



Sharebox - Master m12 kiosk and extension e16 module  
m28 -Installation



### **Release Notes:**

V1.03 - Dec 21 2023: Clarification re. external connection of AC power cable and Ethernet cable

V1.02 - Nov. 8 2023: Minor improvements to logo and wording.

V1.01 - Sept. 22 2023: Original release.

## Risks, PPE, and Legal

### Risks

Health and Safety aspects are amongst others: Risk of getting crushed when lifting and placing the kiosk.

The kiosk can tumble over when lifting and placing the kiosk.

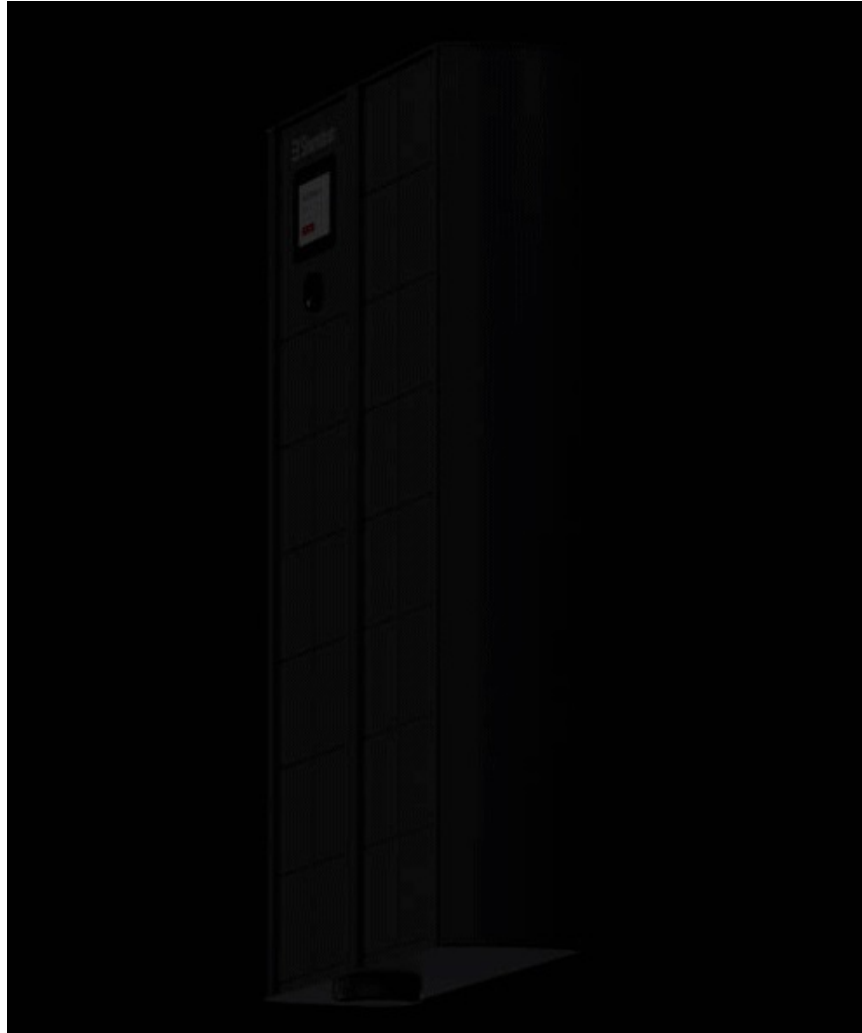
High voltage hazard with risk of electric shock, burns and fire.

N.B! The electric circuit must be off during lowering, placing and while pulling and attaching cables.

### PPE

Always wear appropriate personal protective equipment (PPE), such as gloves, boots, helmets, goggles, et cetera.





The purpose of this guide is to help reduce the risk of damage and errors during installation.

This process will be easy for you.

Please note that the images are for illustrative purposes only. Colours and product variants may vary.



### **Tools for installing wall frames**

Before we begin, let's make sure you have all the tools you need for installation.

To align and mount the wall frames and kiosks, you need a drill, a level and a tape measure.

Observe all of the following steps in this guide.



### Wall Frames

**Note:** The frame with top lip will be mounted on the right.

The distance from the floor to the top of the frames is 170 cm (approximately 67 inches).



The frames must be 88 mm apart, measured between adjacent holes in the frames, as shown. An Ethernet cable runs between the two cabinets. Therefore, it is necessary to remove the small recess in the frames, approximately 25 cm from the top.

Do this on both frames.



### **Mounting/dismounting levers**

The cabinet attaches to the wall frame.

Insert the levers on both sides into the inside of each cabinet.

If at any time it is necessary to lift the cabinet from the wall, remember to unhook it.

Also be sure to remove the levers from both sides.



#### Master/extension, left-right direction

Note: Always mount the Master m12 kiosk on the left and the Extension e16 module on the right.

Curved side panels on the outer sides, straight side panels in the center.

How to change the side panels is explained in a later step.





