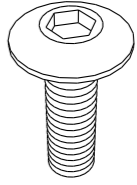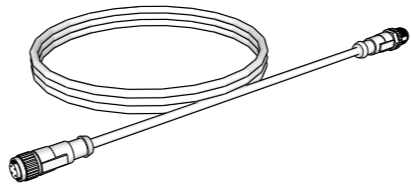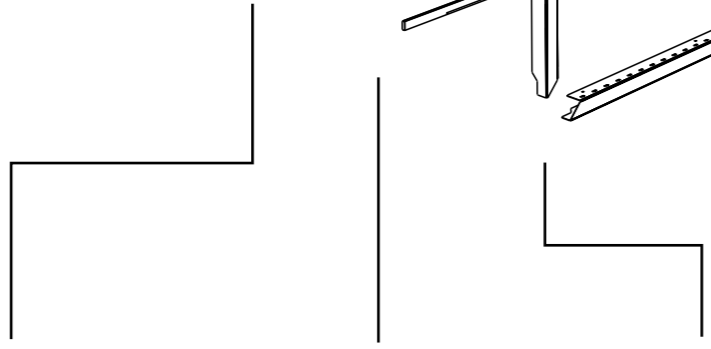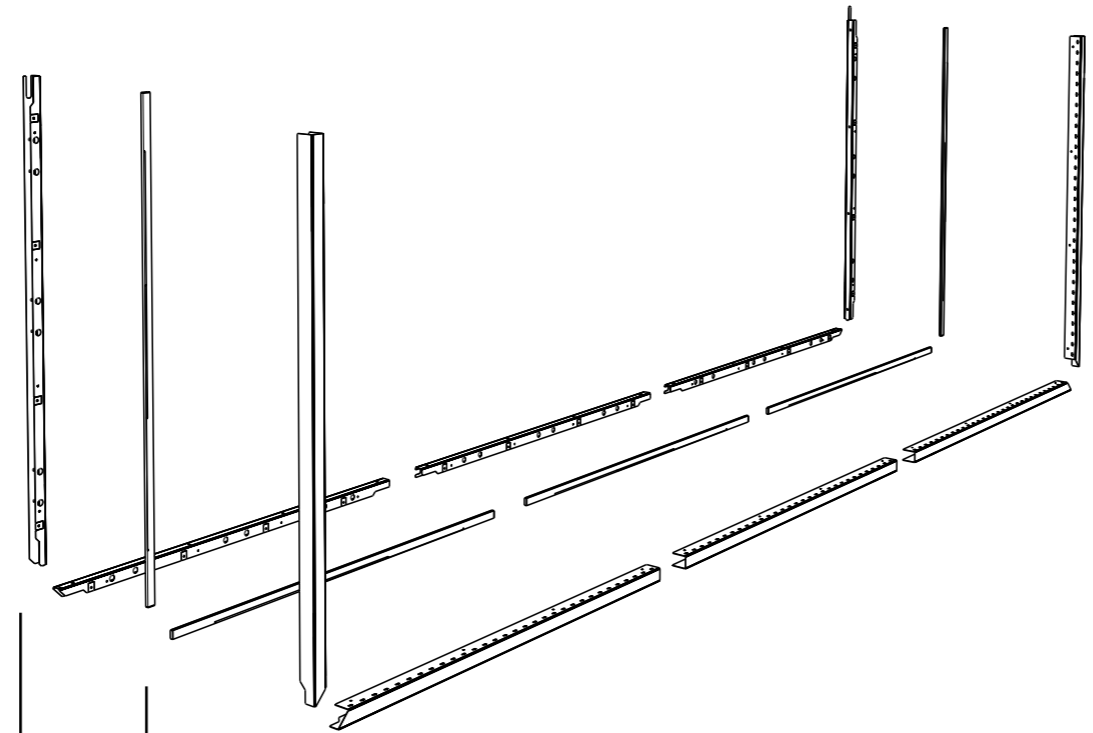# MULTI BALL

Setup Guide

Fun With Balls GmbH

What's inside the box
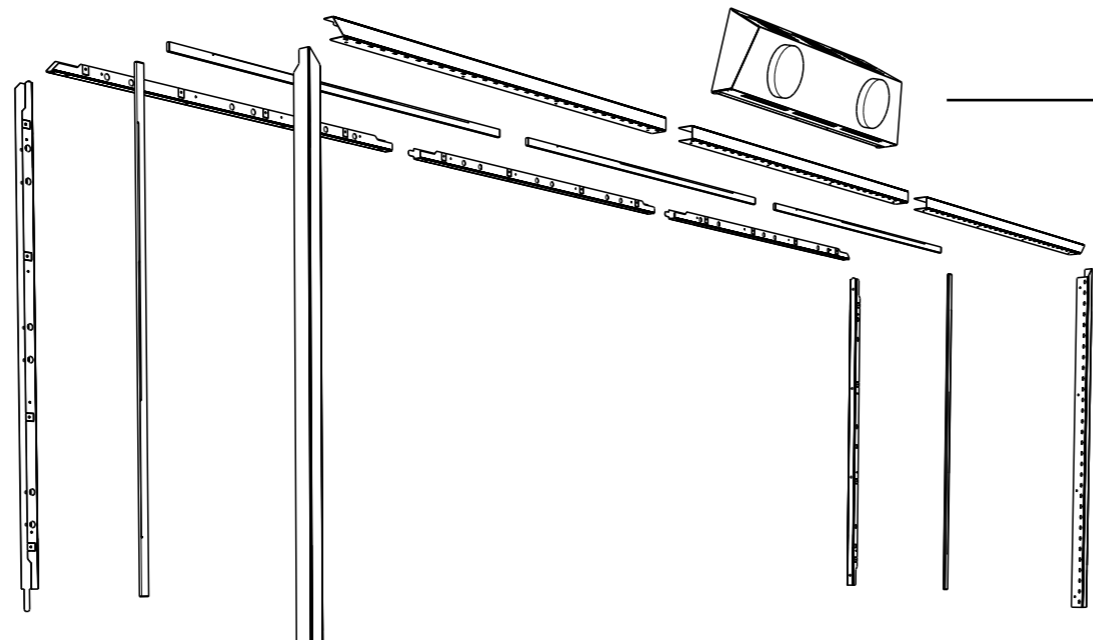
Speaker Box with Processing Unit

