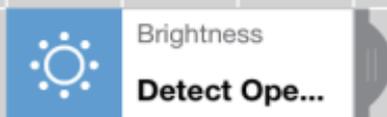
0.5  60

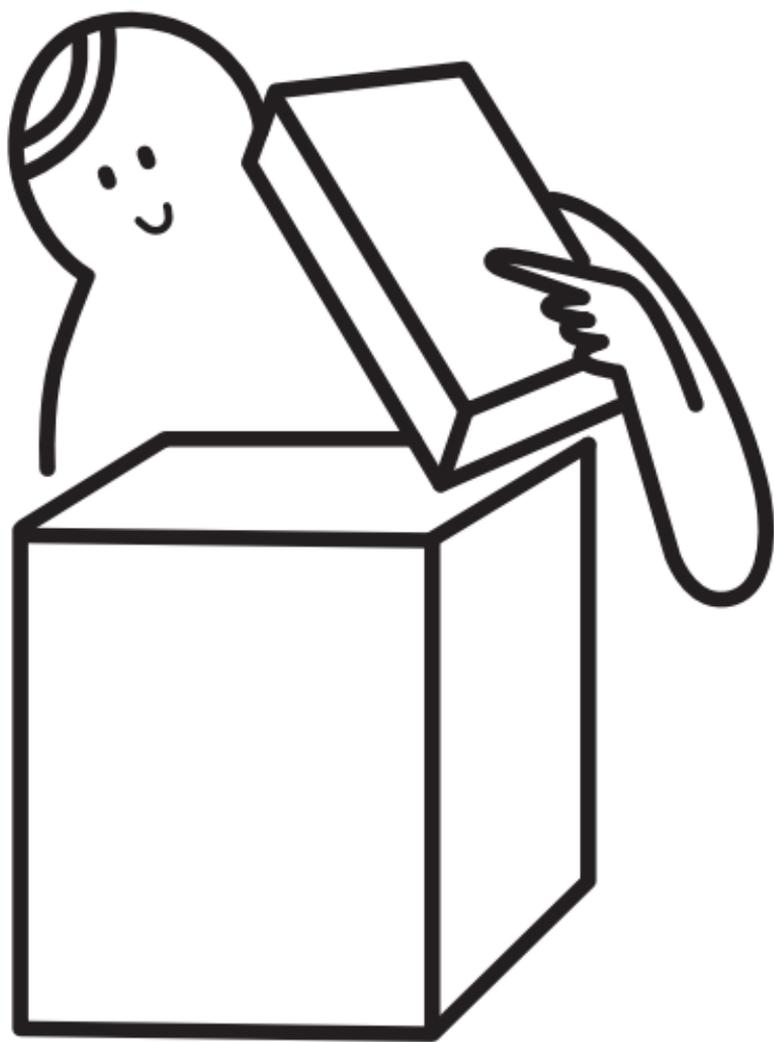
Show settings on the canvas

Cancel Set



If an object is removed





If a box is opened

Brightness

Brightness ...

