



Manual

IP VIDEO DOOR INTERCOM

DV50_P1M1

1 DOORPUSH - 1 X 18cm MONITOR

DV50_P1M2

1 DOORPUSH - 2 X 18cm MONITOR

Home is not a place, it's a feeling

Content




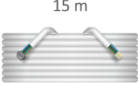
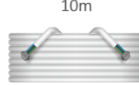




| | | |
|-----|---|--------|
| 1. | Introduction..... | - 2 - |
| 2. | Package contents..... | - 2 - |
| 3. | Mounting and connecting the outdoor unit..... | - 2 - |
| 4. | Mounting and connecting the monitor..... | - 4 - |
| 4.1 | Control Regulators..... | - 4 - |
| 4.2 | Monitor functions..... | - 5 - |
| 4.3 | Connection of electric door opener and gate opener..... | - 5 - |
| 4.4 | Second monitor connection (DV50-P1M2)..... | - 6 - |
| 4.4 | Extend cable at your own risk..... | - 6 - |
| 5. | ELRO Intercom app..... | - 7 - |
| 6. | Pairing the app..... | - 7 - |
| 6.1 | Choose "Smart Config"..... | - 7 - |
| 6.2 | Or choose "QR Code way"..... | - 9 - |
| 7. | Explanation app icons..... | - 9 - |
| 8. | Sharing the app with equal rights..... | - 10 - |
| 8.2 | Restricted rights..... | - 10 - |
| 9. | Removing device..... | - 11 - |
| 10. | Reset..... | - 12 - |
| 11. | Specificaties..... | - 12 - |
| 12. | Safety instructions..... | - 13 - |
| 13. | Declaration of Conformity DoC..... | - 13 - |
| 14. | Symbols..... | - 13 - |

1. Introduction

Please read this instruction manual before starting to mount and connect the **IP VIDEO DOOR INTERCOM**. The set has a compact outdoor unit with a protective sun/rain cover for mounting on the doorjamb/frame. For indoor use, a beautifully designed monitor is included.

- The camera has a viewing angle of 46° and features 6 LEDs for optimal night viewing up to at least two meters away from the camera.
- The monitor has an 18 cm LCD screen.
- There are 16 ring tones available for you to choose from.
- You can set the volume, brightness and color intensity to your preference.
- To connect an electric door opener, use a 2-core cable with a thickness of 0.3 mm² per core. Refer to the wiring diagram in this manual.
- 2 short cables with a plug are supplied for the connection of an electric door opener and an electric gate opener via the monitor.
- With the free ELRO Intercom application on your smartphone you can talk to a visitor, take a photo/video and you can even remotely control the electric door opener.

