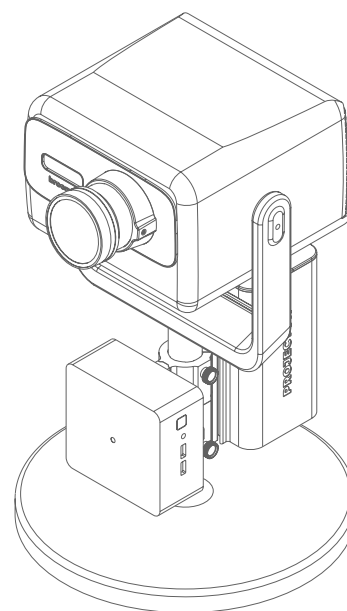# MK1
Installation manual

Table of Contents

Mounting options

The MK1 immersive projector offers a wide range of mounting options depending on the specific needs and the characteristics of the projection space. The optimal height from the projector lens to the ground is 1,50 m (59").
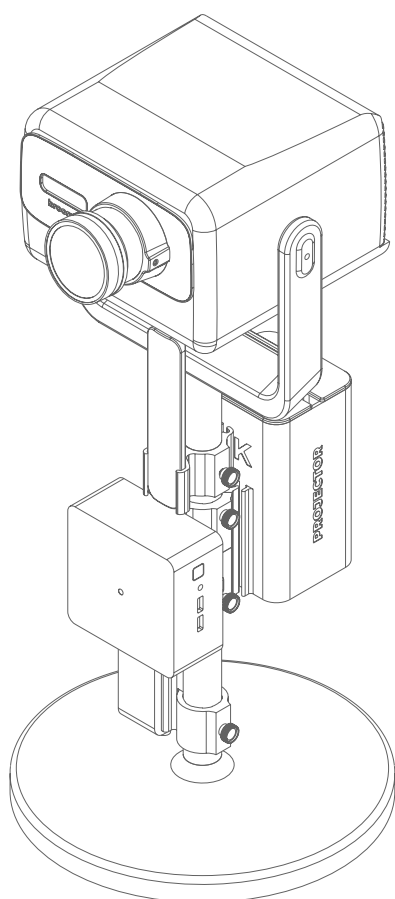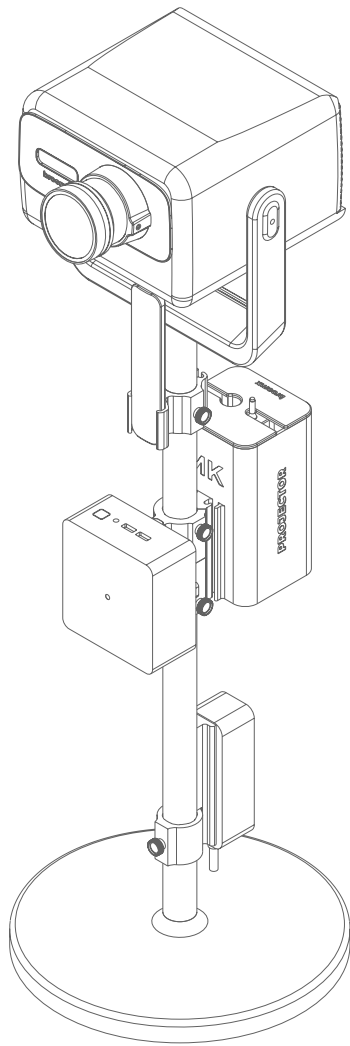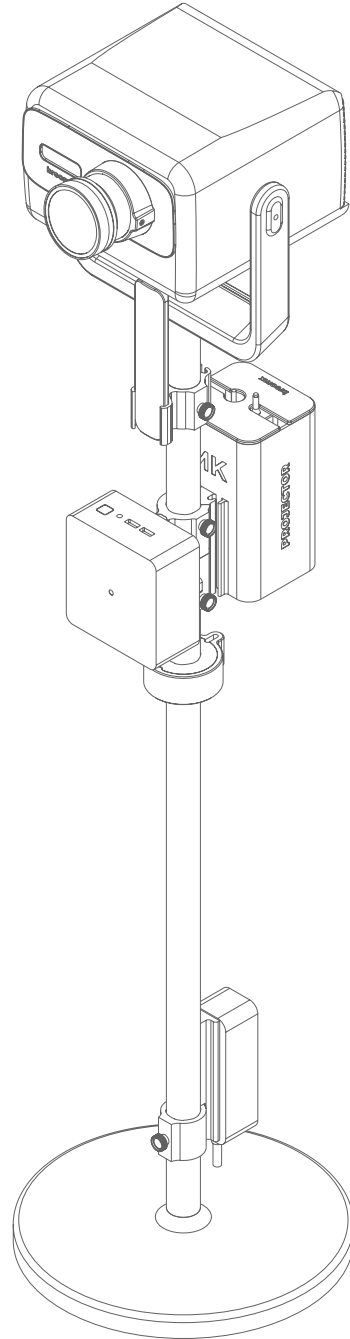
Shelf

