

Tech Primitives

June 2019

Key Types

Button	Feedback; voting; control of other devices
Dial	Getting input on experience; control
RFID/NFC	Tracking users, tools, activity
Camera	Capture Photo, Timelapse, GIF, Video
Audio Recording/Control	Digitizing conversations, voice controls
Printer	Providing tangible feedback; critique
Screen/Display/Projector	Displaying relevant content; feeds, progress, etc.

Our goal

Button
Dial
RFID/NFC
Camera
Audio Recording/Control
Printer
Screen/Display/Projector

+

.xyx
context sensing

Where am I in the space?
What just happened?
Who is nearby?
How is the device oriented?

+

quickly adaptable, programable features

You get to decide how it behaves at Startable
You get to make it work for the culture and practices found here

These devices have a tonne of possibilities. We over design the tool so it can do a lot

camera.xyz

Programmable camera that can be easily mounted on a table top or overhead. Offers several modes of capture incl. timelapse, video recording, etc. Creates a feed of past capture that can be easily transferred to your phone, online services or more.

Features:

light ring for professional capture

pixel display to show mode

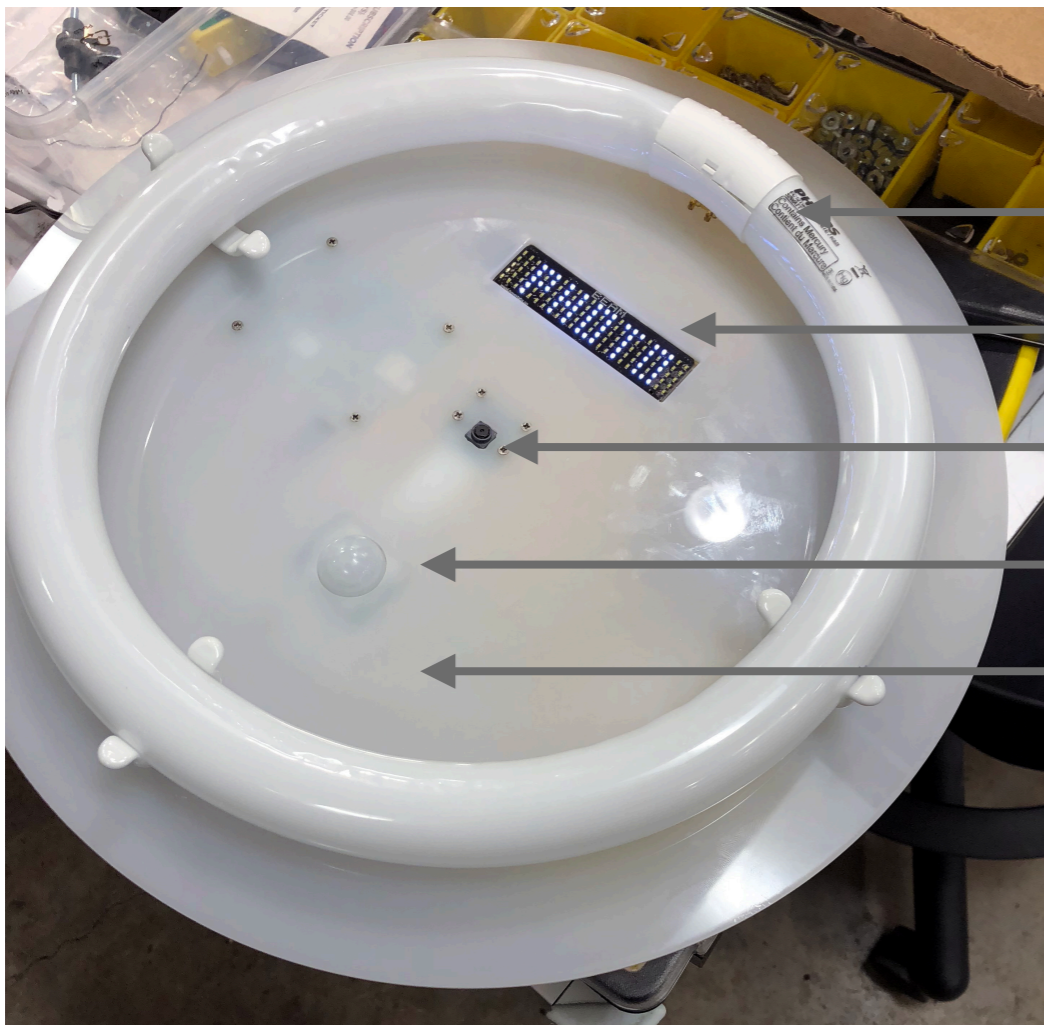
8 megapixel camera

pir sensor

orientation + positioning sensor

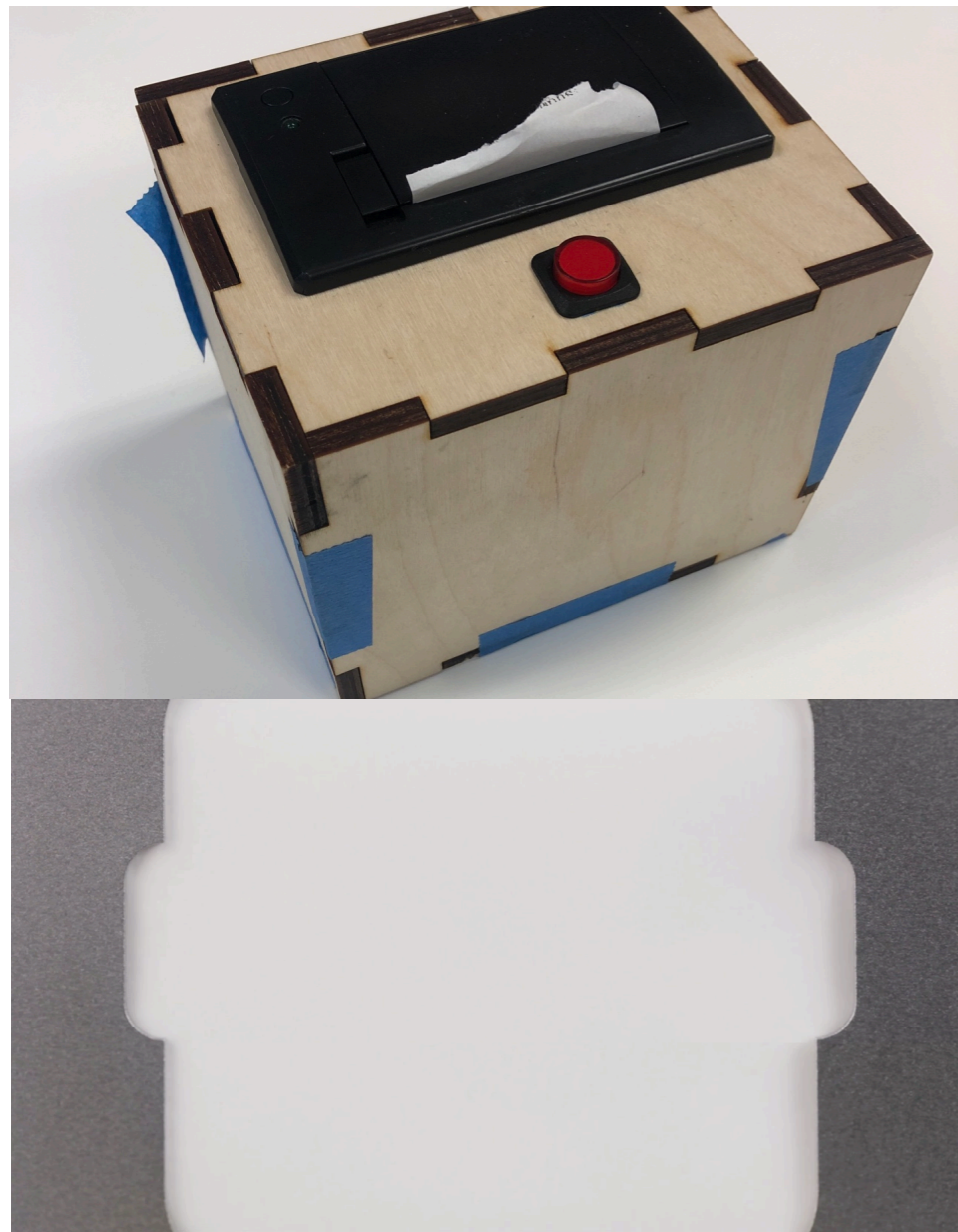
customize:

- mode (timelapse, photo, gif, video)
- recording time (1s - 60s)
- activation (on PIR, etc.)
- screen display
- output: export to GDrive, Dropbox, vimeo, youtube, etc.
- etc.



Remix as Video Feedback booth; Assembly bay timelapse; Demo capture

printer.xyz



Programmable printer that can subscribe to **channels** of content like to-do lists, social media comments, hints and inspiration, surveys, or important messages from Slack, SMS or other sources.