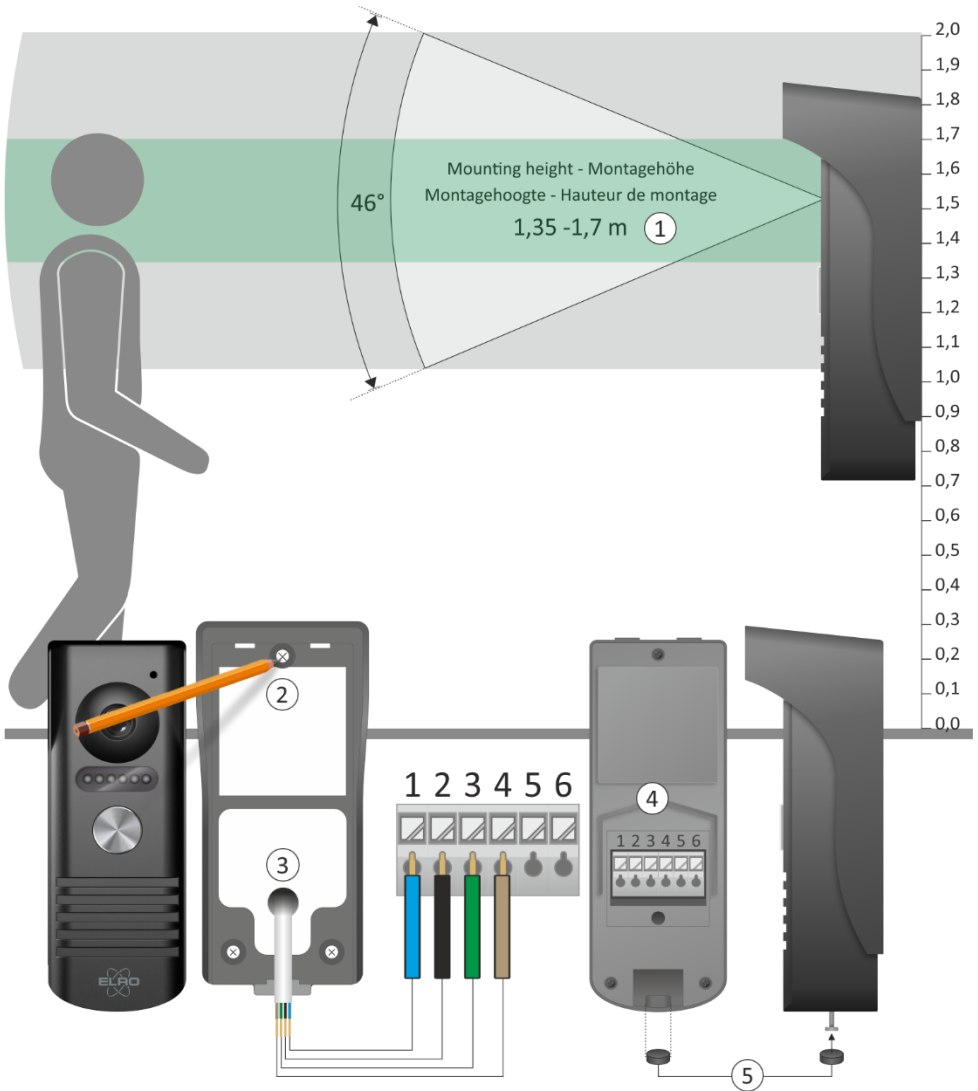
2. Package contents

| | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|--|
| DV50-P1M1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 1 | 1 |
| DV50-P1M2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
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3. Mounting and connecting the outdoor unit

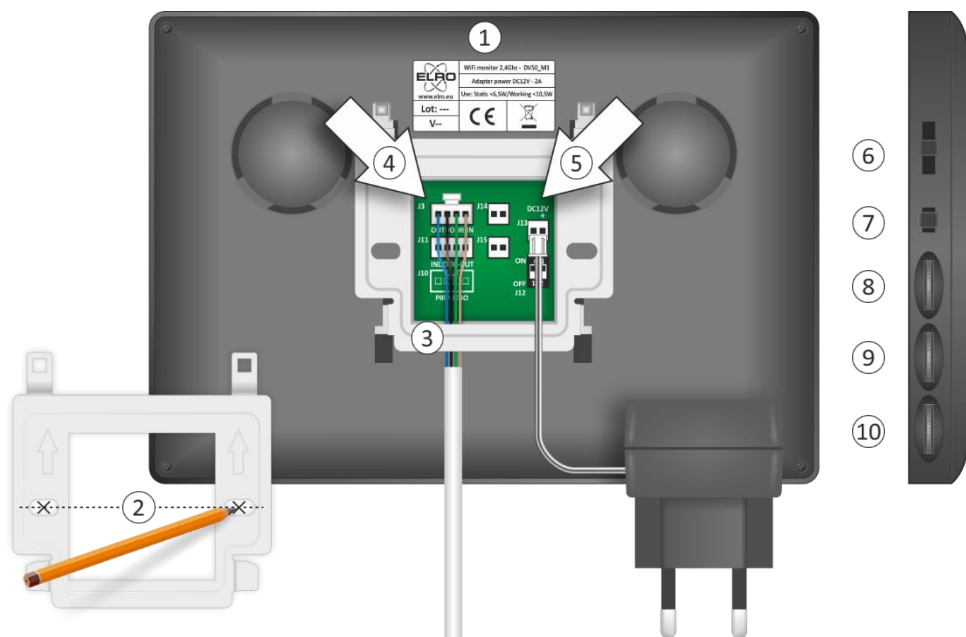
- We recommend a mounting height (1) between 1.35 and 1.70 meters, try to avoid direct exposure to sunlight.
- Remove the outdoor unit from the sun canopy and use the sun canopy to mark drill holes for mounting on the wall (2).
- The sun canopy should be mounted with its entire back side flat on the doorframe or wall.
- Drill a 6 mm hole (3) to connect the connecting cable through the doorframe or through the wall to the outdoor unit.
- Connect the connecting cable to the outdoor unit (4).
- 1 = Blue / 2 = Black / 3 = Green / 4 = Brown
- Remove a rubber gasket (5) from the bottom of the outdoor unit.
- Place the outdoor unit in the sun-rain hood and screw it with the smallest screw from the bag of mounting material.