Height: 40 cm (15,7")

Desk Low

Height: 60 cm (23,6")
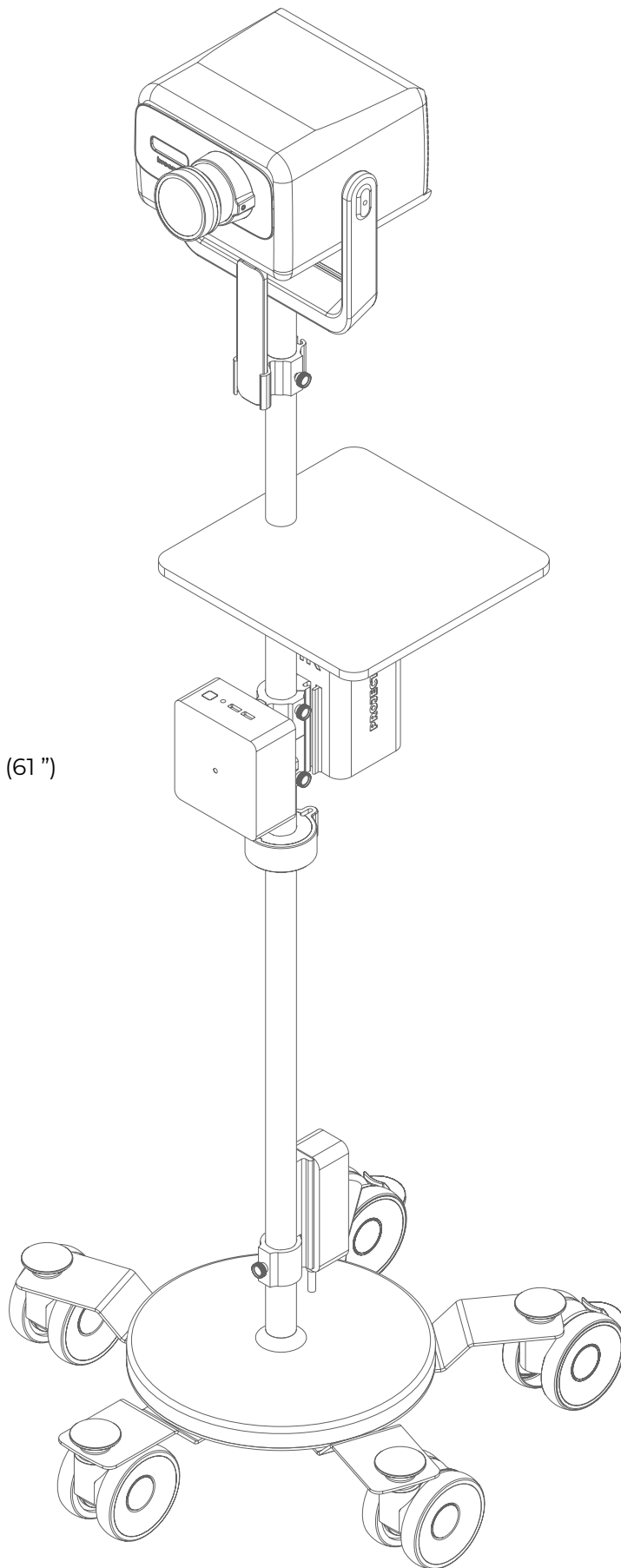
Desk High

Height: 87,5 cm (34,4")