Frame (x10)   **Light Bar (x10)**   **Cover (x10)**   **Sensor Cable (x4)**   **Light Bar Bolt M2 (x40)**   **Cover Bolt M6 (x40)**
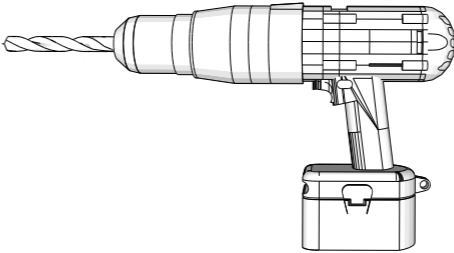
Recommended Equipment
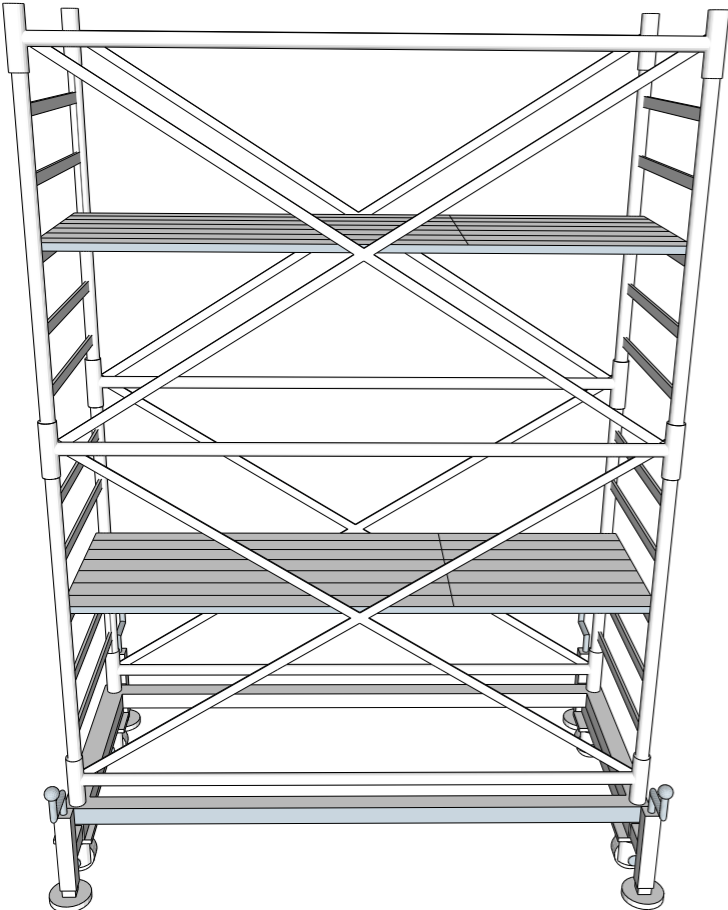
Rolling Scaffolding

Spirit Level

(Impact) Drill
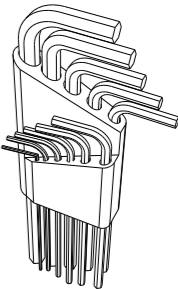
Allen® Key Set

Step 1
Arrange the Frames

Description	Sticker
MB Frame Top Left	FR1
MB Frame Top Middle	FR2
MB Frame Top Right	FR3
MB Frame Rightside Up	FR4
MB Frame Rightside Down	FR5
MB Frame Bottom Right	FR6
MB Frame Bottom Middle	FR7
MB Frame Bottom Left	FR8
MB Frame Leftside Down	FR9
MB Frame Leftside Up	FR10
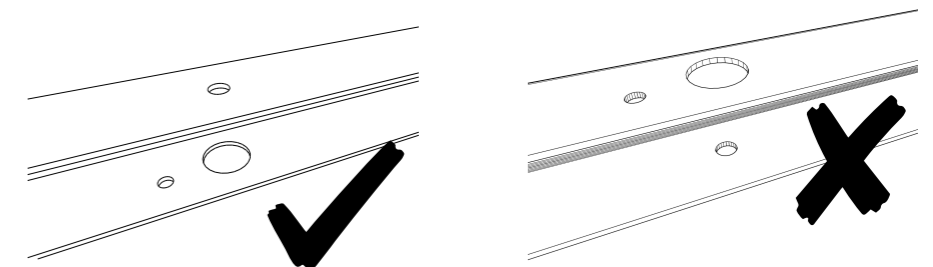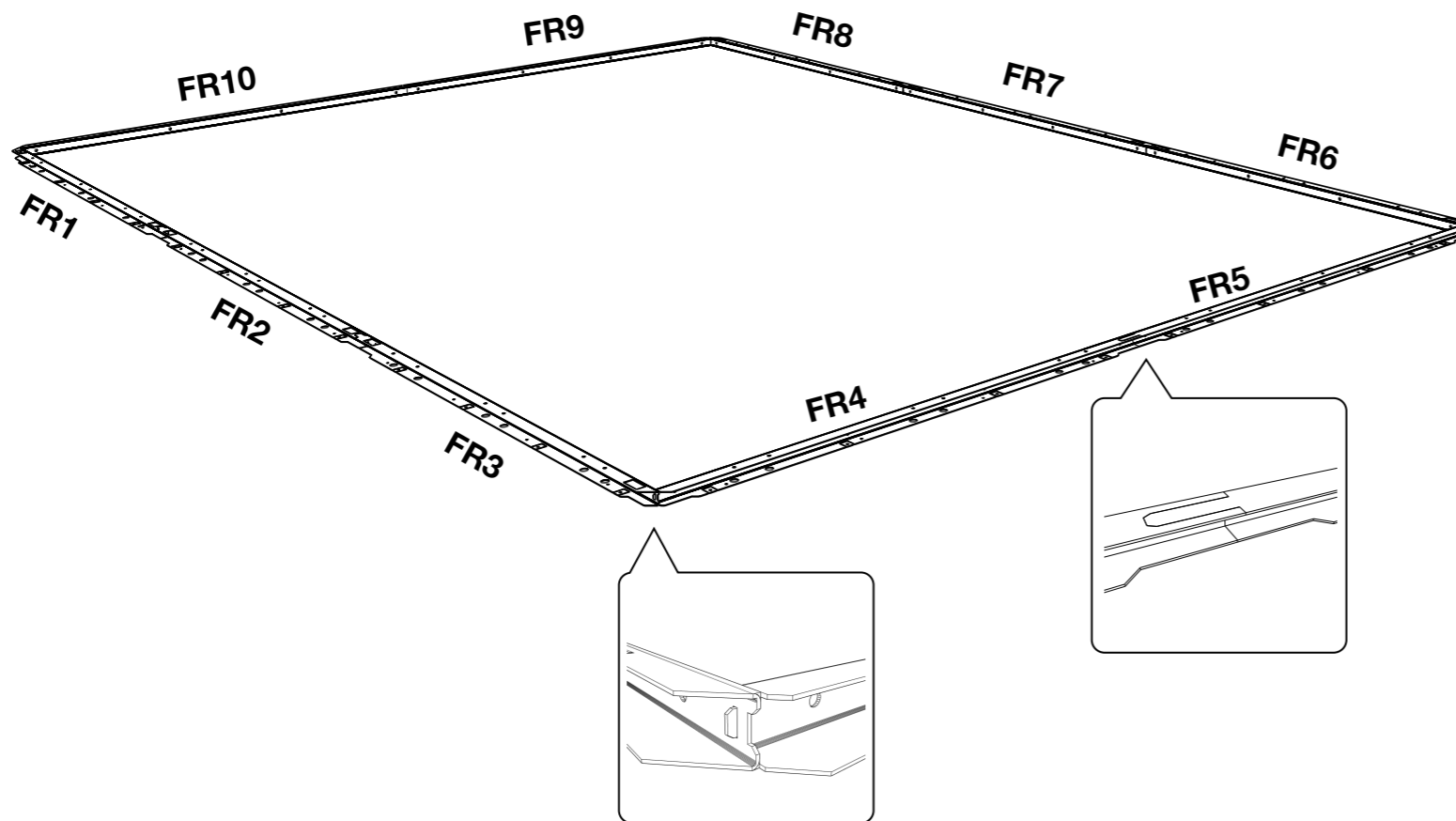
Step 2
Mount Frames

