Technical support

MB series

Multi-user outdoor panels

1080P
(2 MP)

EM-Marin

MB-12/16CRHD

MB-32CRHD

MB-06CRHD

MB-08CRHD

MB-24CRHD

Thank you for
choosing our equipment

User manual

SLINEX

SLINEX

Attention!

As a result of continuous upgrades and functionality improvements, technical characteristics of the device can be changed without any preliminary declaration. This manual can contain some inaccuracy or misprint. The owner reserves the right to make corrections to the information described in the user manual and device package. The last revision of this manual is available on www.slinex.com

Safety instructions

Please read and keep that manual.

The device installation process should be carried out by the qualified specialists.

Use the device from the –40 ˚C to +50 ˚C (–40 ˚F to 122 ˚F), always keep it within that temperature range.

Installation surface should be free from vibration and impact influence.

Keep this device far from open sources of heat, such as radiators, heaters, and ovens.

The device can be installed near other electronic equipment in case if the temperature of the environment does not exceed previously mentioned range.

The device should be protected from the direct influence of the natural phenomena, such as direct sunlight, rain or snow.

Don't use aggressive or abradant detergent for the device surface cleaning.

Use soft wet cloth or tissues to remove strong dirt.

Nature protection

Don't throw away the device with other industrial or nutritive trash if you see that symbol. Some regions have separation and recycling systems for the electronic equipment. Connect with local authorities to receive information about recycling of electronic equipment for your region.

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MB series outdoor panel – 1 pc.
Power supply – 1 pc.
Flush mount installation box – 1 pc.

Connection wires kit – 1 pkg.
Mounting screws and anchors – 1 pkg.
User manual – 1 pc.

2. Specification

CAMERA	POWER
1/3" CMOS with mechanical IR cut filter	+12 V, 1000 mA power adapter in the kit

RESOLUTION	WIRELESS CARDS
1920×1080 px.	EM-Marin, 1000 pcs. max.

VIDEO OUTPUT	MOUNTING TYPE
PAL / AHD-H 1080p (2 MP)	Flush mount

VIEW ANGLE	UNIT / INSTALLATION BOX DIMENSIONS
140˚	MB-06/08/24CRHD
	253×130×45 mm / 243×117×51 mm

LOCK RELAY CONTINUOUS CURRENT	MB-12/16/32CRHD
2 A	376×130×45 mm / 366×117×51 mm

BACKLIGHT TYPE	WORKING TEMPERATURE
Infra-red, 1.5 m. distance	–40 ... +50 ˚C (–40... +122 ˚F)

3. Description
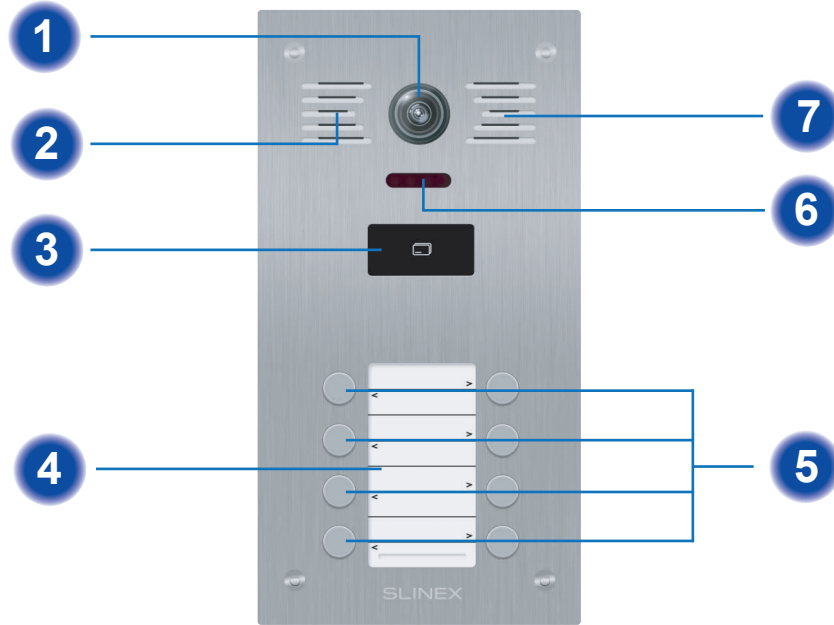
1	Video camera
2	Microphone
3	Wireless ID card reader
4	Name plates
5	Call buttons
6	Infrared night backlight
7	Speaker