Floor
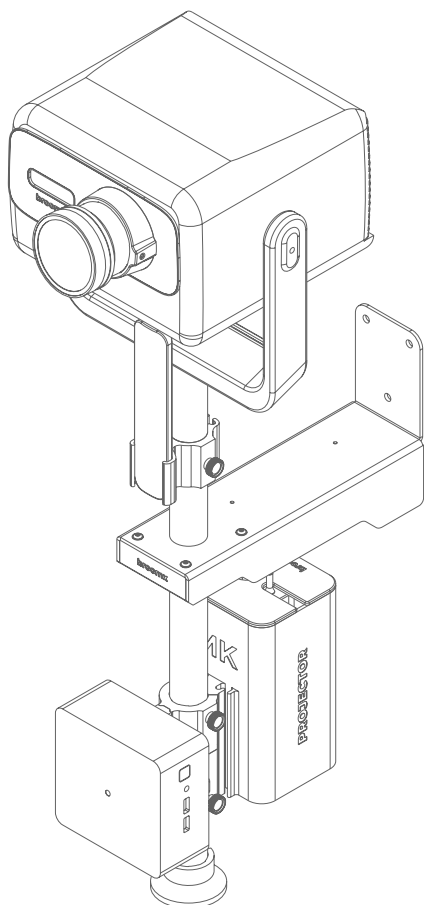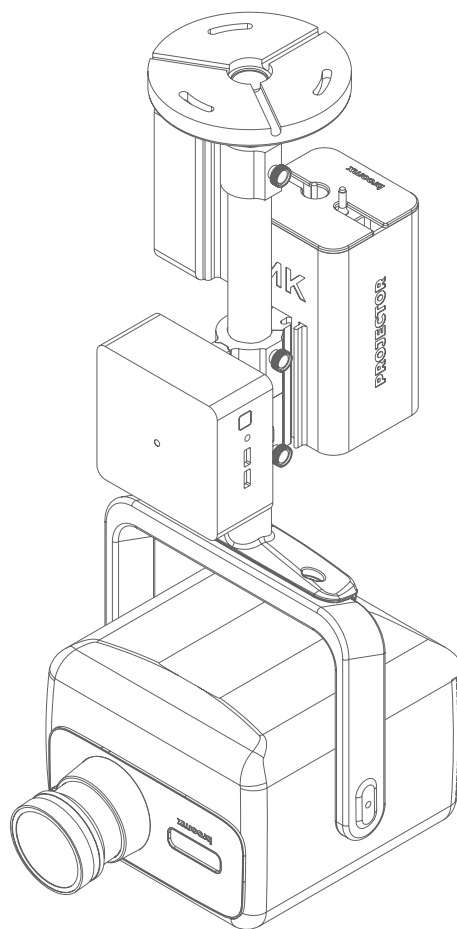
Height: 120 cm (47,2")

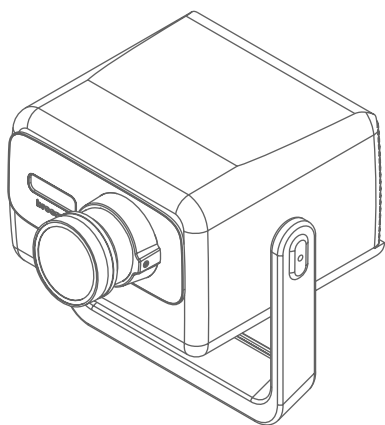**Trolley**

Height: 155 cm (61")

Ceiling

Height: 60 cm (23,6")

Wall

Height: 70 cm (27,6")