Brightness **3-10**

Brightness

  Help  Delete

◀ Brightness Change ▶

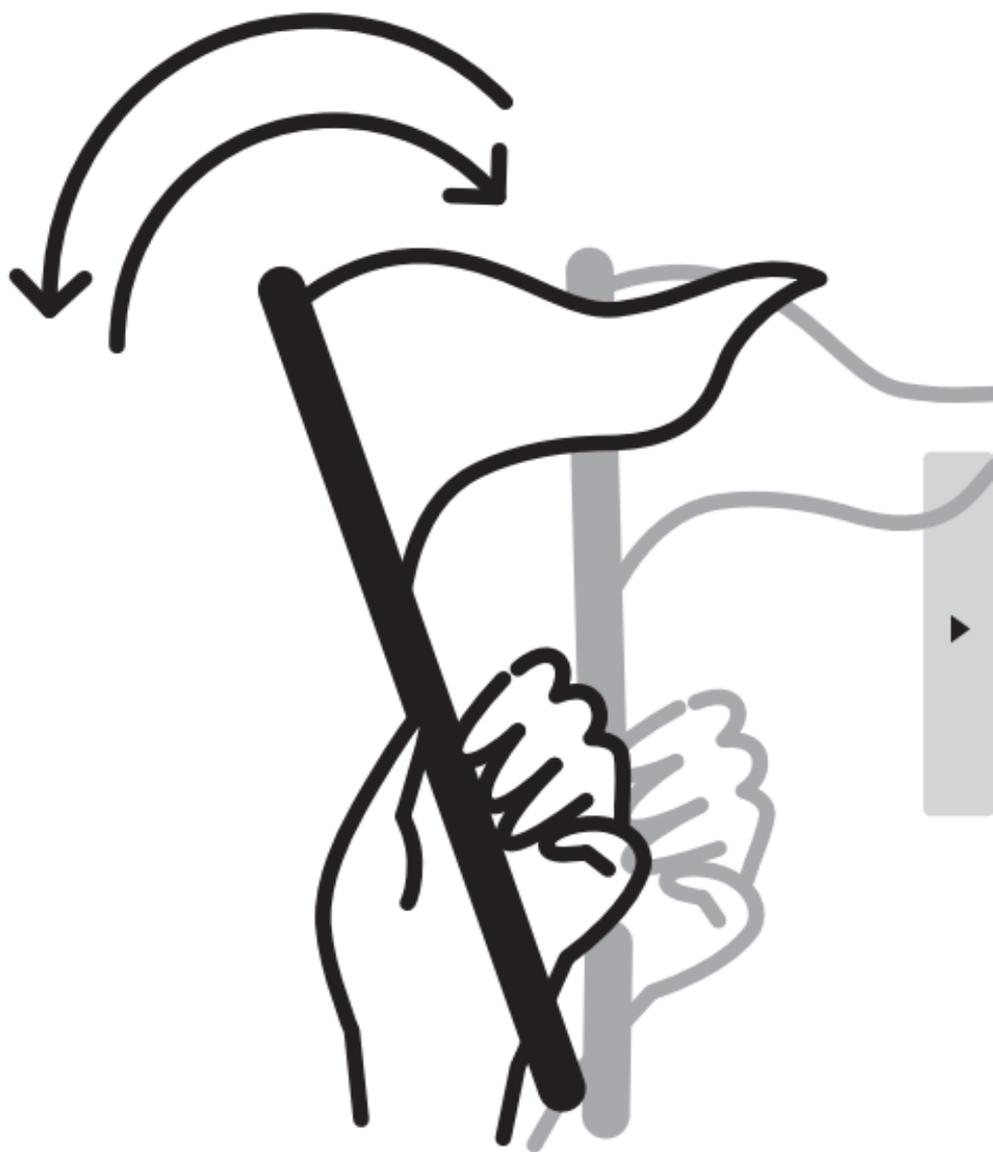
Brightness

3 - 10

1 6 10

Show settings on the canvas

Cancel Set



If an object is shaken

 Move
Shake

Sensitivity 20-100

Interval (sec) 0.1

Move

  Help  Delete

< Shake >

Sensitivity

20 - 100

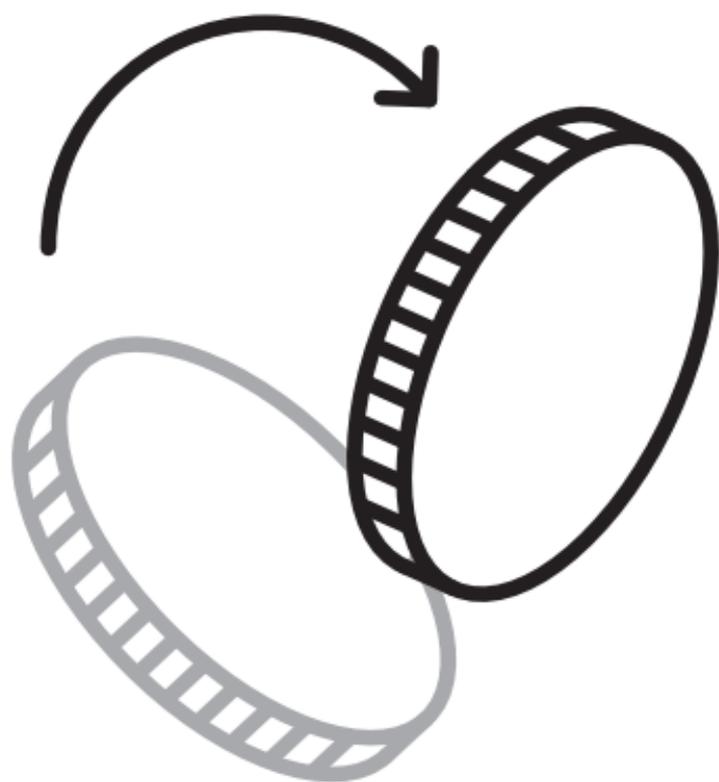
1 1 100

Interval (sec)