3

2

1

Max. 5cm
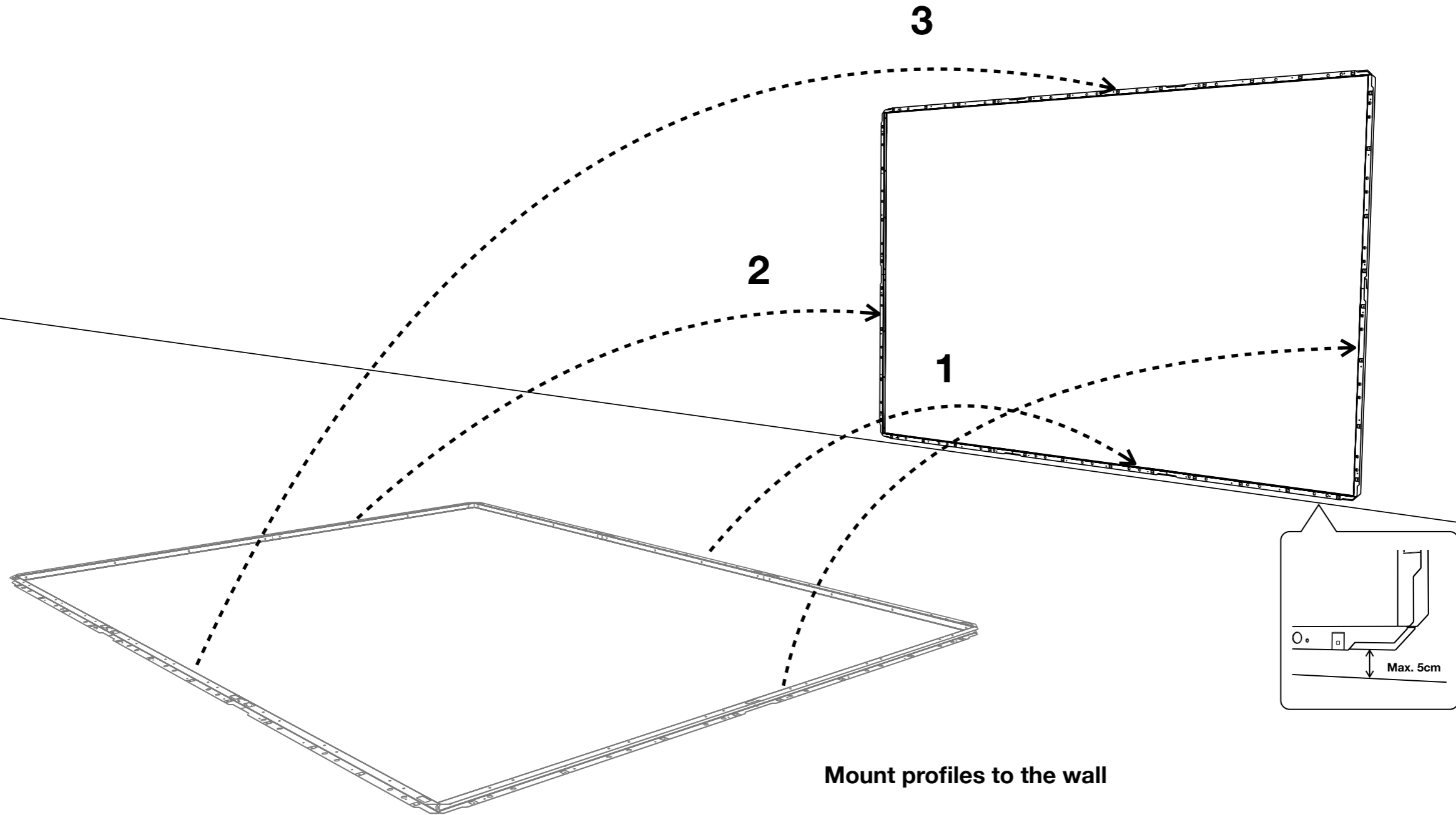
Mount profiles to the wall

1 bottom - fix all screws and we advice to keep the distance of
about 5cm only or less from the floor for the ease of handling.

2 sides   - only fix the top screw for each profile to hold it in place

3 top   - try if the distance to the sides is correct and the top fits
- then fix all top screws and last the remaining screws for the sides