Content of package

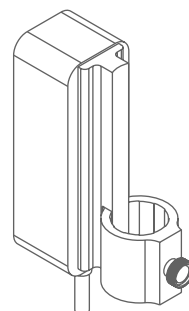4K projector + fisheye lens
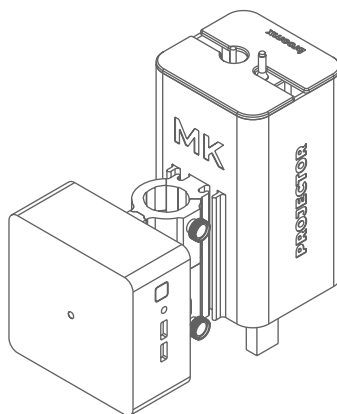
Power backpack
Includes:
- CPU
- CPU power adaptor
- Projector power adaptor

Connection strip
(except options
Shelf and Wall)

Rod 1 0 cm (3,93")
(only options Shelf and Wall)

Rod 30 cm (11,81 ")
(only options Desk Low and Ceiling)

Rod 60 cm (23,6")
(only options Desk High, Floor and Trolley)
(x2 option Trolley)
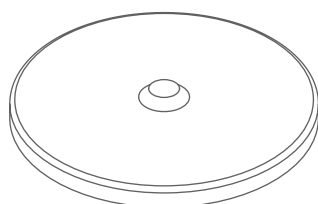
Base du support sol
(sauf options Ceiling et Wall)

Content of package

T-shaped gimbal

Projector screws x2
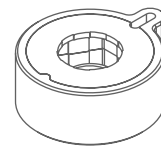
Rod connector

(only options Floor and Trolley)

Remote control

Includes: AAA batteries x2
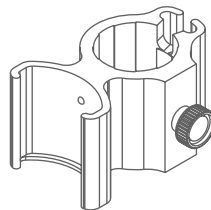
Remote control holder

(except option Ceiling)

Remote control wall holder

(only option Ceiling)

Content of package

LAN cable
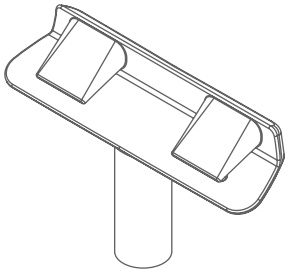
HDMI cable

IEC C5 power cable x2
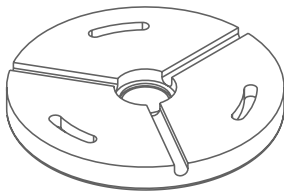
Floor stand base
(except options Ceiling
and Wall)

Allen wrench
2 mm
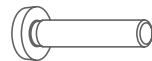
Wall / ceiling screws x3
(only options Ceiling and Wall)
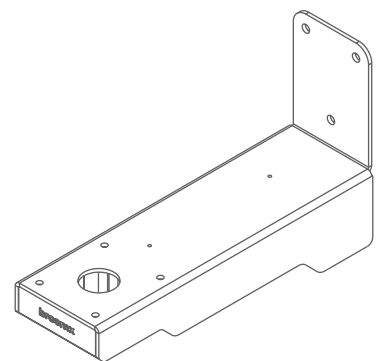
Wall mount base
(only option Wall)

Installation

Preparing the projection space

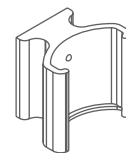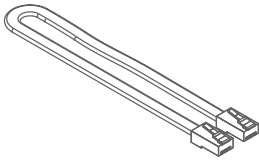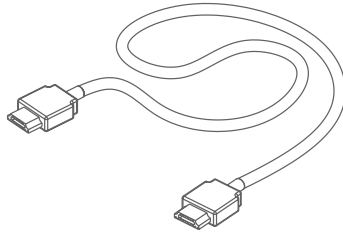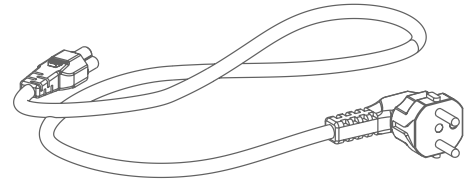Before proceeding with the installation of the Broomx MK1 immersive projector, please make sure the projection space fulfills the required specifications and that a wired internet connection is available.