0.1

0 10

Cancel Set



If an object is flipped over



Move

Flip



Move



Help



Delete



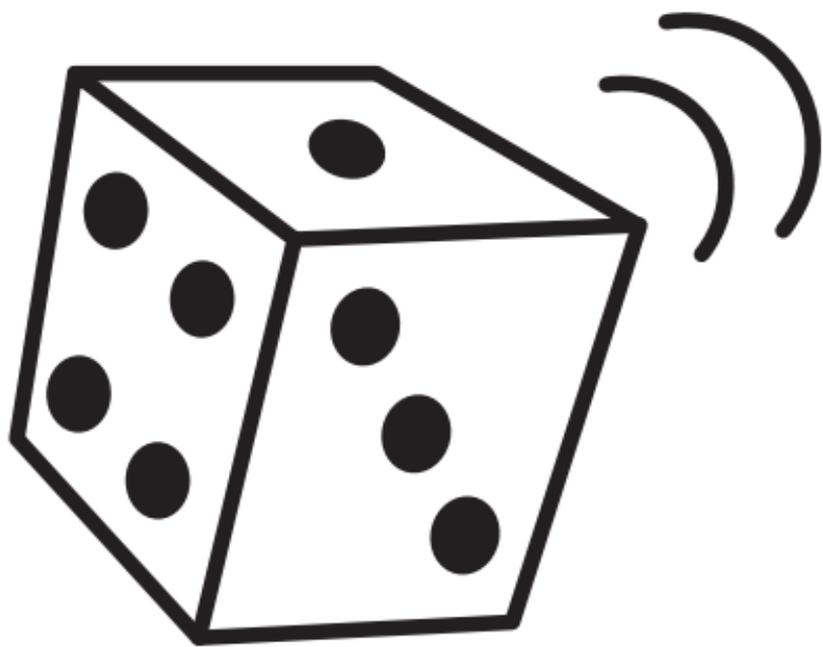
Flip



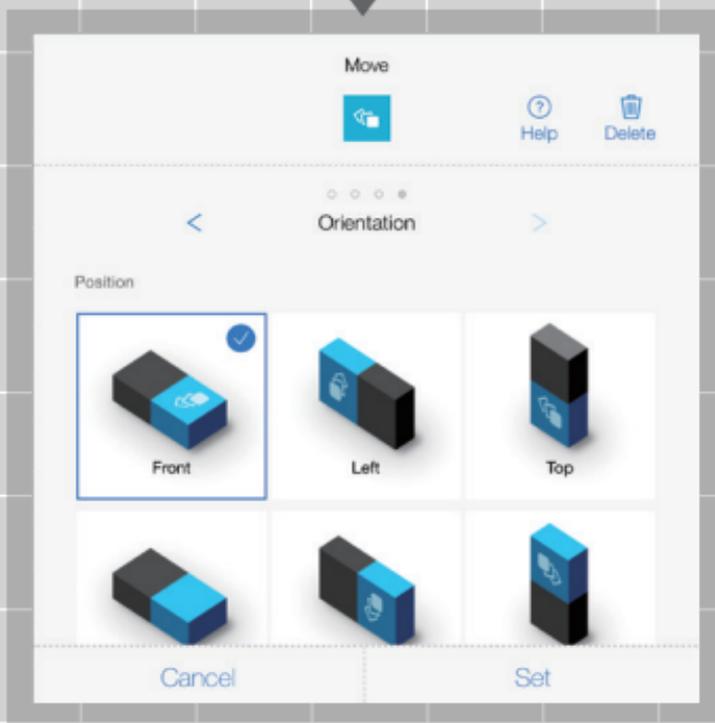
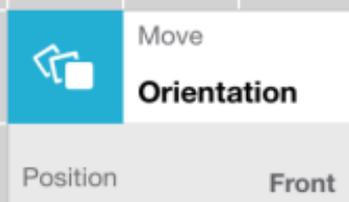
No settings

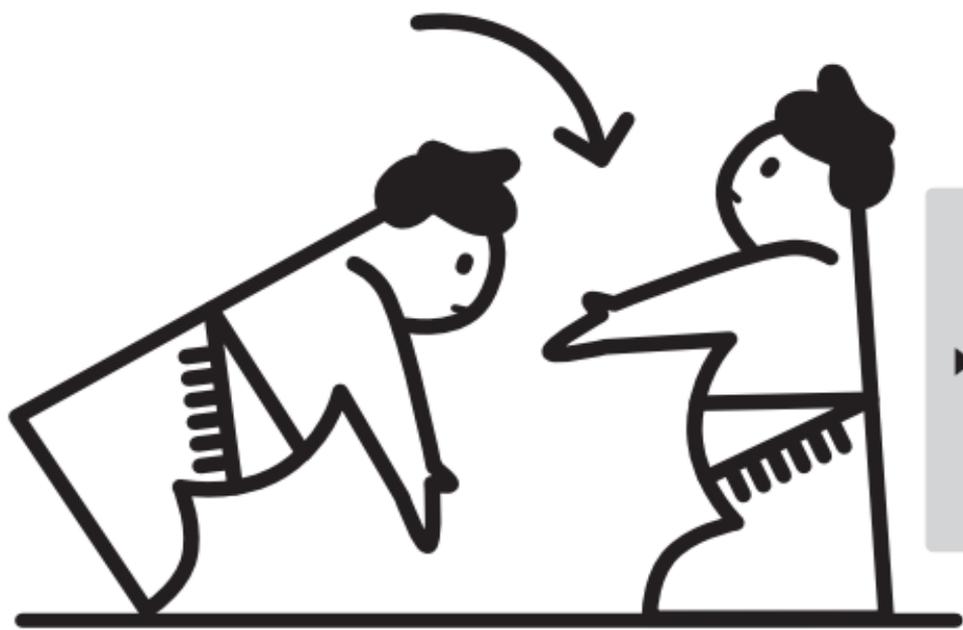
Cancel

Set

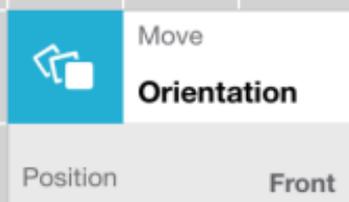


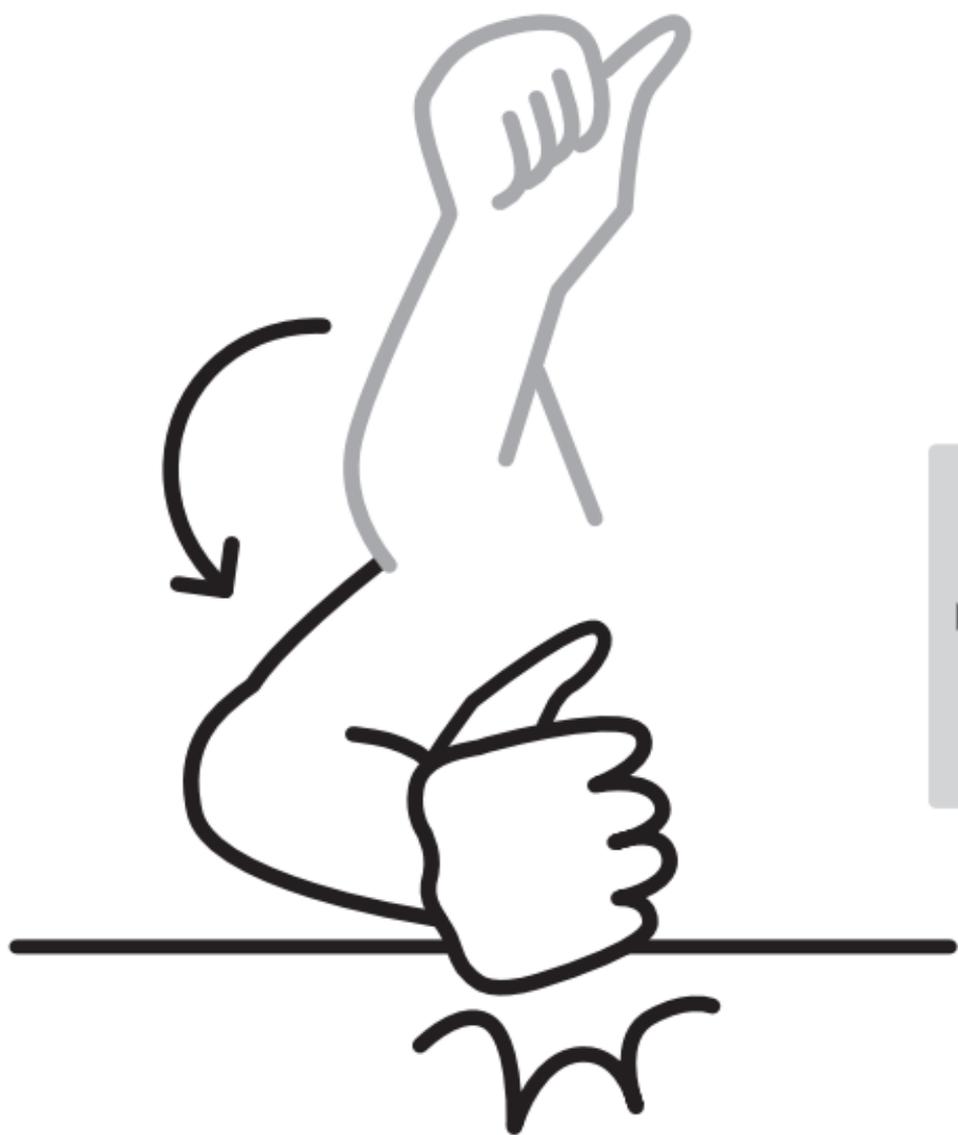
If the orientation of an object is changed