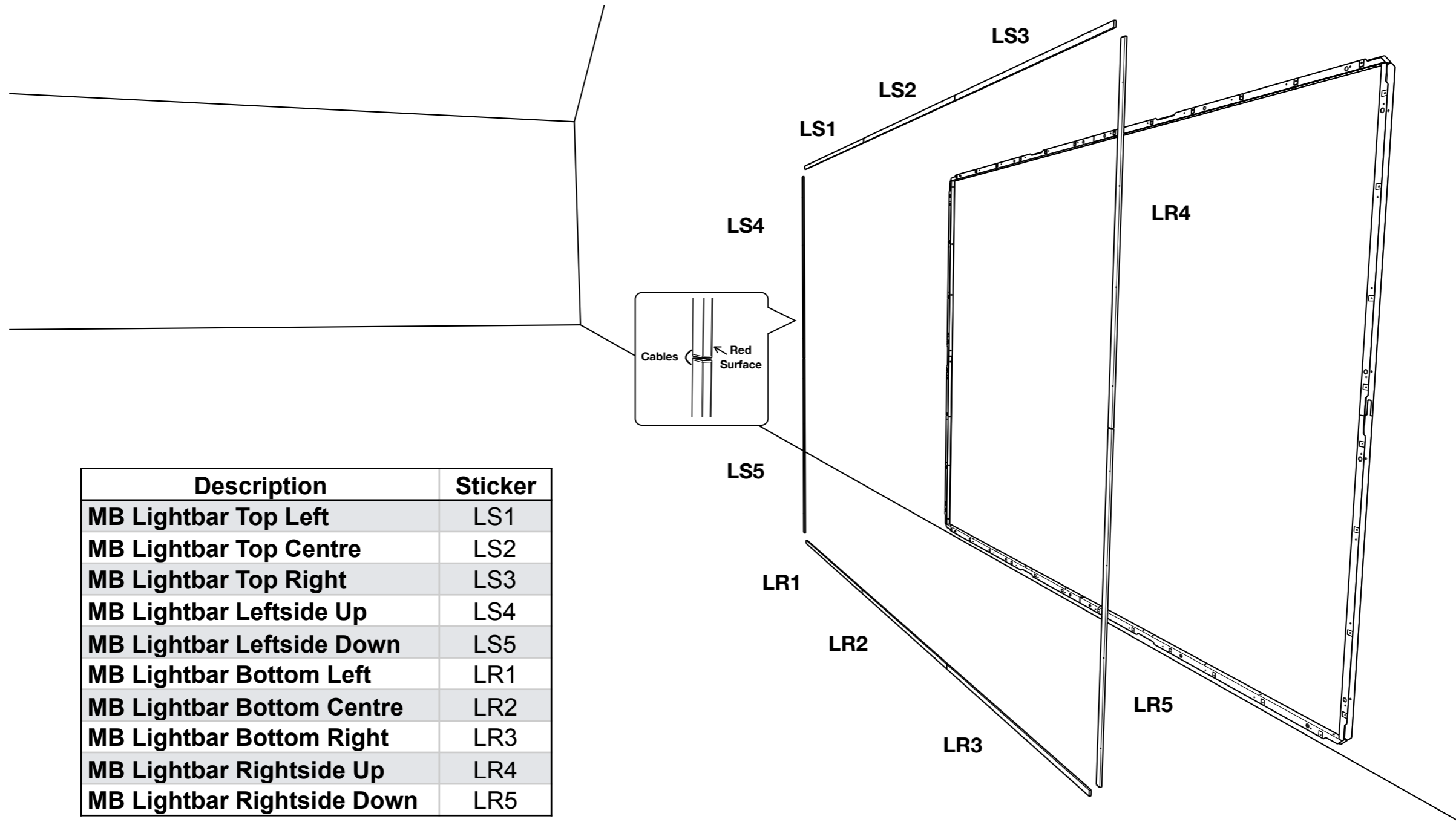⚠ **Please make sure all profiles are perfectly horizontal/vertical**

ⓘ **Bolts, dowels and washers are not included, due to different wall types. Please organize them yourself. There are 20 holes with a diameter of 8mm for the attachment.** ✗

Step 3
Mount the Light bars

LS3

LS2

LS1

LS4

LR4

Cables ← Red Surface

LS5

LR1

| Description	Sticker
MB Lightbar Top Left	LS1
MB Lightbar Top Centre	LS2
MB Lightbar Top Right	LS3
MB Lightbar Leftside Up	LS4
MB Lightbar Leftside Down	LS5
MB Lightbar Bottom Left	LR1
MB Lightbar Bottom Centre	LR2
MB Lightbar Bottom Right	LR3
MB Lightbar Rightside Up	LR4
MB Lightbar Rightside Down	LR5

LR2

LR5

LR3

⚠ Red surface of the bars facing towards the inside!
Cables towards the outside of the frame
Do not over-tighten the bolts!

ⓘ Use small black bolts provided, using additional bolt adhesive is recommended

Step 4
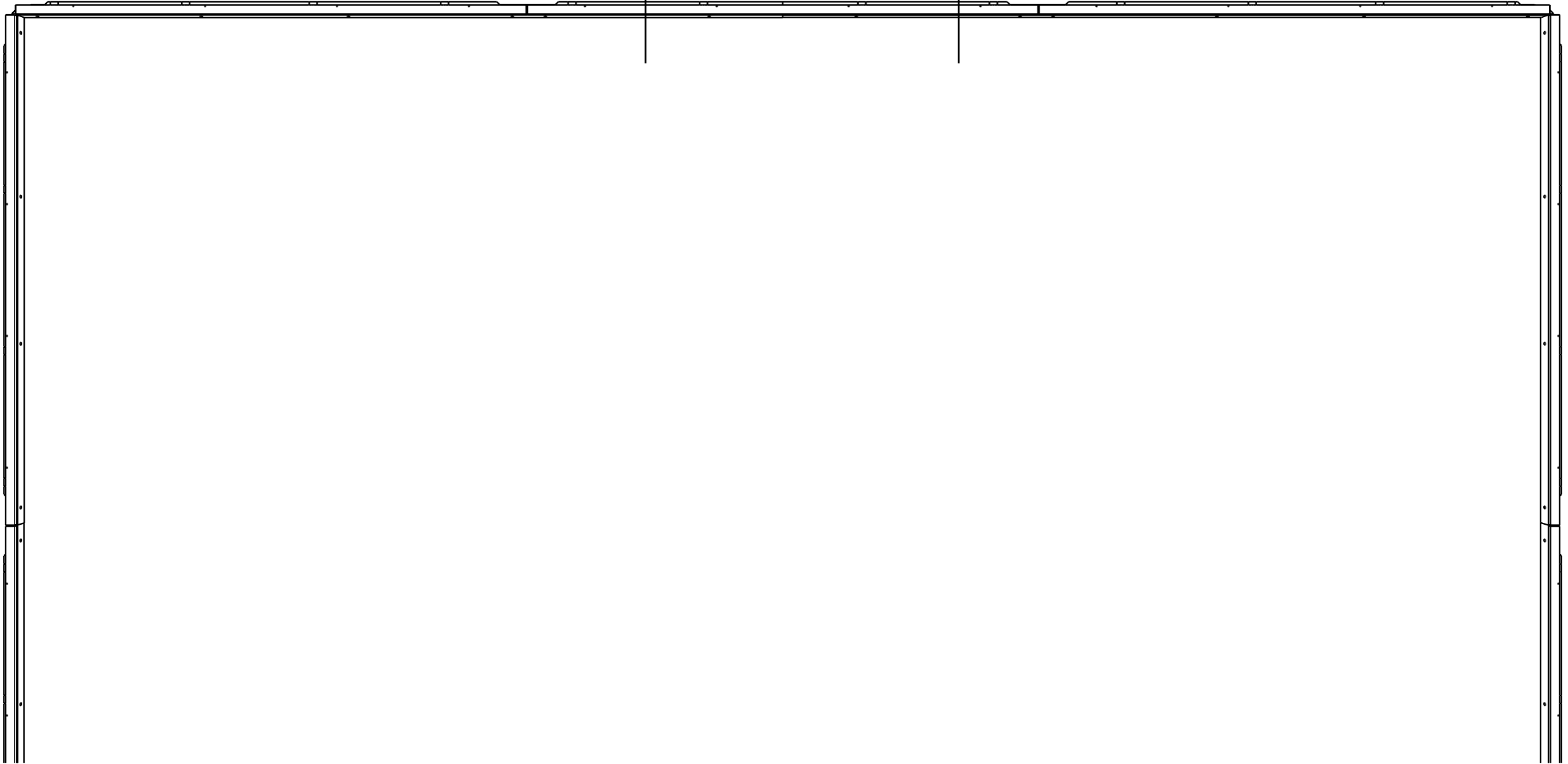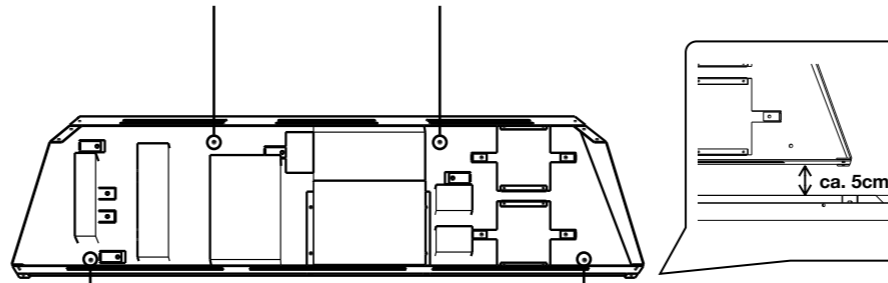## Open multiBALL Console