Please consult the corresponding documentation from our help center.
Contact our technical support team for any doubts.

Installation (Shelf, Desk Low, Desk High, Floor)
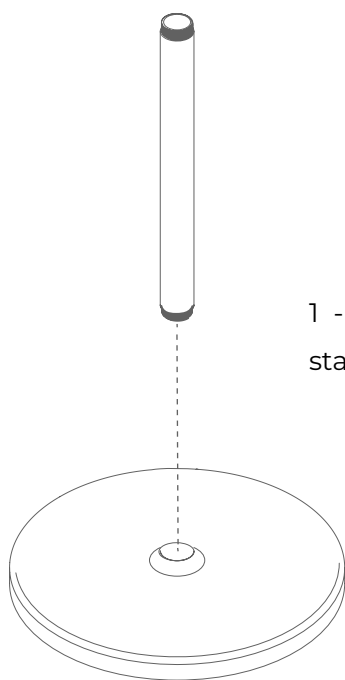
1 - Screw the rod to the floor stand base.
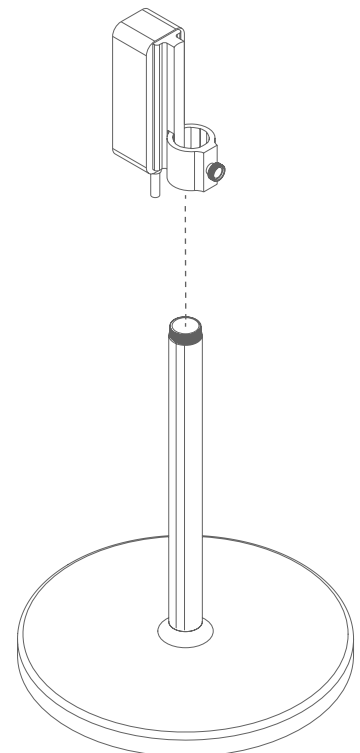
2 - Insert the connection strip onto the rod and fasten using the tightening knob.
(except option Shelf)

3 - Connect the rods using the rod connector. (only option Floor)

4 - Insert the Power Backpack onto the rod and fasten using the tightening knob.
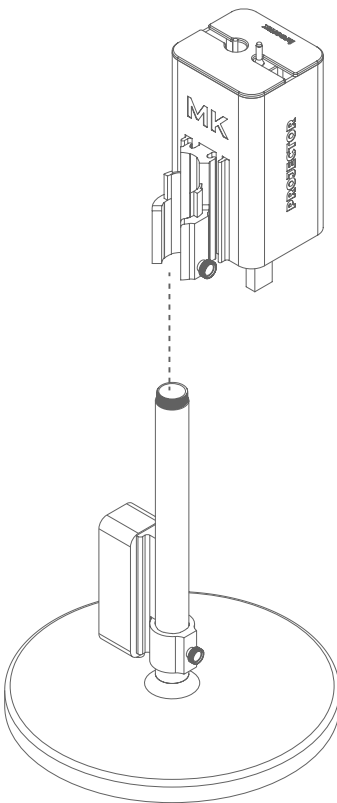
5 - Insert the CPU onto the rod and fasten using the tightening knob.
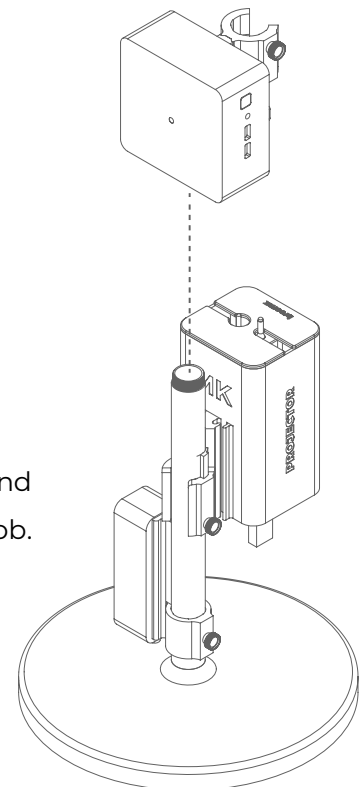
6 - Insert the remote control holder onto the rod and fasten using the tightening knob.