If an object is dropped





If the surface where an object is placed is tapped

 Move
Tap

Sensitivity **50-100**

Interval (sec) **0.1**

Move

  Help  Delete

< Tap >

Sensitivity

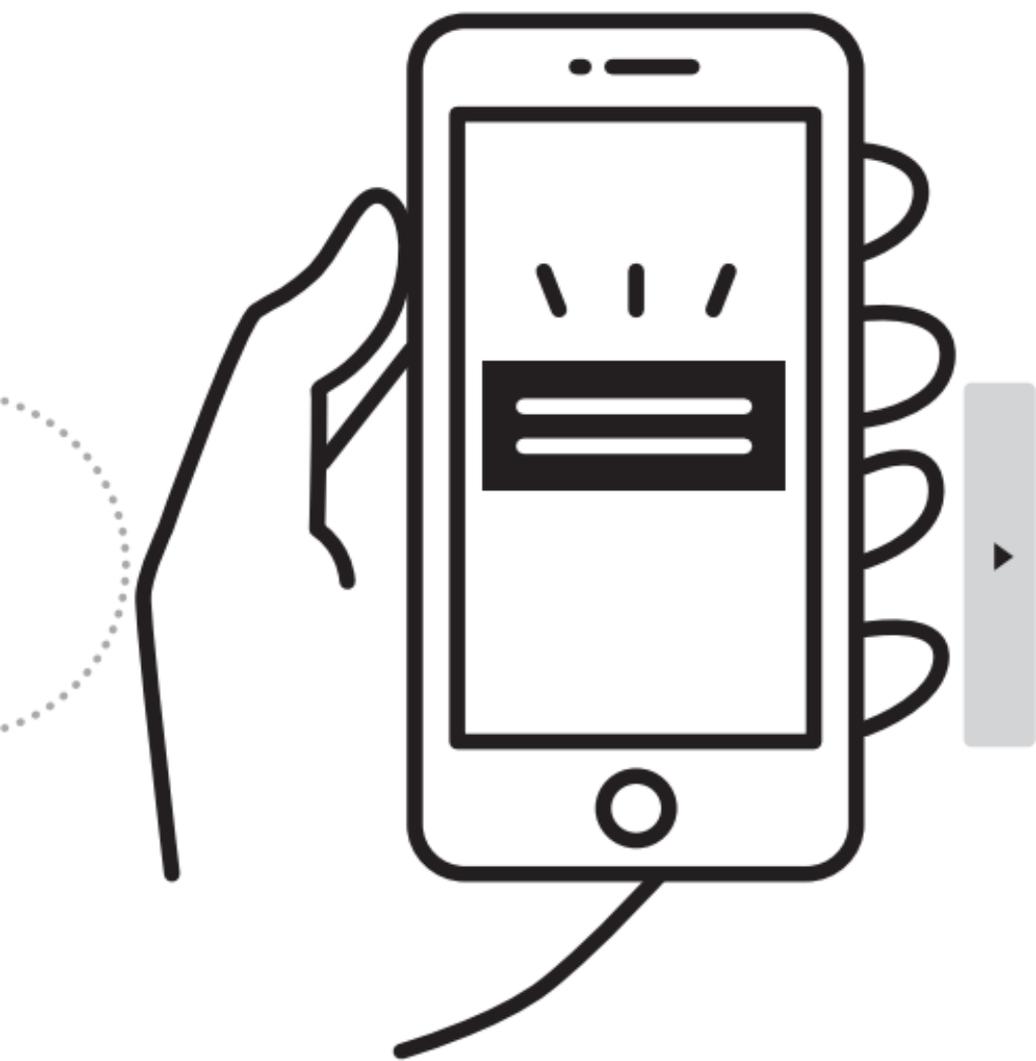
50 - 100

1 1 100

Interval (sec)