2x

2x

2x

2x
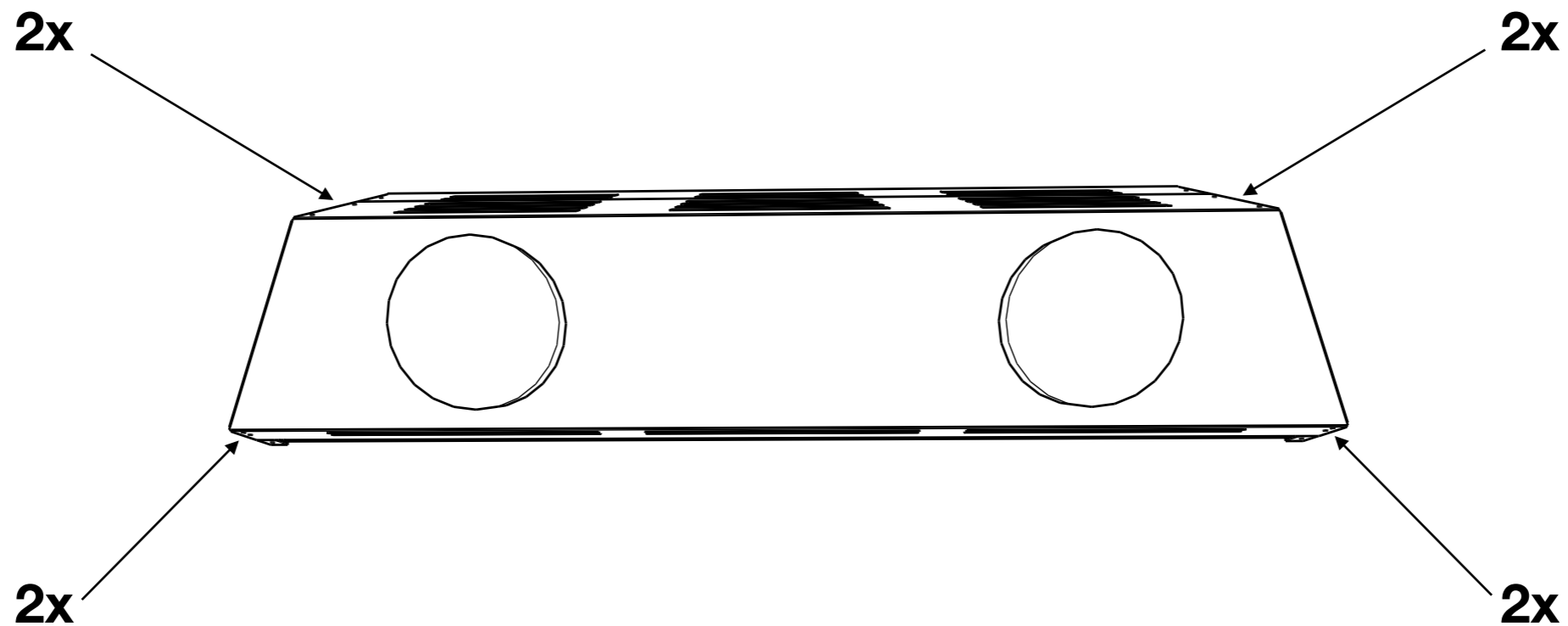
⚠ **Carefully lift up the cover and make sure you disconnect the speaker cables!**