7 - Screw the T-shaped gimbal to the rod.

8 - Fit the projector to the T-shaped gimbal and screw tightly into place.

Installation (Ceiling)

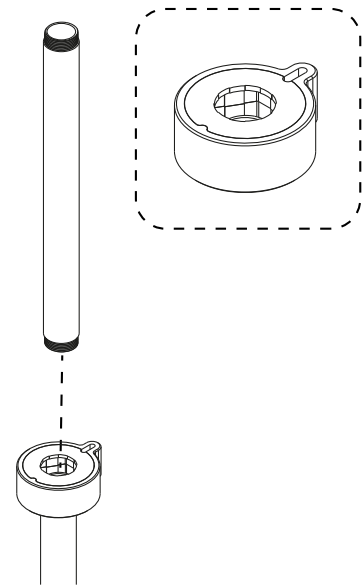1 - Drill 3 holes in the desired position for the projector, insert the anchor plugs, place the ceiling mount base and tighten into place using the 3 wall screws. Then, screw the rod to the ceiling mount base.
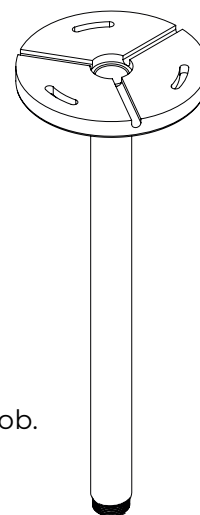
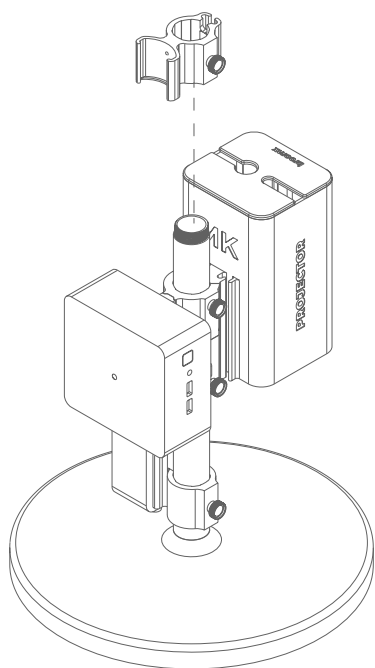2 - Insert the connection strip onto the rod and fasten using the tightening knob.
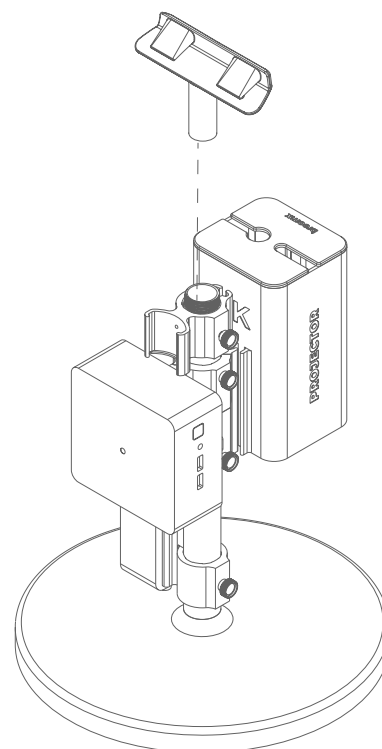
3 - Insert the CPU onto the rod and fasten using the tightening knob.