- Finally, the rubber sealing cap can be placed back.
- The slanted corner mounting cannot be used in combination with the sun/rain hood and should not be exposed to rain. The angled corner assembly is only suitable for indoors or under a canopy.



4. Mounting and connecting the monitor

- The WiFi monitor (1) must be mounted within the range of your WiFi. The connecting cable from the outdoor unit to the WiFi monitor is 15 meters, please take this into account when positioning the monitor.
- Mount the mounting bracket (2) at eye level and note that on the back of the monitor the connections of the outdoor unit, the 12V DC adapter and possibly the electric door lock must be made.
- The mounting bracket provides just the right amount of space to make the connection of the 4-core connecting cable between the monitor and the bracket (3). Plug the connector (4) into the socket "OUTDOOR IN".
- Plug the connector (5) of the adapter into the socket "DC12V".
- You can now place the monitor on the mounting bracket and carefully slide it downwards, paying attention to the cables.



4.1 Control Regulators

On the side of the monitor you will find the following controls:

- Ringer volume (6), adjustable in 3 steps.
- Ring tone selection (7), choice of 16 ring tones.
- Brightness (8), with this you control the image from bright to dark.
- Chroma (9), with this you control the intensity of color to black and white.
- Speech volume (10).

4.2 Monitor functions



This button allows you to "look outside" at any time. The monitor switches off automatically after 40 seconds. If you want to stop prematurely, press the button with the receiver twice..



This allows you to switch an electric door opener. This is a potential free switching contact, the system provides no voltage for the electric door opener.



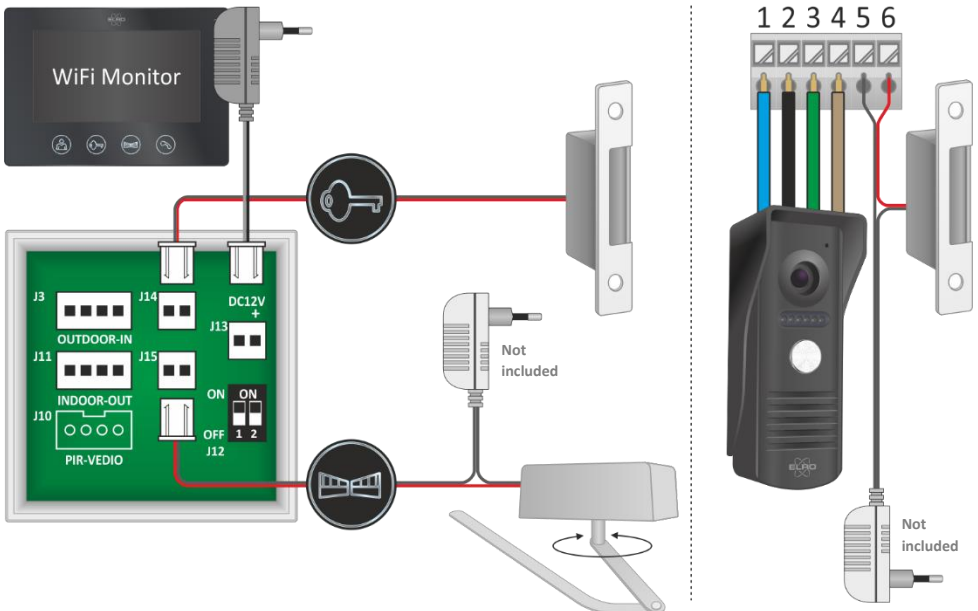
Allows you to switch an electric gate/fence opener. This is a potential free switching contact, the system provides no voltage for the electric gate/fence opener.



