

MATRIX FRAME EXTRA Installation Manual



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Safety Regulations and Important Warnings

! Please read all operating and maintenance (servicing) instructions in the literature accompanying this equipment. If these instructions are not followed exactly, possible bodily injury may occur.

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- ! The MATRIX FRAME unit is suitable for mounting on wall only.
- ! To avoid shock, do not perform any non-authorized servicing. Disconnect the product from the power line before removing covers. Any adjustment and maintenance of the opened device should be done only while the device is disconnected from its source of power and should only be performed by qualified personnel.
- ! For the unit, use only Limited Power Source (marked LPS) certified AC/DC adapter, having rated output 24VDC, min.2.5A
- ! For Touchscreen, use only Limited Power Source (marked LPS) certified AC/DC adapter, having rated output 12VDC, min. 3.33A
- ! Unit is intended for maximum operating ambient 40 degree C”

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1. General

This document contains an overview of the MATRIX FRAME EXTRA unit major hardware parts and provides a step by step installation

The MATRIX FRAME EXTRA is a wall mounted unit with configurable bins structure.
The unit is fully controlled by a dedicated PC offering highest level of security and management.



FRAME EXTRA

1.1. Product specification:

- Bins size: configurable
- Total size: (LxHxD) 1,050x1150x130mm (41.3x45.3x5.1 Inch)
- Weight: 55 kg (121lb)
- Materials: Top quality metal frame and ABS plastic bins
- Power supply: 110AC +/- 10% or 220AC +/-10%
- Max weight load: 15 kg (33lb)

1.2. Product contents:

- MATRIX FRAME EXTRA
- 10 Inch Panel PC
- RFID reader
- Biometric reader
- Security video camera (optional)
- Power supply cable
- masonry anchor (6 pcs)

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Step 1 – installing the FRAME unit

It is highly recommended to install the unit on a concrete or brick wall.

The dedicated masonry anchor supplied with the system and shown below is suitable for concrete, brick, and drywall:



Anchor specs:

Anchor diameter: 10 m"m

Anchor length: 57m"m

Bolt diameter: 5m"m

Bolt length: 60m"m

Required drill diameter: 10m"m

- 1) Mark the recommended height of 1.83m (72inch) from floor at the center of the unit

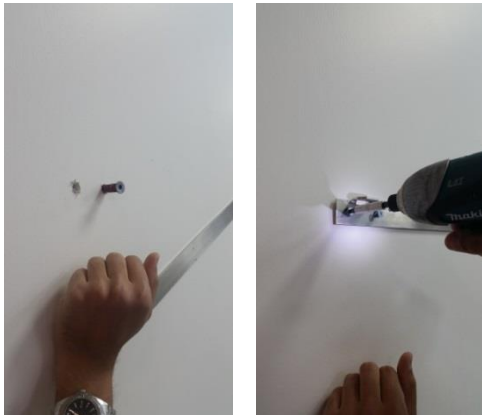


- 2) Drill the center hole and connect the mounting panel. Use a leveler and mark the 4 remaining holes

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3) Drill and connect the other 4 screws tightly



4) Take the FRAME EXTRA unit out of the package



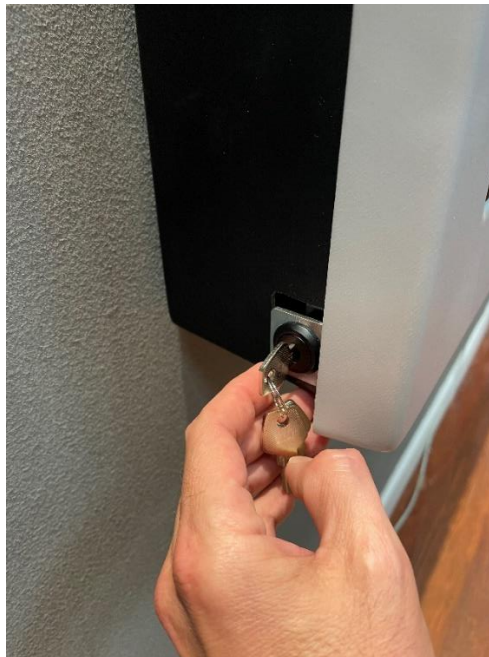
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- 5) Lift the unit from both sides and hang it with the hooks until it is hanged secured



