

## Safety Instruction

1. Do not install the equipment in a high temperature or high humidity environment.
2. Keep the unit away from televisions, otherwise the signals of the TV and intercom can interfere with each other.
3. Do not touch the unit with wet hands.
4. Avoid throwing, dropping or hitting the units.
5. Clean the camera or screen with a soft cloth. Do not use detergent, thinner, volatile or corrosive liquids.
6. Do not expose the camera of the outdoor unit to direct sunlight.
7. Use the product in a situation where there is no interference.
8. When a car or a motorbike passes by, the pictures may become blurred or be cut off due to the interference of radio waves.

### Caution

1. To prevent damage, the units should be fastened on the wall/floor according to the instructions.
2. You should keep the power plug in an accessible location in case the unit needs to be disconnected.

### Symbols:

Recycling and disposal: The WEEE symbol (a) means that this product must be disposed separately from other household waste. When it reaches its end of life, take it to a designated waste collection point in your area to guarantee a safe disposal or recycling. Protect the environment, human health and natural resources! Read the manual (b) before use and store it in a safe place for future use and maintenance.

ELRO Europe | [www.elro.eu](http://www.elro.eu)  
Postbus 9607 - Box E800  
1006 GC Amsterdam - The Netherlands



GUARANTEE  
Visit [www.elro.eu](http://www.elro.eu)



# Manual EN

## DV424W



# VIDEO DOOR INTERCOM

Home is not a place, it's a feeling



## Wired Video Intercom System

Congratulations on the purchase of your new ELRO Video Intercom System, featuring IR night view, a wired outdoor unit with a hidden peephole camera in full metal housing and an adjustable mounting bracket, with a 4,3" (11cm) brushed aluminum indoor monitor with 16 different melodies and adjustable volume.

We want you to be able to use this ELRO product without having to read an extensive guide, so this user manual will help you to get started, make the outdoor unit and the indoor monitor work together and indicate the most important features.

If you need more detailed information, you can visit our website [www.elro.eu](http://www.elro.eu) for a service hotline and more details.

## Product description and features

This ELRO RF Audio Intercom makes you feel safer and more comfortable when receiving visitors at your home. It has a brushed heavy metal outdoor unit with a protective adjustable bracket for surface wall mounting, allowing you to move the viewing area to the left or the right.

The 700 TVL camera with 46° view angle comes with 6 IR LEDs for night view in the dark for at least 1 meter in front of the camera.

## Specifications

### Outdoor post

Camera resolution	: 700 TVL
Camera angle	: 46°, left/ right position by bracket
Power supply	: Over the indoor monitor
Working temperature	: -15°C - +50°C
Nightview	: 6 x IR LEDs, 1 meter
Dimensions	: 130 x 51 x 47 mm

### Indoor monitor

Visible size	: 4,3" (11 cm)
Resolution	: 480 x 272
Power supply (output)	: DC 12V, 1100 mA
Power consumption	: 1,5 W (standby) – max. 5 W
Adapter Input	: Voltage AC 100 – 240V; 50 - 60 Hz
Cable length	: Max.30 m; 4 x 0,5 mm
Dimensions	: 136 x 143 x 19 mm
No. Of melodies	: 16