0.1 0 10

Cancel Set



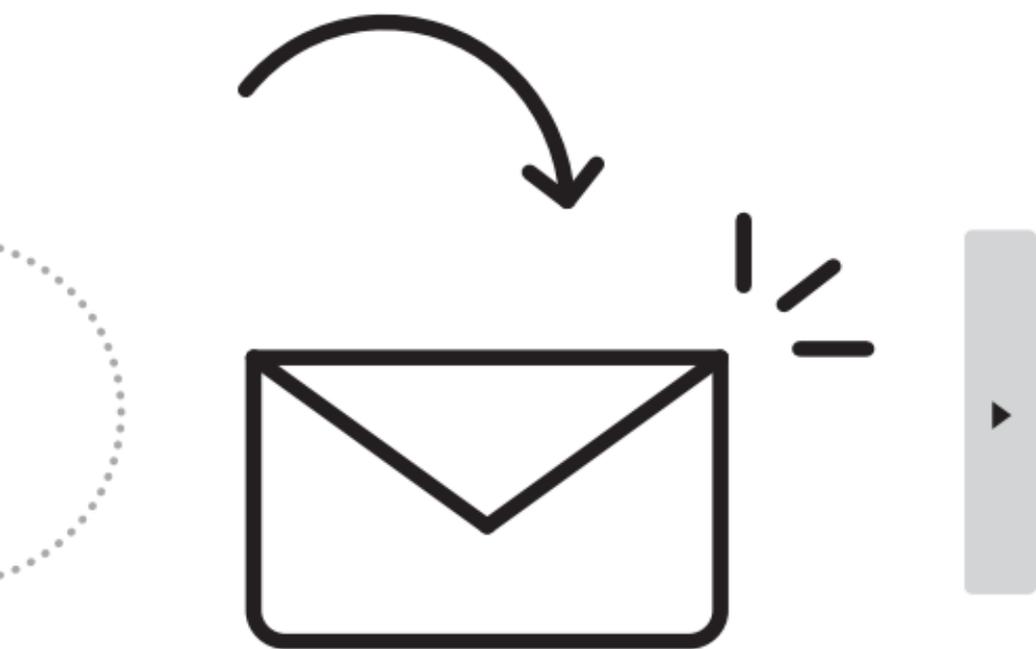
Send a notification



Notification

Send Notific...