ⓘ **Remove the 8 small bolts holding the cover.**

Step 5
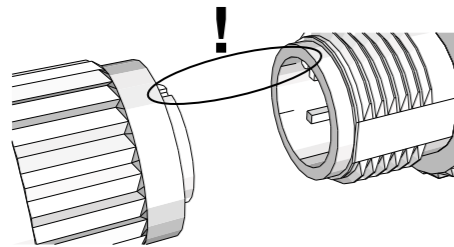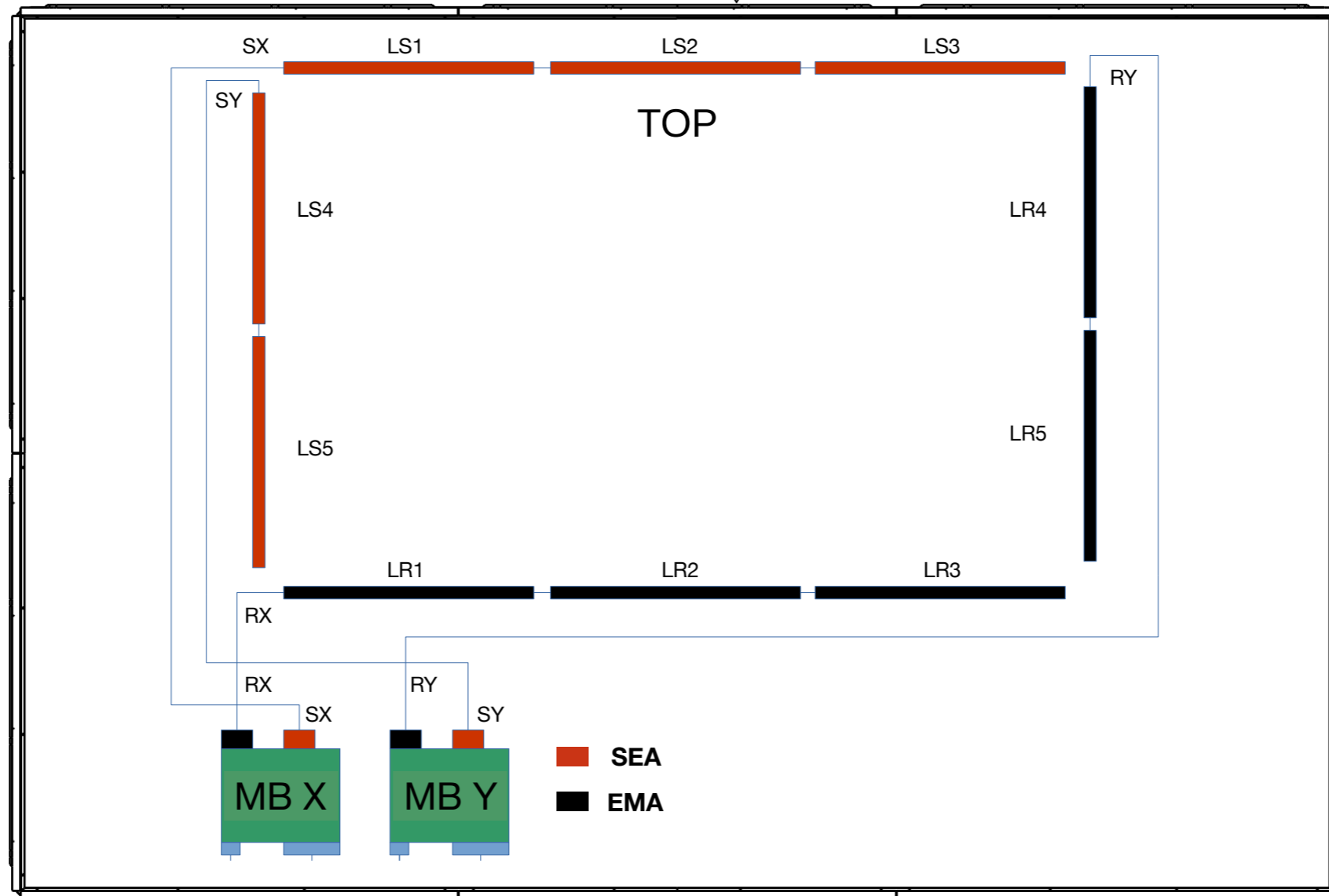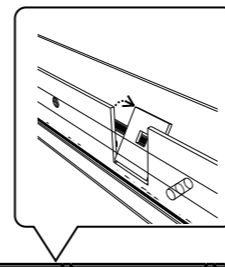## Mount multiBALL Console

ca. 5cm

ⓘ **Use this step to connect the LAN, HDMI and Power Cables.**

Step 6
Connect sensor cables

SX	LS1
SY	LS2
	LS3
	RY

TOP

LS4

LR4

LS5

LR5

LR1

LR2

LR3

RX

RX

RY

SX

SY

MB X

MB Y

■ SEA
■ EMA

The plugs are equipped with a guide to ensure correct connection. Make sure to gently find the guide before pushing the plugs together and screwing them tight!

Connect the light bars with each other. The open and labeled plugs have to be connected to the sensor cables.
Use connection diagram!
Put all the cables into the Base Profiles. Any spare cable can be arranged in the top Base Profile. To prevent the cables from falling back out, bend the square flaps with a screw driver to hold the cables in place.

Step 7
Calibrate LVX

1. Power ON Computer

2. Power OFF the LVX's (disconnect plug)

3. Flip switch #3 on both LVX with a small screw driver

4. Power ON the LVX´s (re-connect plug)

5. Check if both green and orange lights on the LVX´s are ON.

6. Touch the wall between the light bars, the green light should go OFF touching the wall

7. After the touch the green light should go ON again

8. Power OFF the LVX´s (disconnect plug) after checking

9. Pull switch 3 back again in row with the others

10. Power ON the LVX's

(i) **Touching the wall should now make two more green LEDs flash up near to the big power connector plug**

Step 8
Mount Covers
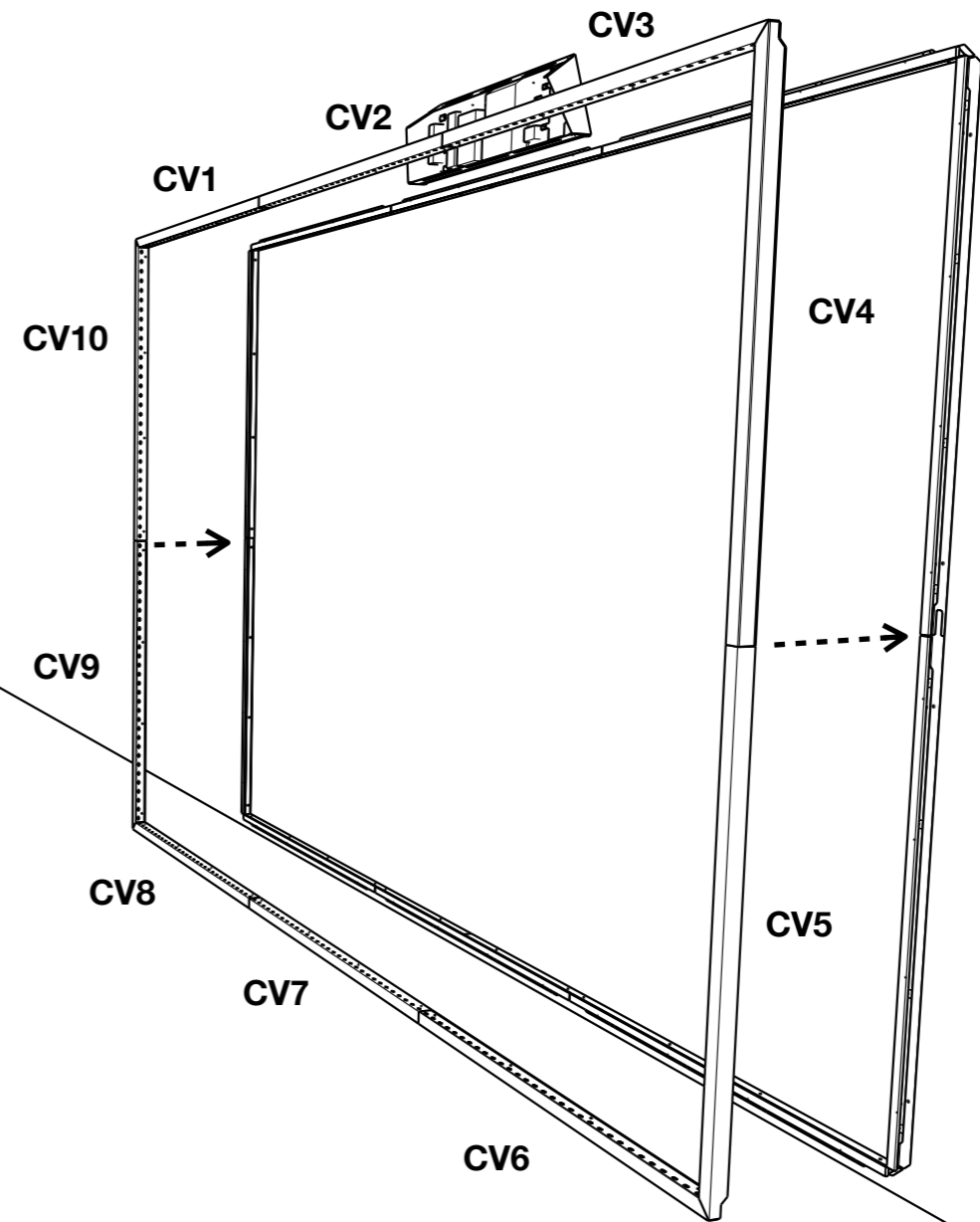
| Description	Sticker
MB Cover Top Left	CV1
MB Cover Top Centre	CV2
MB Cover Top Right	CV3
MB Cover Rightside Up	CV4
MB Cover Rightside Down	CV5
MB Cover Bottom Right	CV6
MB Cover Bottom Centre	CV7
MB Cover Bottom Left	CV8
MB Cover Leftside Down	CV9
MB Cover Lefttside Up	CV10