- 6) For optional securing of the unit to the wall against possible theft (by lifting and taking the entire unit): ([press here to skip to next step](#))

- a. Insert the supplied key to the lock at the bottom left of the unit, and turn 90 degrees counterclockwise.



- b. Press the lock inside to retract the metal latches that hold the plastic cover on the bottom side, and while keeping it pressed pull the plastic cover away from the bottom of the unit.

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Continue and pull upwards from the sides and finally remove from the top to completely take the cover off.



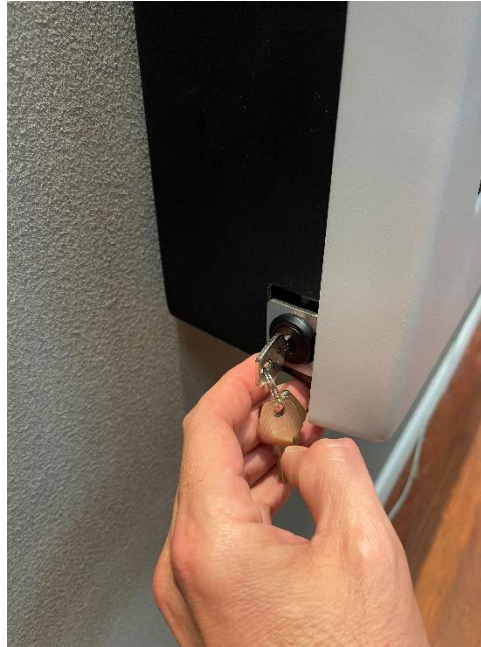
- c. Drill and connect another screw on the bottom right side. **Make sure not to damage the wires and electronics!**

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- d. Close the frame cover by placing the top side first. Press on the lock (make sure that the key is still turned) and push bottom until it's fastened. Release the lock and verify that the two metal latches on the bottom slide into the corresponding openings on the cover bottom. Take out the key by turning it 90 degrees clockwise to locked position

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- 7) Connect the supplied power cable to the socket and plug it to the power inlet at the right side of the unit



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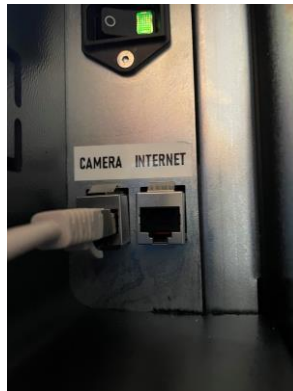
- 8) The machine will now turn on automatically

Step 2 - Camera installation (optional)

- 1) Connect the camera power cable at the back side and plug it into the power outlet



- 2) Mount the camera to the wall or ceiling and point it to the unit direction
- 3) Connect the supplied network cable to the camera, and to the network port marked "Camera" located on the right side of the unit



Step 3 – Internet/network connection – **mandatory for multiple systems with network setup, optional and recommended for standalone** – enables software updates and remote support

Connect the supplied network cable to the network port marked "Internet" located on the right side of the unit

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Manual Override – open bins in case of power failure

1. Insert the supplied key to the lock at the bottom left of the unit, and turn 90 degrees counterclockwise.



2. Press the lock inside to retract the metal latches that hold the plastic cover on the bottom side, and while keeping it pressed pull the plastic cover away from the bottom of the unit. Continue and pull upwards from the sides and finally remove from the top to completely take the cover off.

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3. On each one of the two bin units, press the metal bar to the left of the bins upwards. Gently press the metal lever, which is located below each column of bins, while still holding the metal bar up, to manually open this column of bins.