## Connections

### External: Connecting m12 to AC power and wired Ethernet

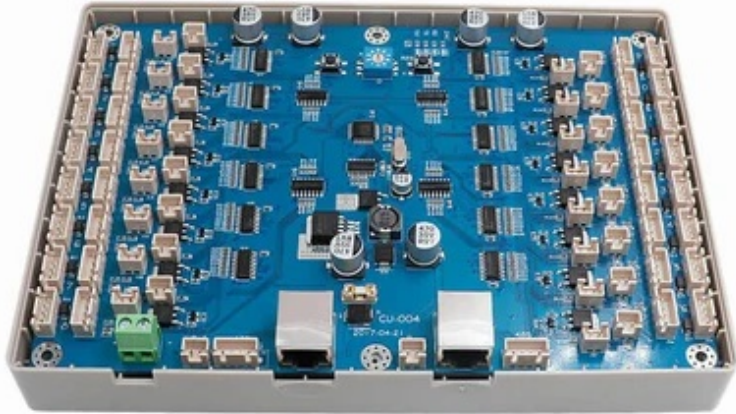
By utilizing an appropriate power plug, AC power is ready to be installed.

For Ethernet connection, if the available Ethernet cable on site is with a male connector, a female to female RJ45 Ethernet connector is needed. \*\*Not in the box. Image for illustrative purposes only.

### Internal: Connecting m12 and e16 control cards

The purpose of the internal wiring is to establish communications between the two (or more) kiosks.

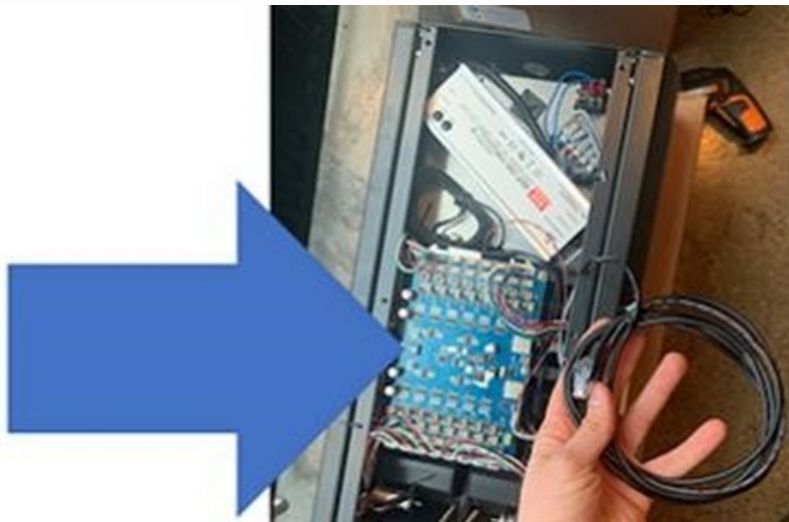
It is also necessary to modify the settings of the control cards.

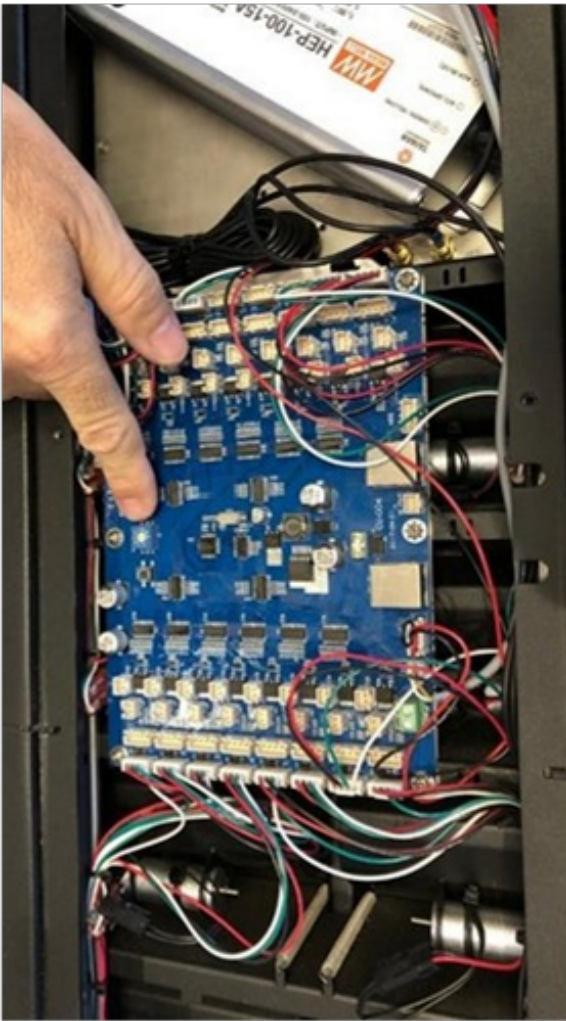


### Rotary switch settings

Control board rotary switch settings:

- Remove the back plates from the m12 and e16 kiosks.
- Identify the rotary switch on the left side of the blue control board on each cabinet.