Message **Notification fr...**



Send an email



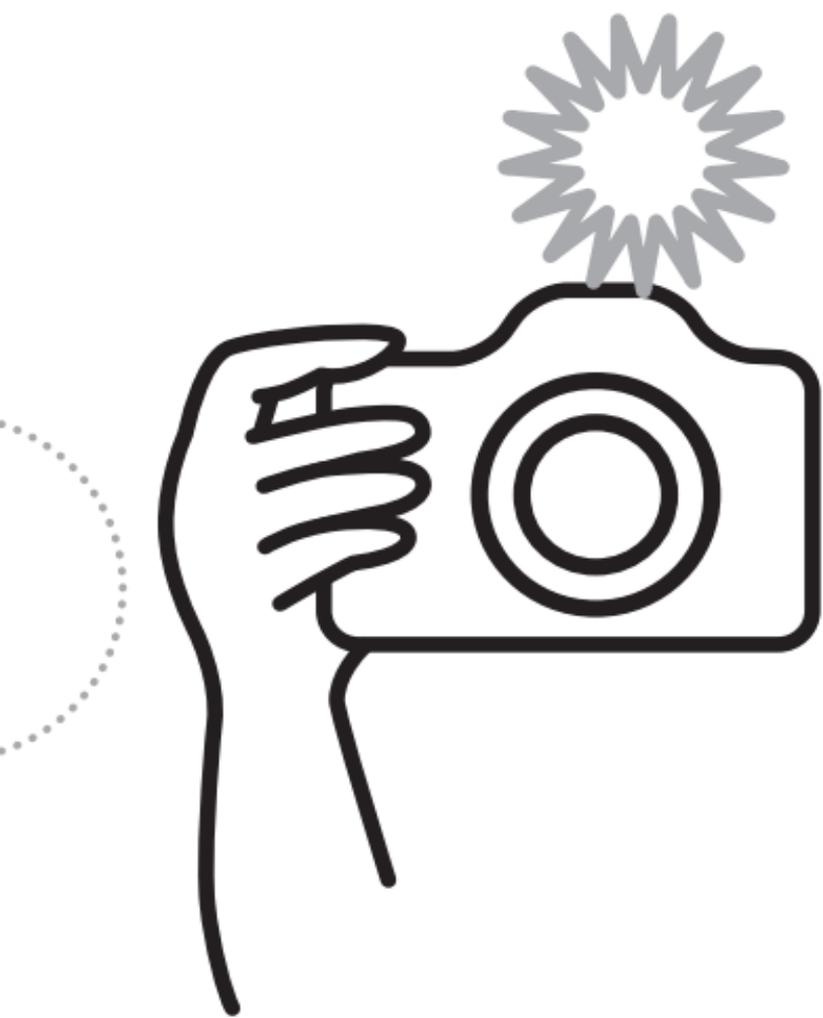
Gmail

Send

To

Subject

Body



Take a picture

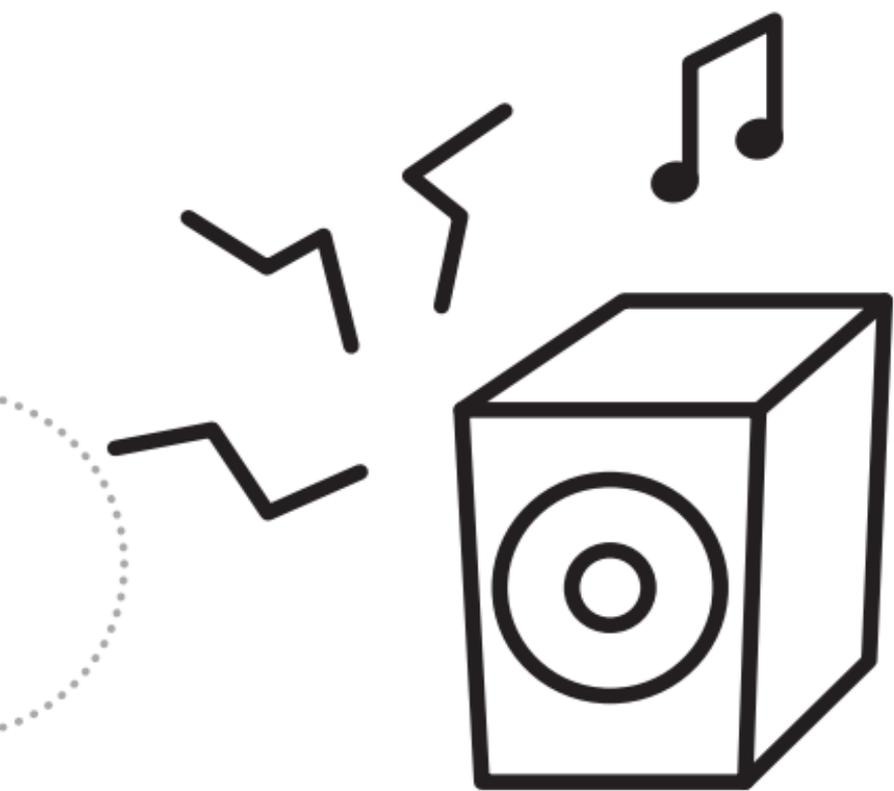


Camera

Take Picture

Position

Front



Play a sound



Speaker

Play

Sound

Bell



If sound is detected



Mic

Sound Trigger

Sensitivity

50-100

1	10:00	- - - - -
2	12:00	- - - - -
3	13:50	- - - - -



IFTTT



Log to Google Spreadsheet



Google Drive

Add row to ...

Send text `{{Timestamp}}`

Google Drive



Help

Delete

< **Add row to spreadsheet** >

Description

This Action will add a single row to the bottom of the first worksheet of the spreadsheet you specify. NOTE: A new spreadsheet is created after 2000 rows.

Send text

[Add Data to Share](#)

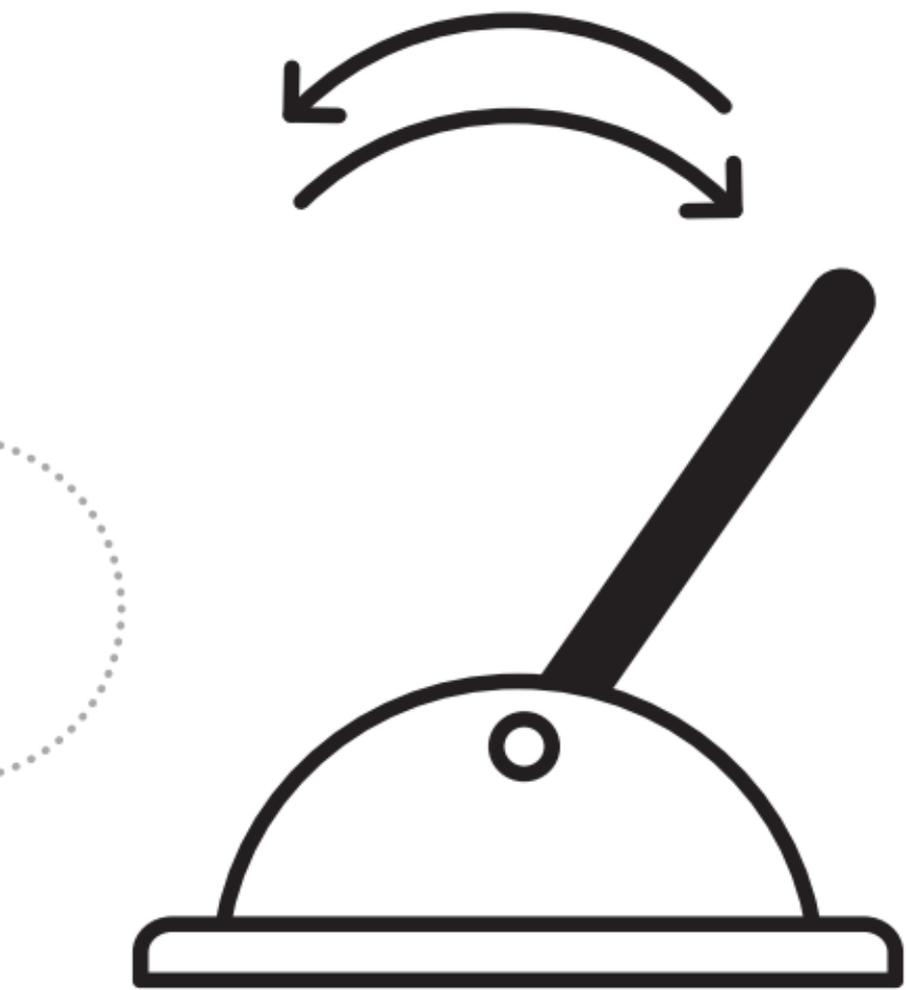
Timestamp

This function needs to be connected with IFTTT Applets. Turn on IFTTT Applet before starting to use.