When a visitor reports, the monitor automatically turns on. Press this key to start a call. Press this key again to end the call, the monitor turns off automatically.

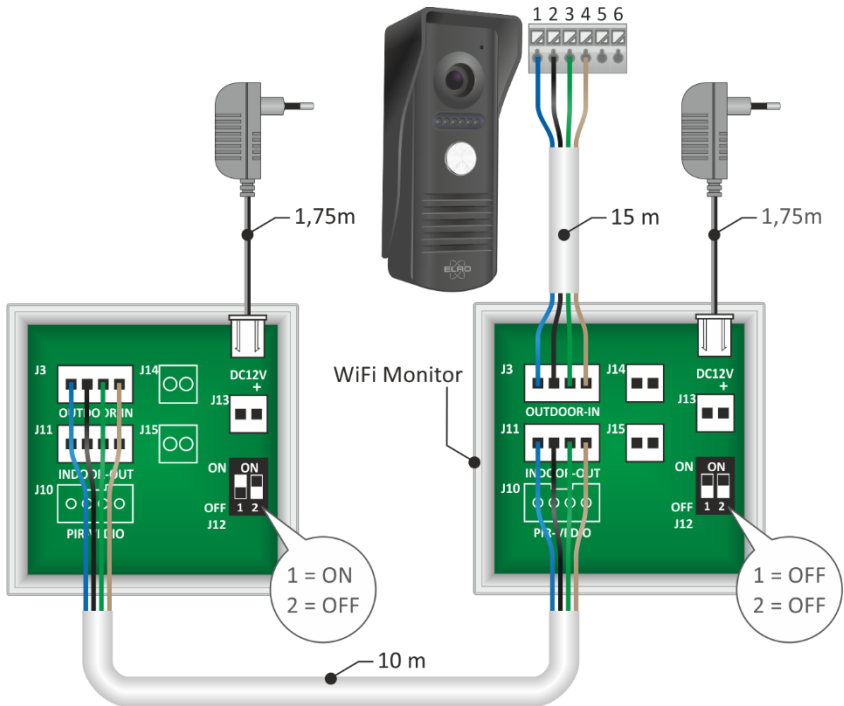
4.3 Connection of electric door opener and gate opener

The package contains 2 short red/black connection cables. These are for connecting an electric door opener and an electric gate opener via the monitor. J14 is for the electric door opener, the system supplies 12V DC. J15 is for the gate opener, you have to add power yourself. An electric door opener can also be connected via the outdoor unit terminals 5 & 6. Here too, you have to add power yourself.



4.4 Second monitor connection (DV50-P1M2)

The second monitor must be connected to the WiFi monitor with the cable (equipped with a plug on both sides) to "J11 INDOOR OUT". The cable should be connected to the second monitor at "J3 OUTDOOR IN". On the last monitor in a series, in this case the second, the small white switch 1 should be in the ON position.



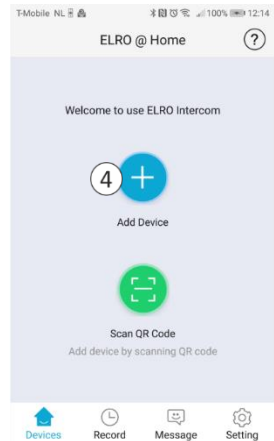
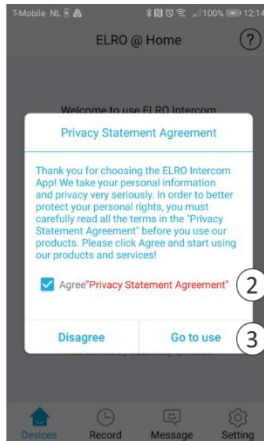
4.4 Extend cable at your own risk

If the connecting cable is too short and you want to extend it, this is at your own risk. Always use a similar cable, 4 core 0.3 mm². Please note that the cable cannot be extended by more than 10 meters. Cut the plug with a piece of cable, strip the wires and solder them to the extension (max. 10 m). Then solder the extension to the existing cable. Insulate the solderings with insulating tape, do not use clamps or other types of terminal blocks.