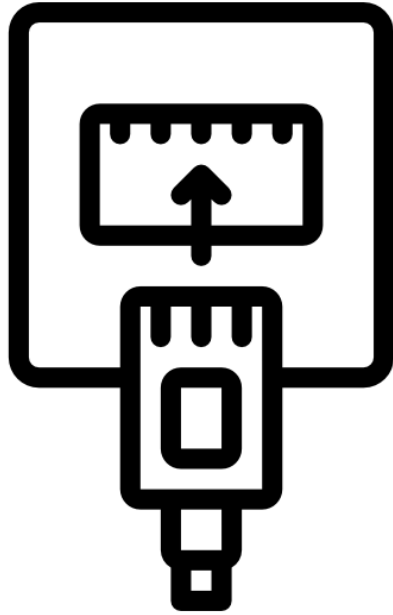




### Control boards and cable

- On m12, set the rotary switch to 0 (zero).
- On e16, set the rotary switch to 1 (one).

For each additional expansion module, turn the rotary switch clockwise on that cabinet, adding value at plus one.



#### **Internal Ethernet wiring connectors:**

- Locate the two Ethernet connectors on the right side of the control board.
  - They are labeled "CU IN" and "CU OUT".
- Connect an Ethernet cable between the control boards.
  - On M12, connect the cable to CU OUT.
  - On E16, connect the cable to CU IN.
- Mount the back plates in the cabinets.



**Join the two kiosks.**

**Note:** It is necessary to replace the side panels, the right side of the main kiosk and the left side of the extension kiosk.

The purpose is to have a flush joint between the two kiosks.



Unscrew the screws from the top of the kiosks, marked with the blue circles in the illustration.

Remove the top cover.

Unscrew the two screws on the top cover, marked with blue circles in the illustration.

Lift the kiosks, with the side panels correctly positioned, onto the wall racks.



#### **Electrical connection and power ON:**

Open the front cover with the key provided. Connect the power cord and press the power switch on the front cover, marked with a blue circle (upper left corner of the image).



Close the front cover and lock with the key.

Fasten the top covers with the screws located on the top of the kiosk, marked with the blue circles in the picture.

Remember: Give the key to the customer. Always keep the key in a safe place.

A	B	C
Type of cable	Cable-spec	Connector in cabinet
Power Cable 110-230V AC	H07 RN-F, 3 x 2.5kv (OD12mm)	SDS 316 AUX
Data Cable	Cat 5 or better. Shielded	RJ45 Grounded

## External connections

Power and data cables are separated.

Suggested specifications for input cables. Consult a qualified electrician if necessary.

Cabinet communication ports:

1. Outgoing TCP/UDP port 5938 (TeamViewer)
2. Outgoing TCP/UDP ports 5959 to 5970 (RemotelIT)
3. Outgoing TCP/UDP port 443 to Sharebox server (IP 185.67.45.109)



**TeamViewer**

**TeamViewer:**

Outgoing connection: TCP/UDP port 5938

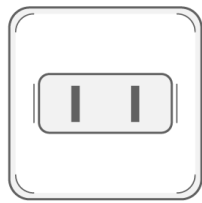
Destination IP addresses: \*.teamviewer.com



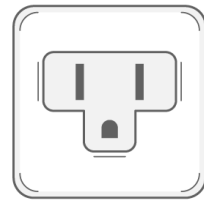
**Remote IT:**

Outgoing connection: ports 443 TCP and 80 TCP, UDP from port 5959 to 5970

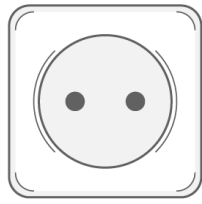
Destination IP addresses: \*.remot3.it, \*.rt3.io



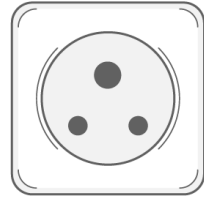
Type A



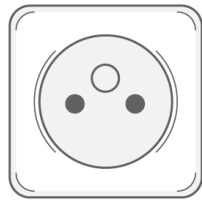
Type B



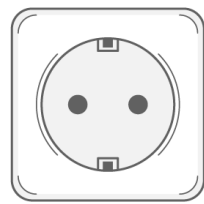
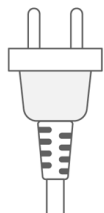
Type C



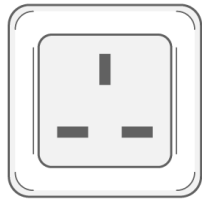
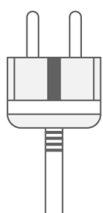
Type D



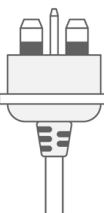
Type E



Type F



Type G



## AC Voltage and Plug Variations

- Europe and the United Kingdom use different plugs than the United States, and the color of the wiring is different.
- Another difference is the voltage: in the United States it is 110 to 120 volts, but in Europe it is 230 volts.
- Most of Europe, including the UK, follows the International Electrotechnical Commission (IEC) code.

***NOTE:*** Throughout Europe, the plug wiring colors are the same.

### Rewiring a European plug for the US market

Three wires must be connected

- Green/Yellow striped for grounding.
- Blue for neutral.
- Brown for hot.



## Ready to use

After power-up and connectivity, the Sharebox kiosk is ready for use.

If you have any questions, please do not hesitate to contact your local agent or Sharebox support.

Thank you for your attention!