Turn on IFTTT Applet

Cancel

Set



Toggle between two inputs



Switch

In Order

In



Out1

Reset

Out2

Number of Output

2



Press a button



Button

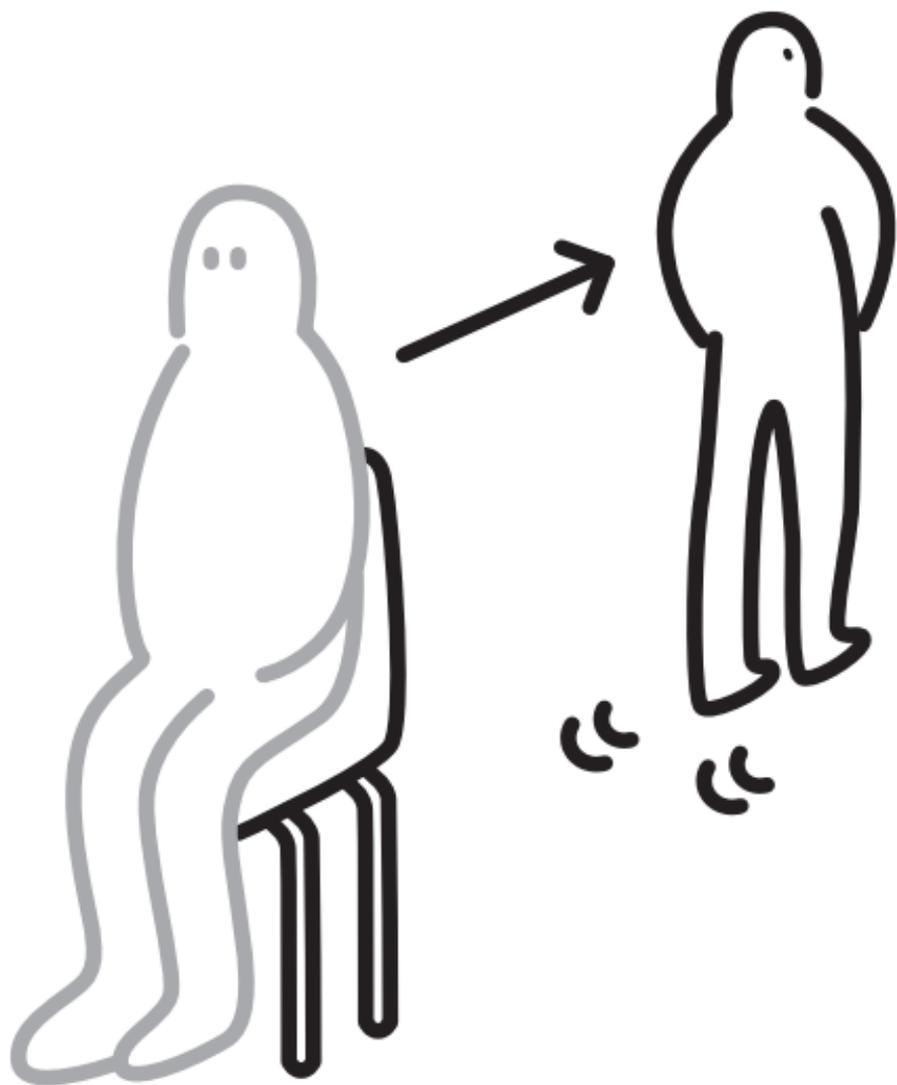
  

Help Delete

< Press >

No settings

Cancel Set



If someone leaves from
their original spot

Motion
Undetected

Waiting Time (sec) 10

Motion

 [Help](#) [Delete](#)

< Undetected >

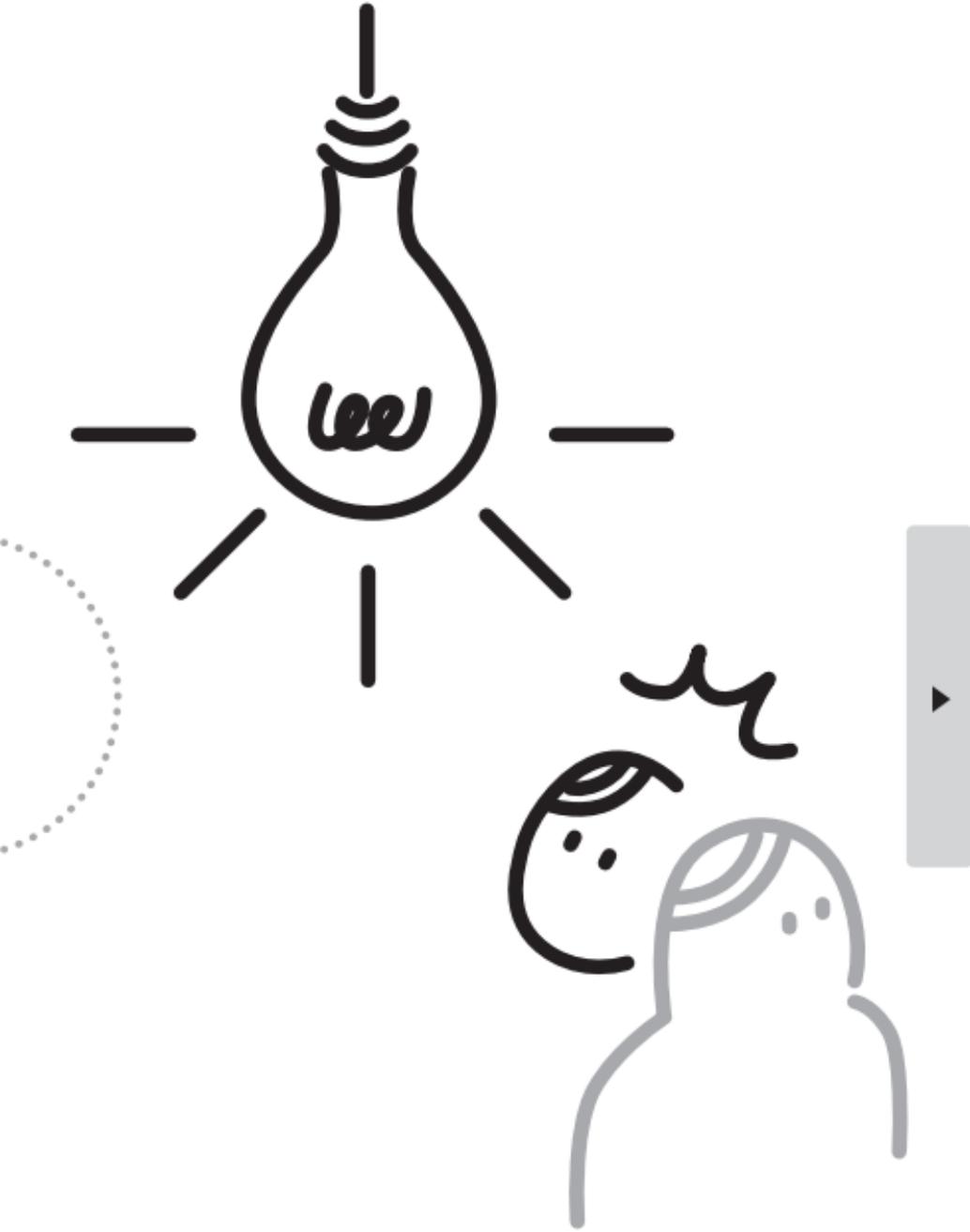
Waiting Time (sec)