(*) If you choose to use a completely new or existing cable, make sure that it is no longer than 20 meters and that the individual wires have a thickness of at least 0,3 mm² and no more than 0,5 mm².

5. ELRO Intercom app

- Convince yourself that the smartphone on which you install the app uses the same WiFi signal as the one on which you want to install the intercom.
- The intercom system only works on 2.4 Ghz.
- Download the ELRO Intercom app, go to:
[Google Play Store for Android](#) or [Apple App Store for iOS](#)
- You will be asked for permission to access your smartphone (1).
- You will then be presented with a "Privacy Statement Agreement", click on it (2) to view the "Privacy Policy". Press "Go to use" (3) to continue.

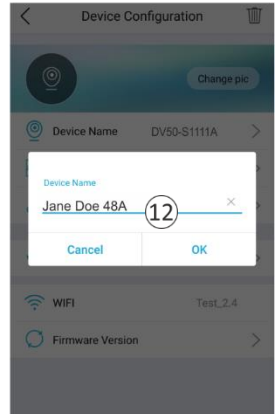
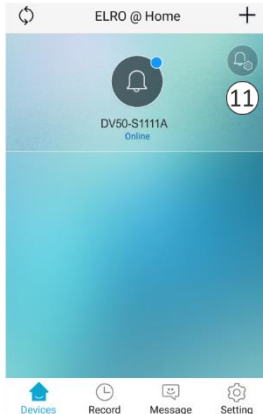
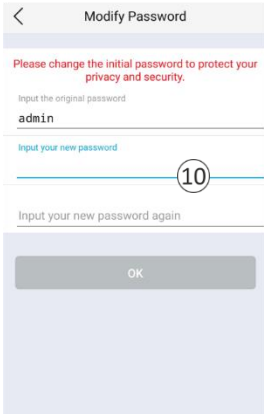
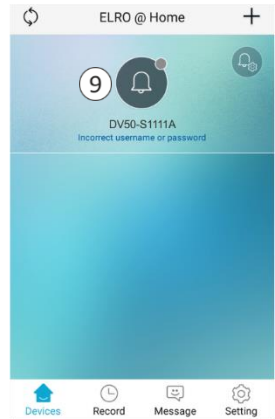
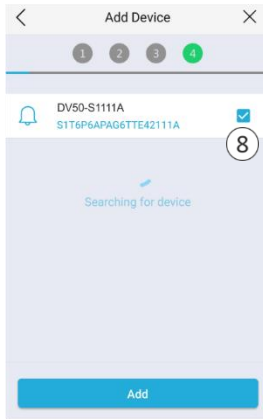
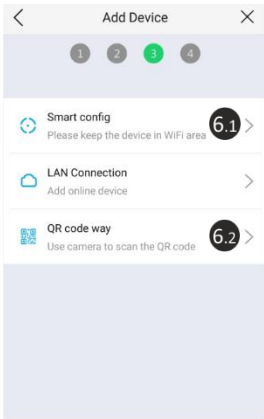
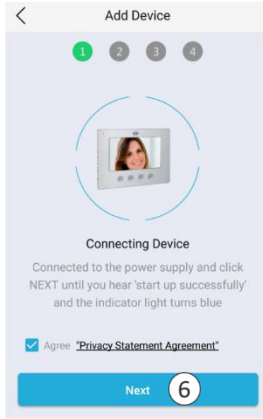


6. Pairing the app

- Open the app and press the plus (4) to add a new device.
- Select your device (5) from this screen.
- Plug the adapter of the monitor into an electrical outlet to connect the device and wait for the monitor to say "Please setup network by your mobile application". Check "Agree" and press next (6).
- Now the name of the WiFi signal will be displayed, you need to enter the WiFi password (7) yourself. Click on the eye to check, pay attention to upper and lower case letters. Press next.