4 - Insert the Power Backpack onto the rod and fasten using the tightening knob.
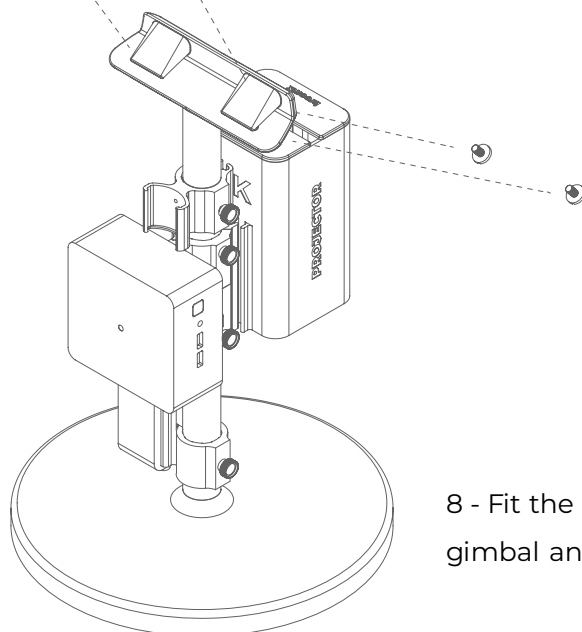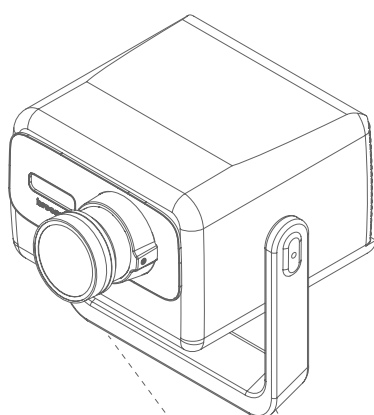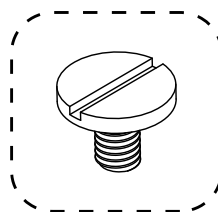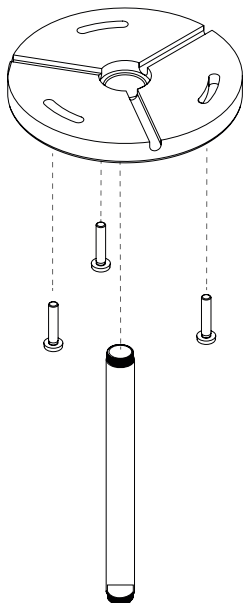
5 - Screw the T-shaped gimbal to the rod.

6 - Fit the projector to the T-shaped gimbal and screw tightly into place.
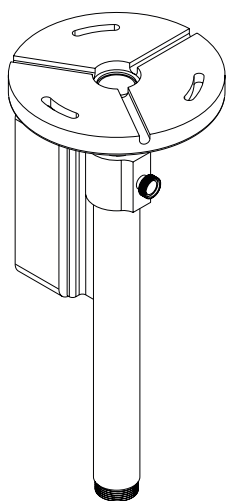
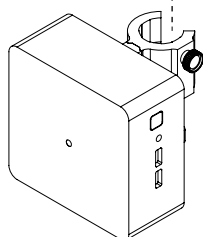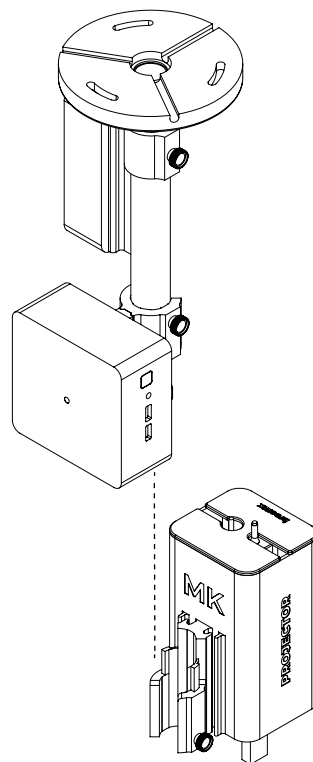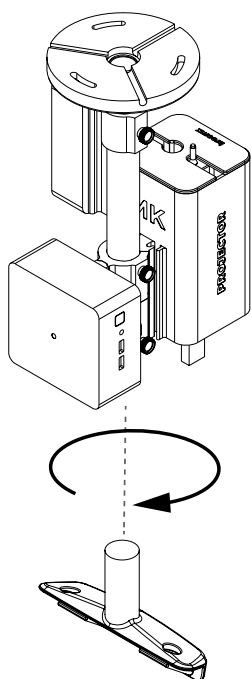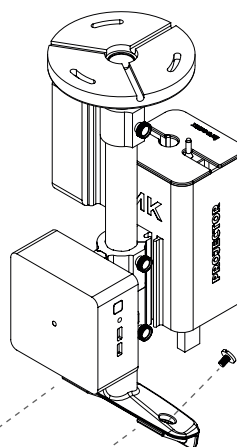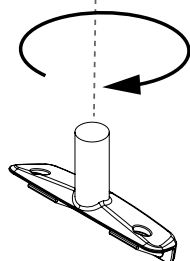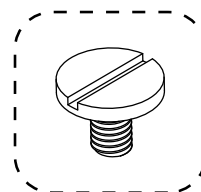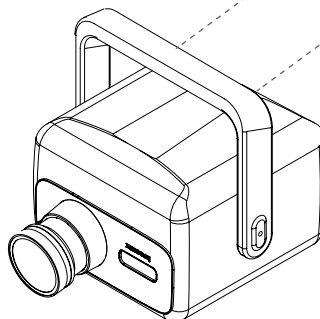✱ Place the remote control wall holder to the desired position using the adhesive surface.