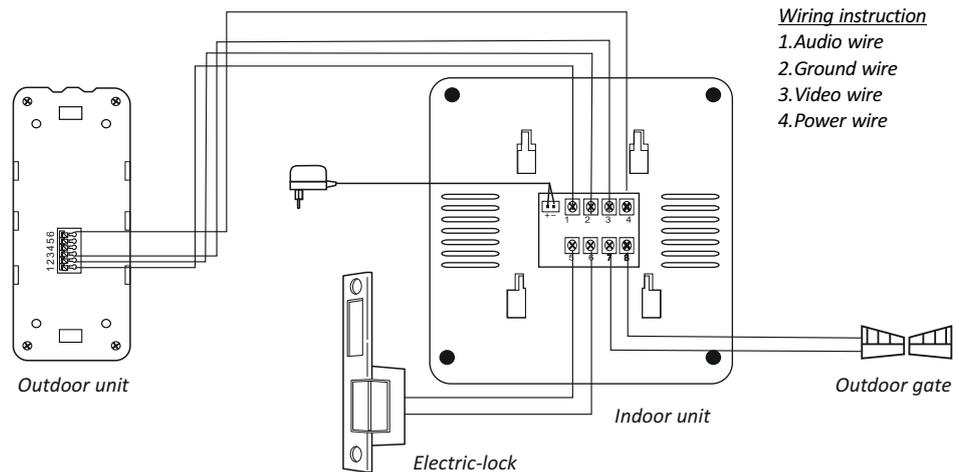
## Functions of the indoor monitor

When a visitor rings the door bell, the chosen ringtone will sound on the indoor monitor and the picture will appear automatically. You can talk to the visitor by briefly pressing the TALK button of the monitor. By pressing the DOOR UNLOCK or the GATE UNLOCK button, you can unlock your door or gate. If you want to view the camera picture even when no one has rung the bell, you can press the LIVE VIEW button to see the live picture for approx. 40 seconds. With the buttons on the side of the indoor monitor you can choose your ringtone, adjust the volume and change the brightness and color intensity of the picture.



## Adding a doorlock

You can operate a door lock and/or a gate lock with this system. A gate lock is always connected to the indoor monitor, while for the door lock you may choose between wiring it to the indoor monitor or to the outdoor unit. For connecting the doorlock to the outdoor unit, you will need an extra power supply. Connect an electrical door lock with 2 x 1,0 mm wire.



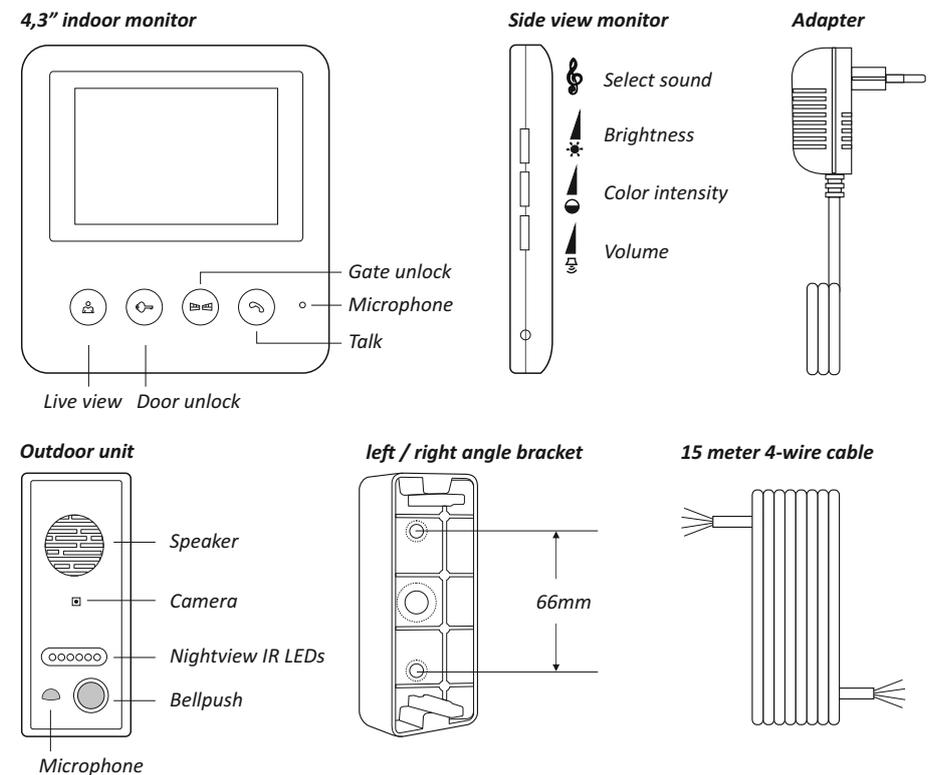
### Note:

Please verify carefully if you want others to enter your home, even if you are not at the door. This implies certain risks that you must be aware of!

The 4,3" (11 cm) indoor monitor has a brushed aluminium front and 16 melodies/sounds to choose from. You can individually set the volume and you can also adjust the brightness and color intensity.

Once somebody rings the doorphone, the monitor will play a melody or sound and show the camera picture. You can then observe, answer and/or open the door and the gate. The door opener can be connected to both the indoor monitor or the outdoor unit.