10

10 3600

Show settings on the canvas

Cancel Set



Turn on Philips Hue light



Philips hue

Light Up

Light **Select all**

Color 

Brightness **5**

Philips hue



Light Up

Light

Select all

Color

Warm White

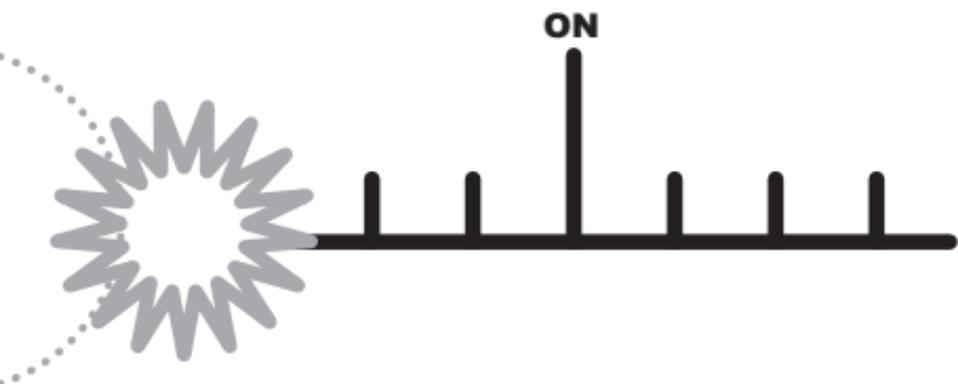


Brightness

5

Cancel

Set



Trigger a random output



Switch

Random

Out1

Out2

Out3

Number of Output

3



+



If two inputs happen simultaneously



And

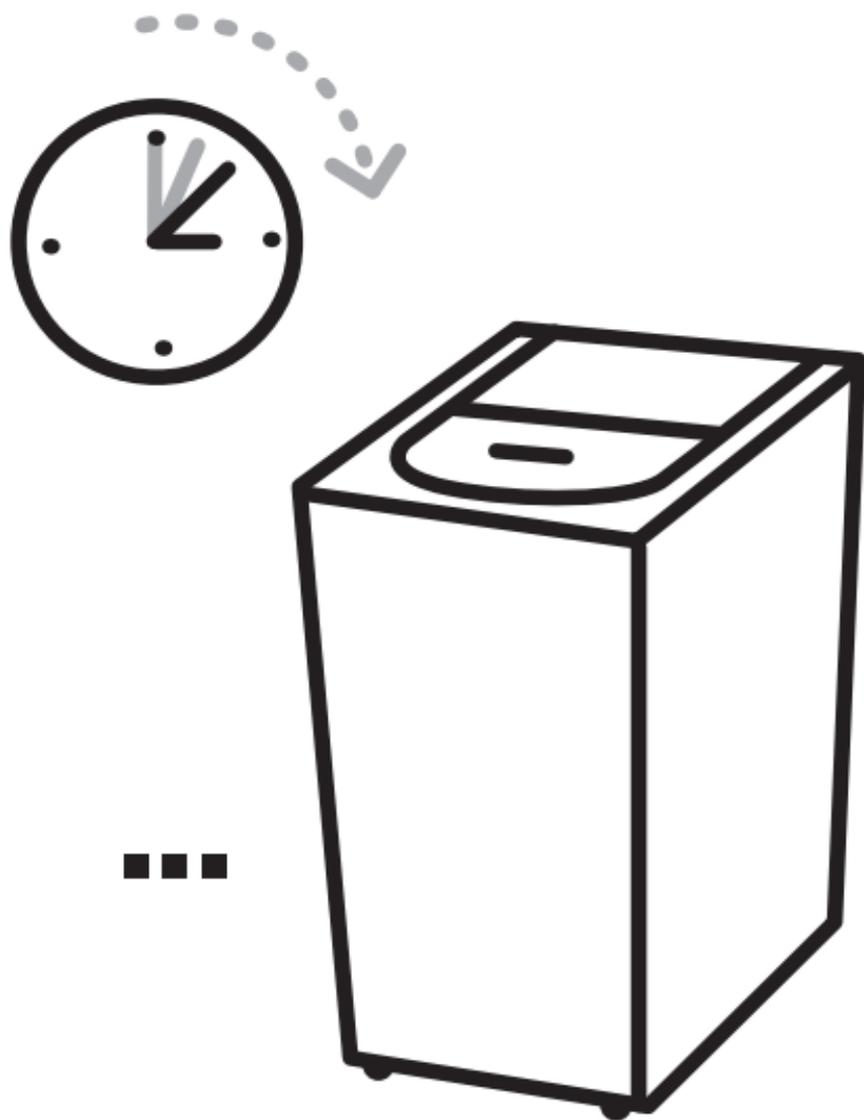
Simultaneous

In1

In2

Window (sec)

1



If there is no activity detected
for a while



Timer

Interval

On

Off

On/Off

On

Interval (min:sec)

0:30



Move

Tap

Sensitivity

20-100

Interval (sec)

0.1

0 1 2
3

Counter

Count Up

Up

Reset

Count

0 / 10