4. Units and connectors

Main unit

Output

Power & lock

Speaker volume   Set 1   Set 2

Connectors pinout

+12V
Ground
NO
COM
NC
VH
Open button

Power & lock connector

Power
Audio
Ground
Video

Monitor connectors

Note:

Depending on the call buttons quantity of the MB series outdoor panel it can include one, two, three or four slave units. Each slave unit has its unique address as follows:

ON 1 2	ON 1 2	ON 1 2	ON 1 2
Slave unit 1 Addresss: 00	Slave unit 2 Addresss: 01	Slave unit 3 Addresss: 10	Slave unit 4 Addresss: 11

Slave unit 1 (MB-06/08CRHD)

Monitor 1 Monitor 3 Monitor 5 Monitor 7 Output Input

Monitor 2 Monitor 4 Monitor 6 Monitor 8 Slave address: 00

Slave unit 2 (MB-12/16CRHD)

Monitor 9 Monitor 11 Monitor 13 Monitor 15 Output Input

Monitor 10 Monitor 12 Monitor 14 Monitor 16 Slave address: 01

Slave unit 3 (MB-24CRHD)

Monitor 17 Monitor 19 Monitor 21 Monitor 23 Output Input

Monitor 18 Monitor 20 Monitor 22 Monitor 24 Slave address: 10

Slave unit 4 (MB-32CRHD)

Monitor 25 Monitor 27 Monitor 29 Monitor 31 Output Input

Monitor 26 Monitor 28 Monitor 30 Monitor 32 Slave address: 11

5. Schematic diagrams

Diagram 1. MB-08CRHD and eight monitors connection.