Features

bpa free receipt printer

location sensors

touch sensor

location sensors

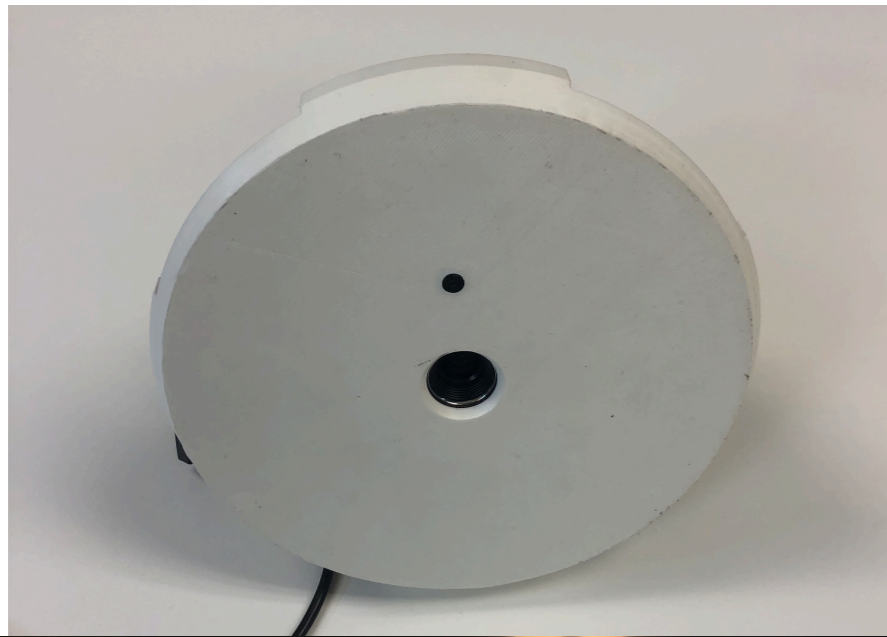
customize:

- channels: what it prints
- schedule: when it prints
- context: who is around and personalize content to them
- response to touch / press activation
- etc.

BERG, LittlePrinter

Remix as Critique Sharing, Reflection Tickets, Task List on Arrival

display.xyz



A channel-based projector that can respond to people, activities and context within the makerspace. Use it to display a wall of inspirational content, give visibility to activities and outcomes, display status, or show social media posts from your group.

Features

laser projector 720p

location sensor

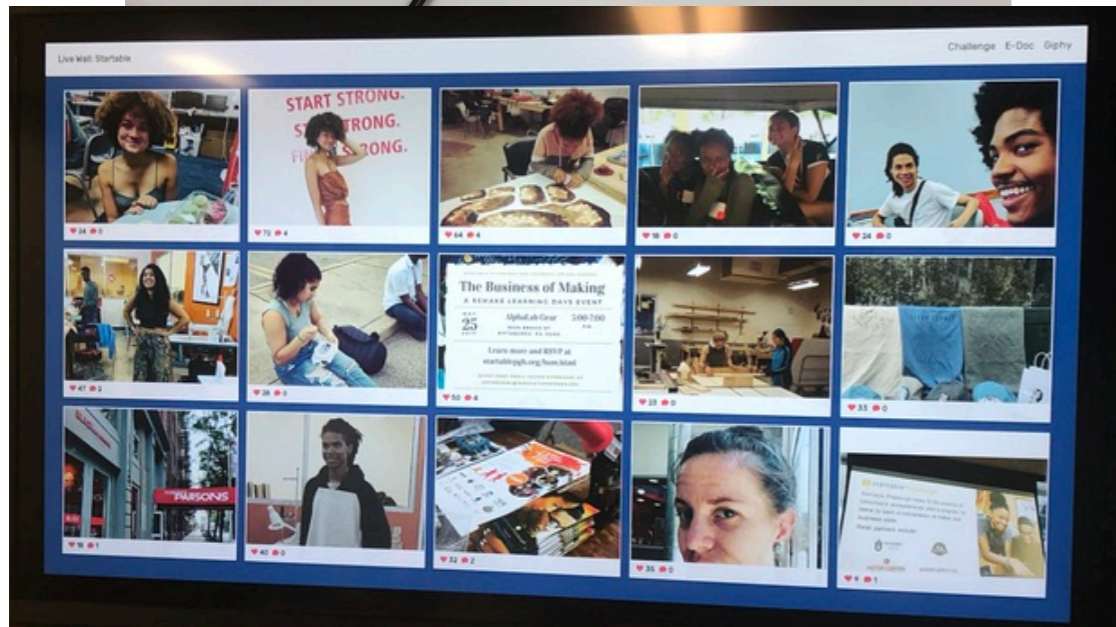
orientation sensor

gesture input (hover)

hdmi output

customize:

- up / down / front facing content = each their own channel
- display for nearby people
- display based on location / position in the room
- schedule or activities for a week or a day



Remix as Social media feed, help request, portfolio display, milestone

rfid.xyz



Grind Gallery, Breakfast NYC

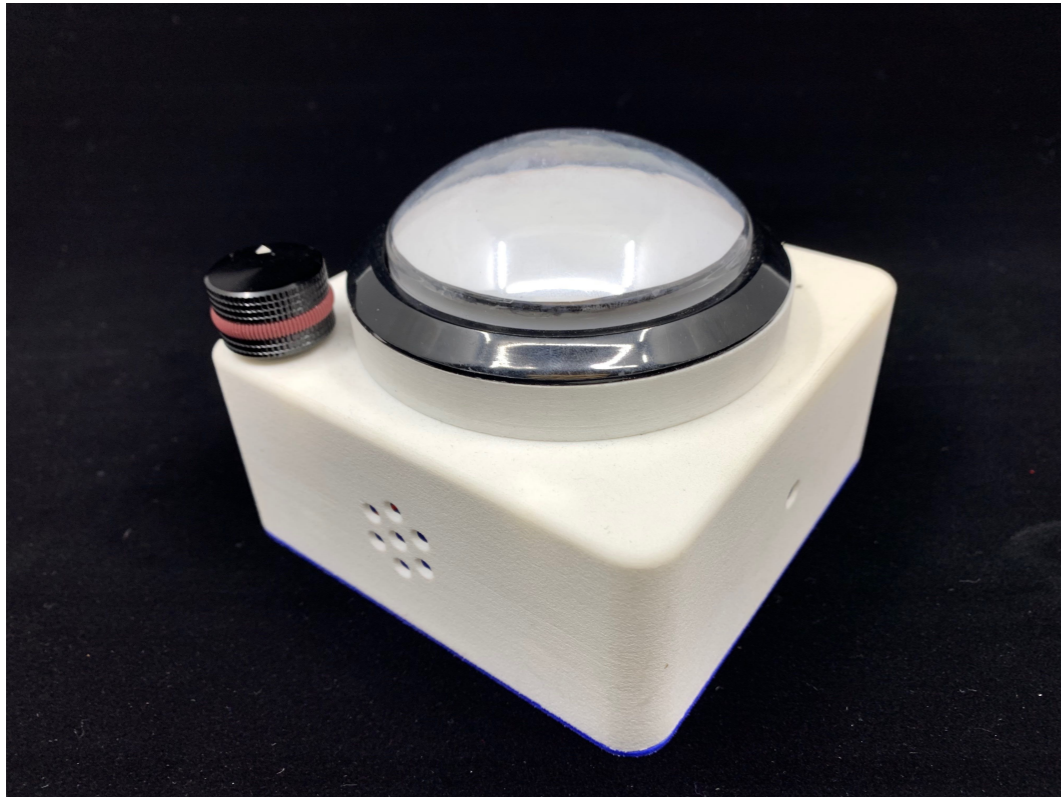
A simple RFID reader with a powerful backend. Map RFID tags to people, places or events and have each scan relayed to the other devices within your network.

Features

MiFare 13.56Gz RFID/NFC sensor
location sensors
+ kit of tags

Remix as Trigger Camera, identify people, track tools, trace station use, etc.

button.xyz



A set of location aware customizable buttons that will allow you to quickly log data or trigger actions on other devices. Through the online interface , you can quickly pipe presses into databases or connect them to actions in related devices.

Features

4 x color coded buttons

location sensors

scheduled reminders

Remix as Marking moments, marking mood, controlling camera

dial.xyz

A set of location aware customizable buttons that will allow you to quickly log data or trigger actions on other devices. Through the online interface , you can quickly pipe presses into databases or connect them to actions in related devices.

Features

led feedback

rotary dial

location sensors

scheduled reminders



Remix as Marking moments, marking mood, controlling camera

Smart space primitives

A suite of cooperative technologies that can be rapidly adapted to support the the cultures and practices of documentation in any maker space

button.xyz

dial.xyz

nfc.xyz

camera.xyz

audio.xyz

printer.xyz

display.xyz