⚠ Carefully slide on the covers and avoid pinching or bending the sensor cables!
If using an electric drill, make sure not to damage the white surface of the wall!

ⓘ Labels match the ones on the Light Bars.
Use silver bolts provided.
Once covers are on, repeat Step 7 „Calibrate LVX"

Step 9
Adjust Projector
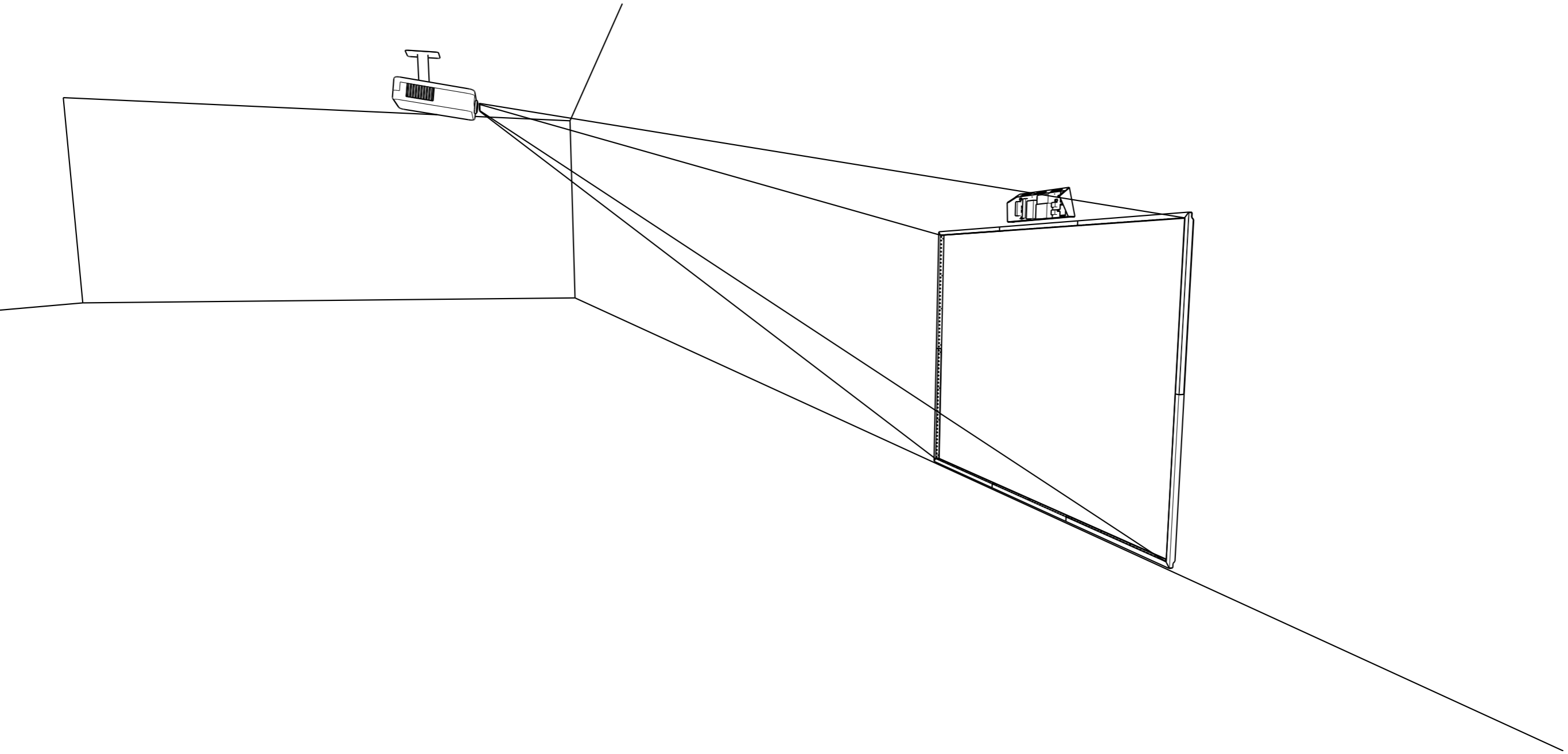
⚠ To get a picture, always make sure you power on the projector first and then the multiBALL system.
If the game does not fit in the visible picture, get in touch with us so we can remotely change the settings
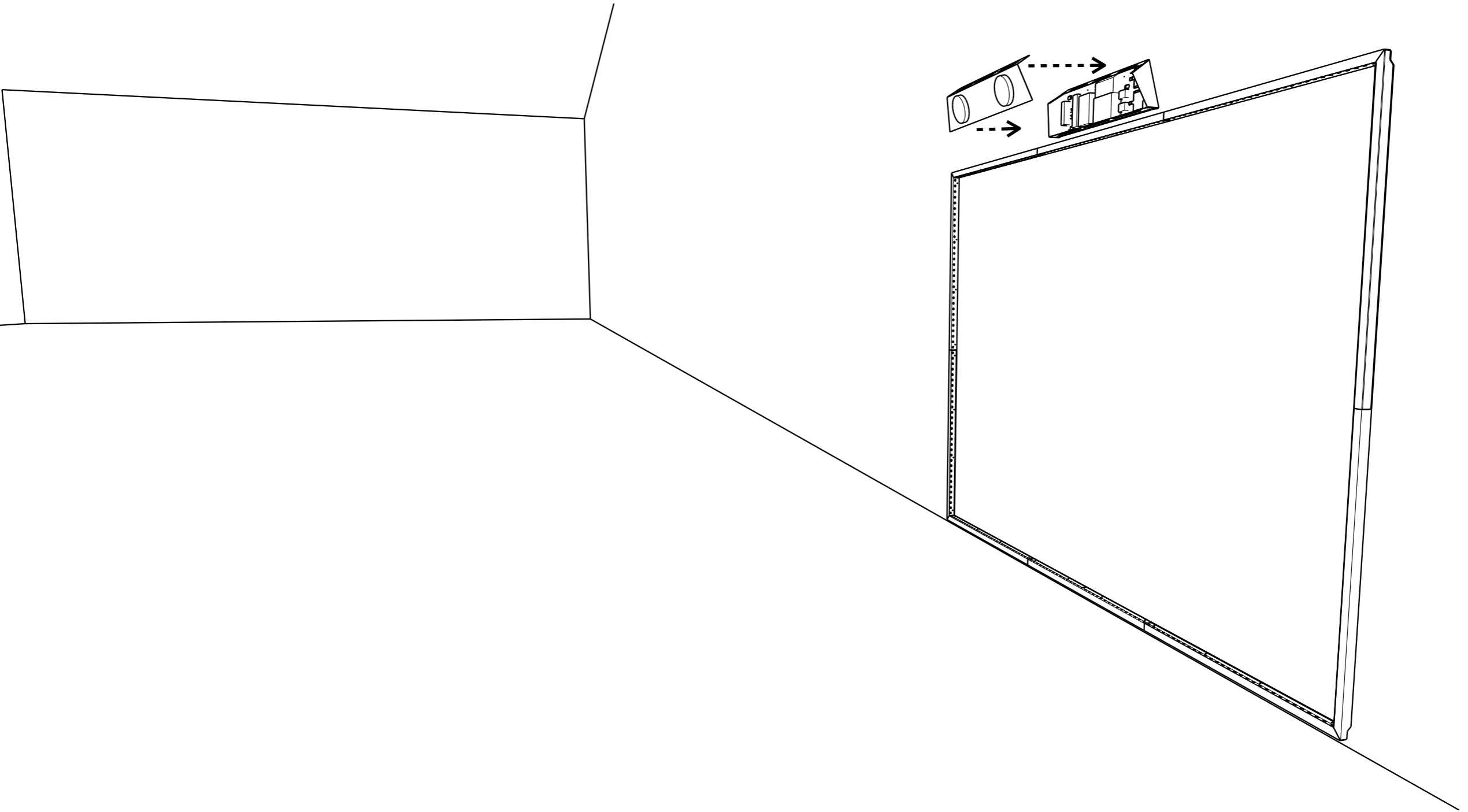
ⓘ Using „Shift" and „Corner Correction" on your projector, align the picture so it perfectly fits into the frame.