Connections

1. Connect the HDMI cable to the "HDMI" connection of the CPU.
2. Connect the other end of the HDMI cable to the "HDMI (eARC)" connection of the projector.
3. Connect the CPU to its power adapter in the power adapter holder.
4. Connect the CPU to its power adapter in the power adapter holder.
5. Connect both power adapters to the power connection strip.
6. Connect the CPU to a router / internet connection socket using the LAN cable.
7. Connect the external speakers to the minijack connection of the CPU (optional).

Power on / off

Power on

1. Power on the projector using the remote control.
2. Connect the tablet / smartphone / PC to the projector's WiFi network:
   – Network: **MK#**
   – Password: **broomxnet**
3. Open a web browser and enter the following URL:
   – **http://broomx.control**
4. Navigate to the "Sessions" section and select any content for playback.

Power off

1. Stop the content being played back, or navigate to: Menú > Settings > Standby.
2. Power off the projector using the remote control.
3. Only disconnect from power when transporting the projector to another location. Before disconnecting from power, wait 3 minutes after powering off the projector.

If the connection fails or is unstable, please disable phone data and all automatic connection to other WiFi networks.

Adjusting the image

Projector position

- 3-5 m. (10-16 feet) from the main projection wall.
- Centered in the projection space.
- Perpendicular to the main projection wall.

Adjusting the focus

1. Press the "Settings" button on the remote control.
2. Select: All Settings > Projector > Focus > Manual Focus.
3. Adjust the focus using the wheel on the remote control.
4. Exit the Settings menu.

*Just like human vision, the projected image is crisper in the center of the image and more blurry on the sides (peripheral vision).

Calibration process

1. Power on the projector and connect the control device (tablet / PC / smartphone).
2. Rotate the projector gimbal on the vertical axis so that the bottom limit of the projected image touches the floor.
3. In the control interface, navigate in the main menu (top right) to Settings > Projection > Calibrate.
4. Position the red vertical line in the center of the projection wall.
5. Position the red horizontal line so that it is straight and parallel to the floor across the projected surface.
6. If the red horizontal line cannot be leveled low enough, lift the "OffsetY" fader.
7. Disable the "Calibrate" function to save the changes.

Maintenance

- Clean the casing, lens and floor / ceiling support using isopropyl alcohol and a soft microfiber wipe.
- Do not spray the alcohol directly on the projector's components.

Safety warning

This product contains a laser module. Do not disassemble or modify the module in order to avoid personal injury.
As with any bright source, do not stare into the direct beam.

This product is a Class 1 laser product RG2 in compliance with IEC 60825-1 :201 4 and IEC 62471 -%:201 5.