6.1 Choose "Smart Config".















- A device is now being searched for. When the device is found, tick it (8) and press add.
- The device has been added and is coming "Online". Press (9), change and repeat to confirm the password to a personal password. Caution, case sensitive, min. 8 / max. 16 letters and numbers, attention **NO** special characters (10)
- In the configuration (11) you can change the name to your personal preference (12).



6.2 Or choose "QR Code way".

- Now scan with the camera of the outdoor unit the QR Code that is visible on your smartphone.
- When the device is found, tick it (8) and press add.
- The device has been added and is coming "Online". Press (9), change and repeat to confirm the password to a personal password. Caution, case sensitive, min. 8 / max. 16 letters and numbers, attention **NO** special characters (10)
- In the configuration (11) you can change the name to your personal preference (12).

7. Explanation app icons

-  Press to view outside via the app at any time.
-  Configuration and advanced settings.
-  Device list, here you will find all devices in your app.
-  Storage of photos and videos with time and date.
-  List of unanswered calls.
-  Ringing tone, alarm tone, vibration and no interference settings.
-  End or reject a call.
-  Unlock an electric door opener.
-  Turn on/off the microphone to communicate with the visitor.
-  Turn on/off the loudspeaker that emits ambient noise.
-  Start a video recording.
-  Stop a video recording.
-  Taking a picture.
-  Full screen and back again.

8. Sharing the app with equal rights

The app can be shared for example with family or visitors/guests. The guest user must be in the WiFi environment of the main user and download the app to his smartphone, see the print screens on page 8.

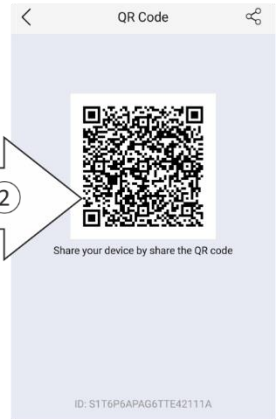
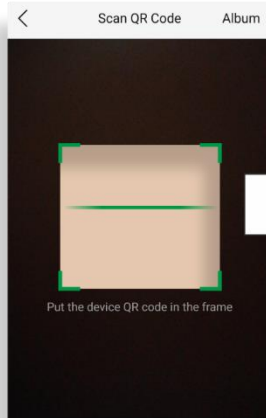
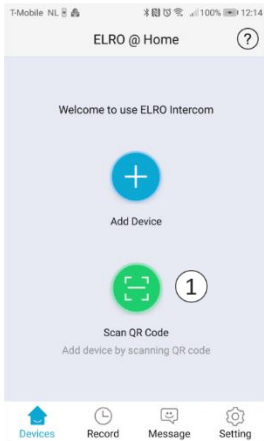
- Open the app and press the plus (4) to add a new device.
- On this screen, select your device (5).
- Check "Agree" and press next (6).
- Now the name of the WiFi signal will be shown, you need to enter the WiFi password (7) of the main user (Jane Doe) yourself.
- Choose LAN Config, it will search for Jane Doe 48A. When the device is found tick it (8) and press add.
- If Jane Doe 48A is added press (9).
- You will now be asked for the password that is set at (10) change password.

8.2 Restricted rights

The main user (Jane Doe) shows the guest user a QR code that is scanned by the guest user. Proceed as follows:



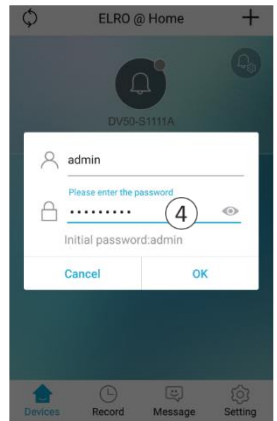
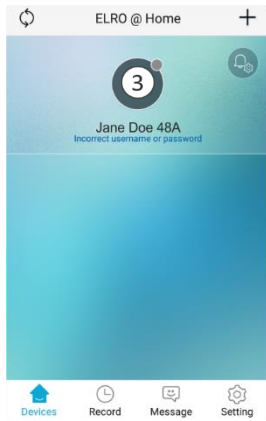
- The guest user then opens the app and chooses "QR Code scan" (1).
- The host user's smartphone opens a scanner (2) , scan the QR code on the main user's smartphone.