Now its time to test the system for the first time. Everything should run smoothly.
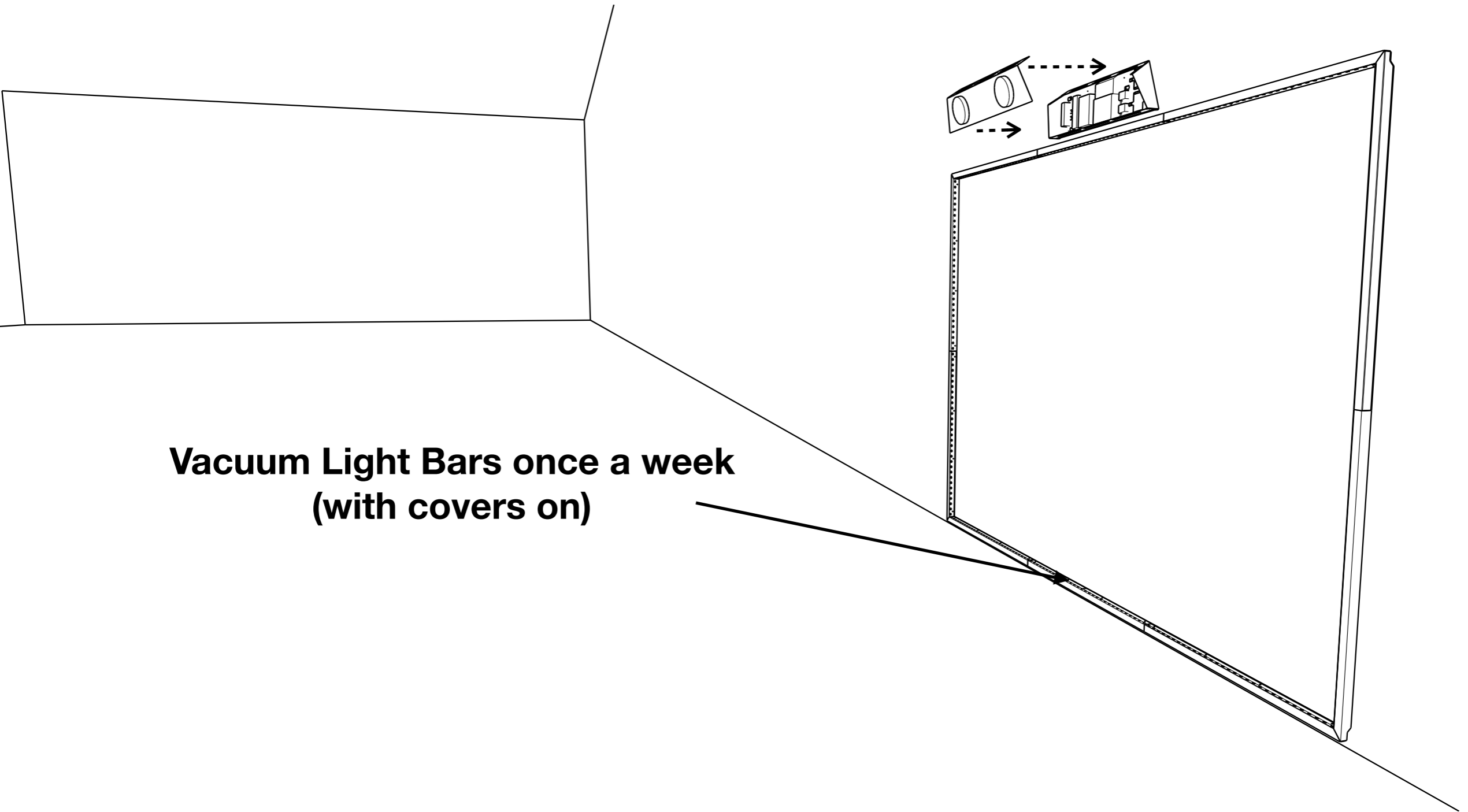
Step 10 : Final
Mount multiBALL Console cover

⚠ **Don´t forget to re-connect the speaker cables**

ⓘ **Use this step to adjust the volume of the amplifier. The volume can also be adjusted in the menu so try to find the best level suitable for you.**

Maintenance

**Vacuum Light Bars once a week
(with covers on)**

⚠ Don´t forget to re-connect the speaker cables

ⓘ Use this step to adjust the volume of the amplifier. The volume can also be adjusted in the menu so try to find the best level suitable for you.

Thank you!

FWB Team