Monitor 7 button
Monitor 5 button
Monitor 3 button
Monitor 1 button

Monitor 7 button
Monitor 5 button
Monitor 3 button
Monitor 1 button

MB-08CRHD

Monitor 1

Monitor 2
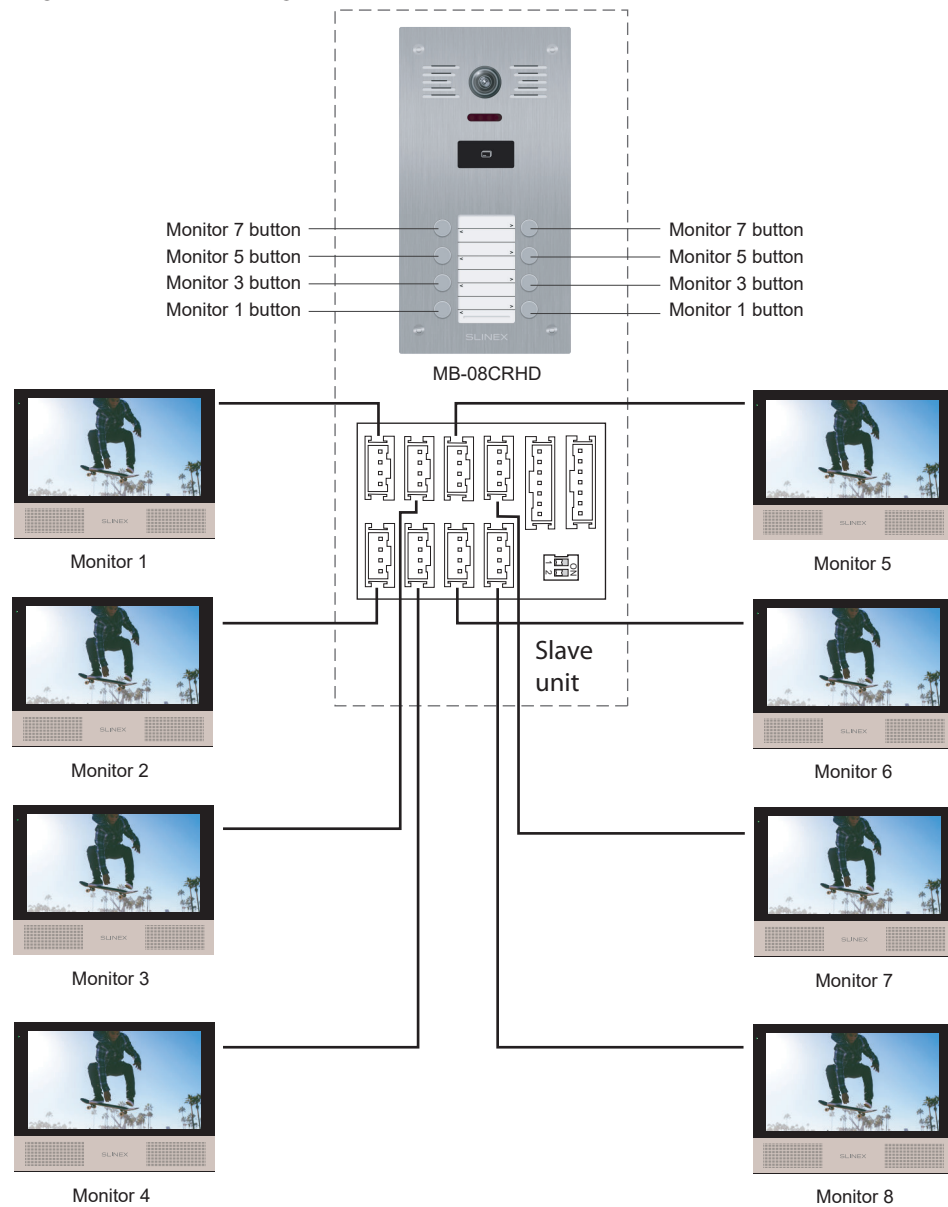
Monitor 3

Monitor 4

Slave unit

Monitor 5

Monitor 6

Monitor 7

Monitor 8

Diagram 2. Power supply and mechanical lock connection

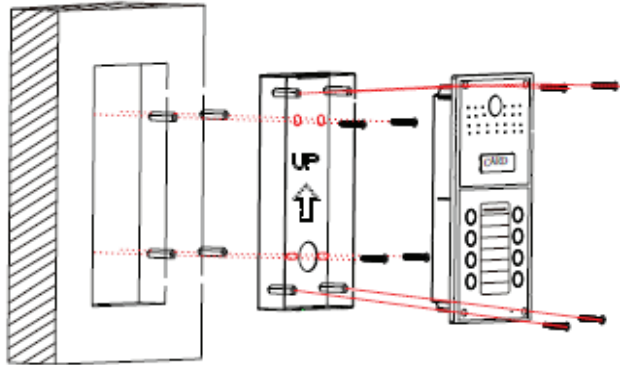Power supply

+
−

+12V
Ground
NO
COM
NC
VH
Open button

Mechanical lock

COM
NO

Open lock button

Speaker volume   Set 1   Set 2

Main unit
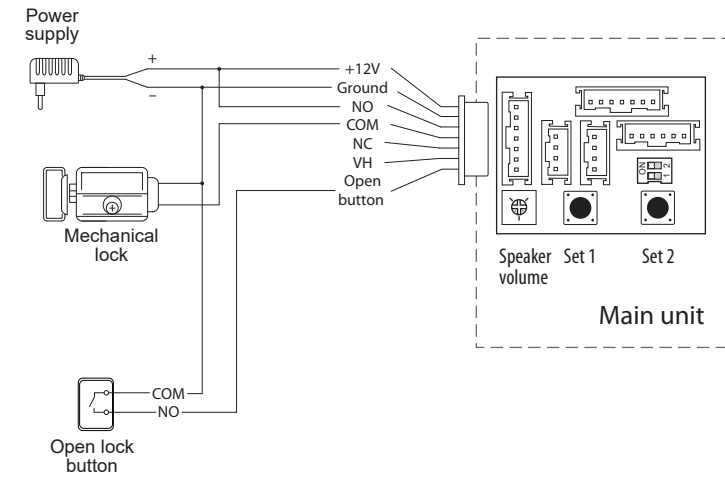
Diagram 3. Power supply and electromagnetic lock connection