- Press the added device (3), you will now be asked for the password (4) of the main user.

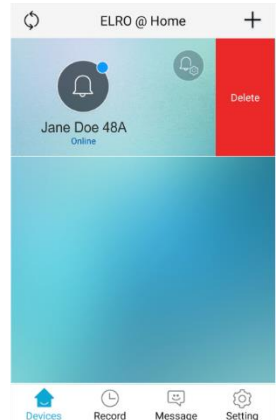
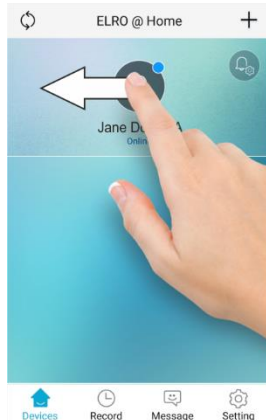
Note

With limited rights there is no access via configuration to advanced settings.



9. Removing device

- Removing a device from the app is very easy. Open the app and slide to the left, press delete and the device will be removed from the app.



10. Reset



If the pairing of the ELRO Intercom app fails and you are convinced that you are using the correct WiFi signal (2.4Ghz) with associated password, it is recommended to reset the monitor. Proceed as follows:

- Press the key with the key for at least 5 seconds, the monitor will start the reset procedure.
- When the reset procedure is in operation you will hear: "Reset parameter is succesfull, the system is about to restart".
- Then wait until the monitor reports with the text: "Please setup network by your mobile application". Mobile application refers to your Android or iOS smartphone/tablet.
- You can now try again to connect the app to the WiFi monitor.

11. Specificaties

| Monitor | |
|---------------------------------|---|
| Display | 18cm / 7 inch |
| Resolution | 1024(h) x 600(v) |
| Effective field | 154(h) x 85,9(v) mm |
| Size monitor | 215(w) x 152(h) x 18(d) mm |
| Adapter input | AC100-240V 50/60Hz |
| Adapter output | DC12V DC, 2A, 24W |
| Max. distance camera / monitor | 15m - 4 x 0,3mm ² / 20m - 4 x 0,5mm ² |
| Max. distance monitor / monitor | 10m - 4 x 0,3mm ² / 20m - 4 x 0,5mm ² |
| Power consumption | 10,5W (6,5W standby) |
| Operating temperature | -10°C ~ + 40°C |
| Humidity | 10% ~ 90% (RH) |

| Outdoorunit (camera-push) | |
|----------------------------------|---------------------------|
| Effective distance | 1m |
| Operating temperature | -15°C ~ + 50°C |
| Resolution | Circa 700TVL |
| Viewing angle | 46° ±1° |
| Size | 47(w) x 130(h) x 51(d) mm |
| Protection | IP44 |

12. Safety instructions

- Do not install the equipment in an environment of high temperature or high humidity.
- Do not place the equipment near televisions, as signals from televisions and the intercom may interfere with each other.
- Do not touch the equipment with wet hands.
- Do not throw, drop, or otherwise damage the equipment.
- Clean the equipment with a soft cloth. Do not use any polish, thinner, or caustic agents.
- Do not expose the camera to direct sunlight.
- Use the product in a situation where there is no interference.
- When a car or motorcycle passes by, the image may become blurred or disappear due to interference from radio waves.

Note:

- To prevent damage, install the devices according to the instructions.
- Place the AC adapter in an accessible location where it can be disconnected.
- Use the supplied cables.

13. Declaration of Conformity DoC

- I, ELRO Europe, hereby declare that the type of radio equipment DV50 complies with Directive 2014/53/EU. The full text of the EU declaration of conformity can be consulted at the following internet address: www.elro.eu/compliance".
- Frequency: 2.4GHz
- Maximum transmission power: < 20 dBm

14. Symbols



Recycling and Disposal: The WEEE symbol means that this product and batteries must be disposed of separately from household waste. When this product reaches the end of its life, take it to a designated waste collection point nearby to ensure safe disposal or recycling. Protect the environment and human health, use natural resources responsibly!



Read the manual before use and keep it in a safe place for future use and maintenance.



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