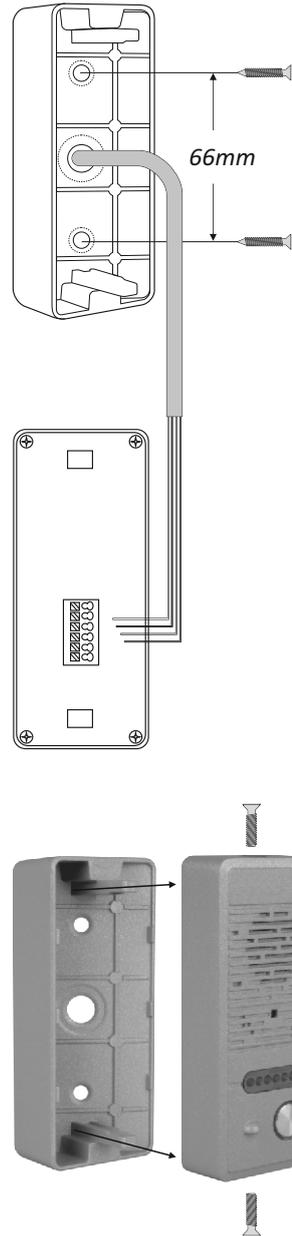
Besides the mounting materials (monitor mounting bracket, dowels and screws) and user manual, the set contains the following parts:



## Install you video doorphone:

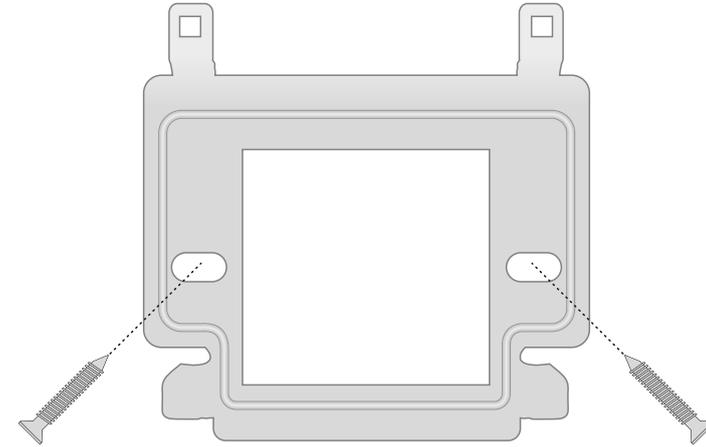
### A: Mounting the outdoor post

1. Take the adjustable mounting bracket and use it to mark the drilling holes on your wall and fix the rainshade. Make sure that you can reach this place from the back with the 4-wire connection cable to link it to the monitor and optionally with the door lock cable. We recommend a mounting height of between 1,35 and 1,70 Meters. Try to avoid direct sunlight and rain as much as possible.
2. Put the 4-wire cable through the hole in the bracket and connect the cable according the wiring diagram in the section Adding a door lock. If you want to use existing wiring, make sure you have at least 4 x 0,5 mm and ensure the cable is no more than 30 meters long.
3. Optionally, you can link an electric door lock to ports no. 5 and 6. For connecting a door lock, always use 2 x 1,0 mm cable. Please remember that you will need an extra power supply for adding a door lock to the outdoor unit. Refer to the wiring diagrams in the section "Adding a door lock" for more wiring options to either the outdoor unit or the indoor monitor
4. Fix the bracket firmly to the wall and take out the silicon caps from the outdoor unit; fix the metal outdoor unit with 2 screws and put the silicon caps back in.



### B: mounting the indoor monitor

5. Use the mounting bracket to mark the drilling holes on your indoor wall and fix it to the wall, so that the 4-wire cable and the power cable (plus optionally an extra wire for door/gate lock) can go through from the back.



6. Connect the 4 wire cable into the screw slots number 1-4:
  - 1 Audio wire (brown)
  - 2 Ground Wire (green)
  - 3 Video wire (black)
  - 4 Power wire (blue)Make sure the wires are in the same order as in the outdoor unit. (check the wiring diagram in the Adding a door lock section for details)
7. Lastly put the power cable in and hang the monitor on the mounting bracket and you will be able to use your new Video Door Intercom. In case you want to use existing wiring, make sure you have at least 4 x 0,5 mm<sup>2</sup> and keep the maximum length of the cable below 30 meters.