Power supply

+
−

+12V
Ground
NO
COM
NC
VH
Open button

Magnetic lock

COM
NO

Open lock button

Speaker volume   Set 1   Set 2

Main unit
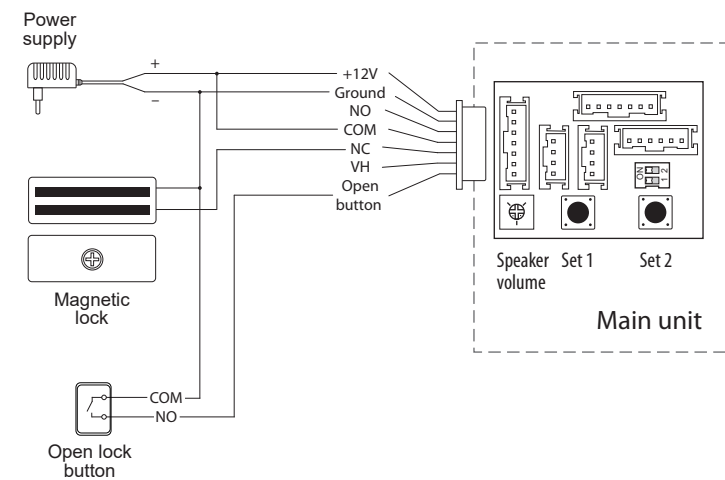
6. Installation

Outdoor panel flush mount process:

1) Prepare the hollow inside the wall according to the sizes mentioned on the 3rd page of the manual, 150-160 cm up from the floor line.

2) Mount flush mounting box into the hollow and fix it.

3) Connect all communication wires and insert the door panel inside the flush mounting box. Then fix it with four screws from the front side.

7. Wireless ID card reader settings

Memory reset

1. Power off the outdoor station and turn the 1st and the 2nd switch on the main unit to "ON" position;

2. Press and hold "Set1" and "Set2" button on the main unit and power on the outdoor station;

3. After 3 seconds you will hear sound signal 7 times in a raw. It means that memory reset is successfull. Release "Set1" and "Set2" button on the main unit.

Master ID card setup

1. Power on the outdoor station and turn the 1st switch to "ON" position and 2nd switch to "OFF" position;

2. Press and hold "Set1" and "Set2" button on the main unit during 3 seconds to enter master card management mode;

3. Swipe two ID cards near card reader. The first ID card is the master card for adding user ID cards. The second ID card is the master card for deleting user ID cards. Note that master cards can't be deleted by the "memory reset" procedure. They can only be replaced by adding new ID card following "master ID card setup" procedure.

User ID cards adding

1. Swipe master card for adding user ID cards three times in 10 seconds. First an second time you will hear double "beep" sound from the outdoor panel, third time you will hear triple "beep" sound.

2. Swipe user ID cards to add them into the outdoor panel memory. You will hear double "beep" sound after successfull adding of each ID card. If the ID card is already added to the outdoor panel memory and you will try to add it again then you will hear four "beep" sound four times.

3. Swipe master card for adding user ID cards one time or wait 60 seconds with no actions to exit into standby mode indicated with one time "beep" sound.

User ID cards deleting

1. Swipe master card for deleting user ID cards three times in 10 seconds. First an second time you will hear double "beep" sound from the outdoor panel, third time you will hear triple "beep" sound.

2. Swipe user ID cards to delete them from the outdoor panel memory. You will hear double "beep" sound after successfull deleting of each ID card. If the ID card is absent in the outdoor panel memory and you will try to delete it then you will hear four times "beep" sound.

3. Swipe master card for deleting user ID cards one time or wait 60 seconds with no actions to exit into standby mode indicated with one time "beep" sound;

11. Limited warranty

Manufacturer guarantees product normal functioning during the warranty period if the user keeps all safety instructions described in that manual.

Warranty period is 12 months from the moment of the product purchasing (warranty period could be extended up to 24 months or more, depending on the local regulations).

Warranty period allows the user to make guarantee repair in cases when normal functioning of the product was violated by the fault of the manufacturer and the user haven't offended transporting, installation and working conditions.

This limited warranty does not cover any damage the product that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair or modification.

The warranty does not cover following cases:

- the product was damaged by the fault of the customer;
- the product wasn't properly installed according to recommendations from the manual;
- the sticker on the backside of the product was broken;
- the product was not used for its intended function.

This limited warranty covers only repair, replacement, refund or credit for defective products, as provided above. The manufacturer is not liable for and does not cover under warranty, any damages or losses of any kind whatsoever resulting from loss of, damage to, or corruption of, content or data or any costs associated with determining the source of system problems or removing, servicing or installing products. This warranty excludes third-party software, connected equipment or stored data. The manufacturer is therefore not liable for any losses or damage attributable to the third party software, connected equipment or stored data.

In case a product has been discontinued, the manufacturer shall either repair the product, offer to replace it with a comparable product or provide a refund at the lesser of the purchase price or the product's current value.

Repaired or replacement products will continue to be covered by this limited warranty for the remainder of the original warranty term.