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# ELRO DV477W Video Intercom System User Manual

Model: DV477W

## 1. INTRODUCTION

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The ELRO DV477W Video Intercom System provides a secure and convenient way to identify and communicate with visitors at your door before granting access. This system features a robust outdoor unit with a camera and a 7-inch color indoor monitor, enabling two-way communication and visual verification. The outdoor unit includes night vision capabilities for clear images in low-light conditions and a rain cover for enhanced durability. This manual provides detailed instructions for installation, operation, and maintenance of your ELRO DV477W system.



Image 1.1: The ELRO DV477W Video Intercom System, showing the outdoor camera unit and the indoor 7-inch monitor.

## 2. PRODUCT OVERVIEW AND FEATURES

The ELRO DV477W system is designed for ease of use and reliable performance. Key features include:

- **Two-Way Communication:** Speak directly with visitors via the indoor monitor.
- **7-Inch Color Monitor:** A large display for clear viewing of visitors.
- **Night Vision Technology:** Integrated white LED lights on the camera provide clear images even in complete darkness.
- **Adjustable Camera Position:** The outdoor camera lens can be manually adjusted for optimal viewing angle.
- **Weatherproof Outdoor Unit:** Equipped with a rain cover to protect against elements.
- **16 Selectable Ringtones:** Personalize your doorbell sound.
- **4-Wire Connection:** Reliable wired connection between outdoor and indoor units.

### 2.1 Outdoor Unit Components

## Mounting height

1,35 - 1,7m

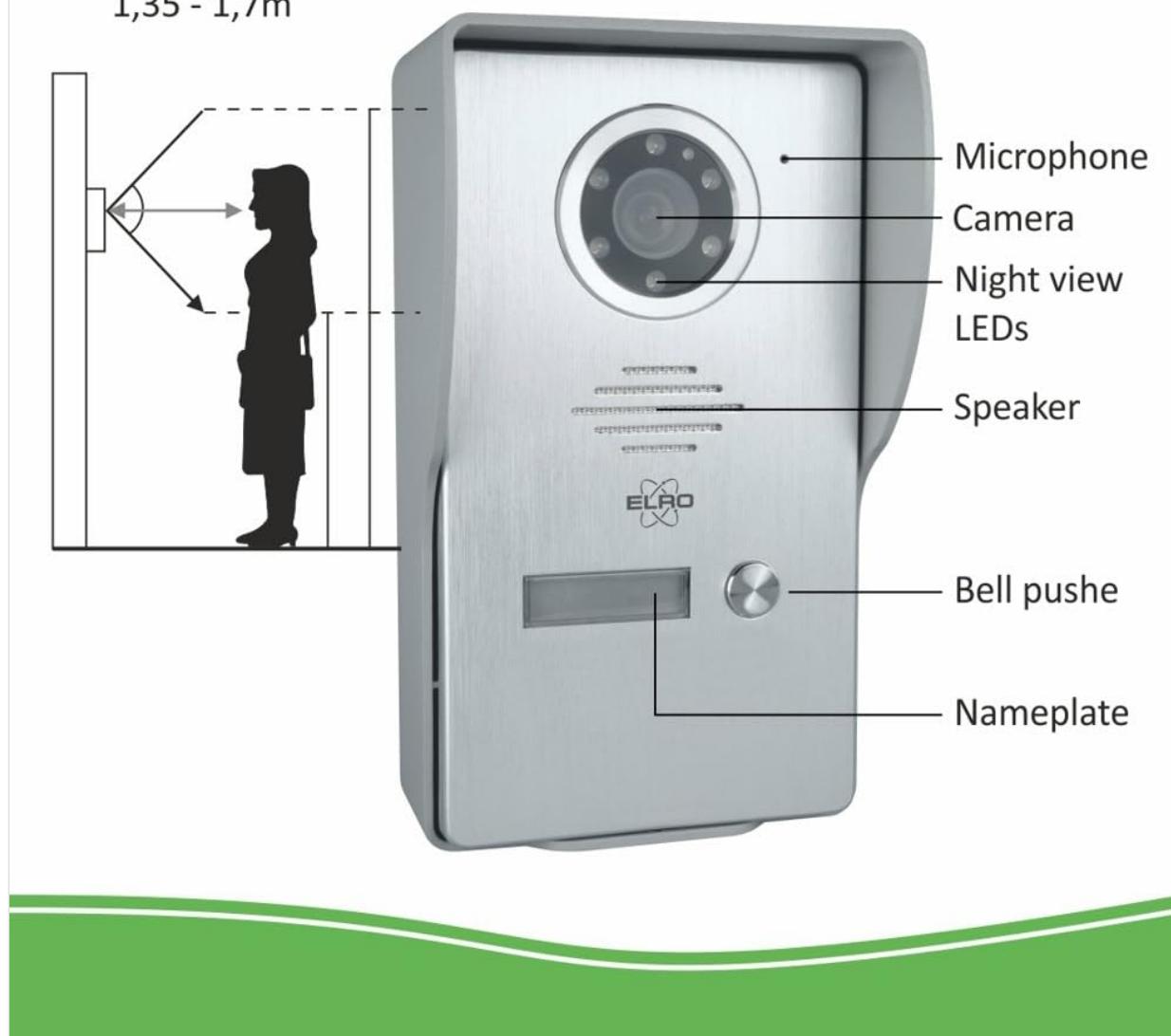


Image 2.1: Diagram illustrating the components of the outdoor unit, including the microphone, camera, night view LEDs, speaker, bell push button, and nameplate.

- **Microphone:** Captures audio from visitors.
- **Camera:** Captures video of visitors, with an adjustable lens.
- **Night View LEDs:** Provide illumination for clear night vision.
- **Speaker:** Outputs audio to visitors.
- **Bell Push Button:** Activates the indoor monitor and chime.
- **Nameplate:** Customizable area for displaying names or apartment numbers.

## 2.2 Indoor Monitor Components and Controls

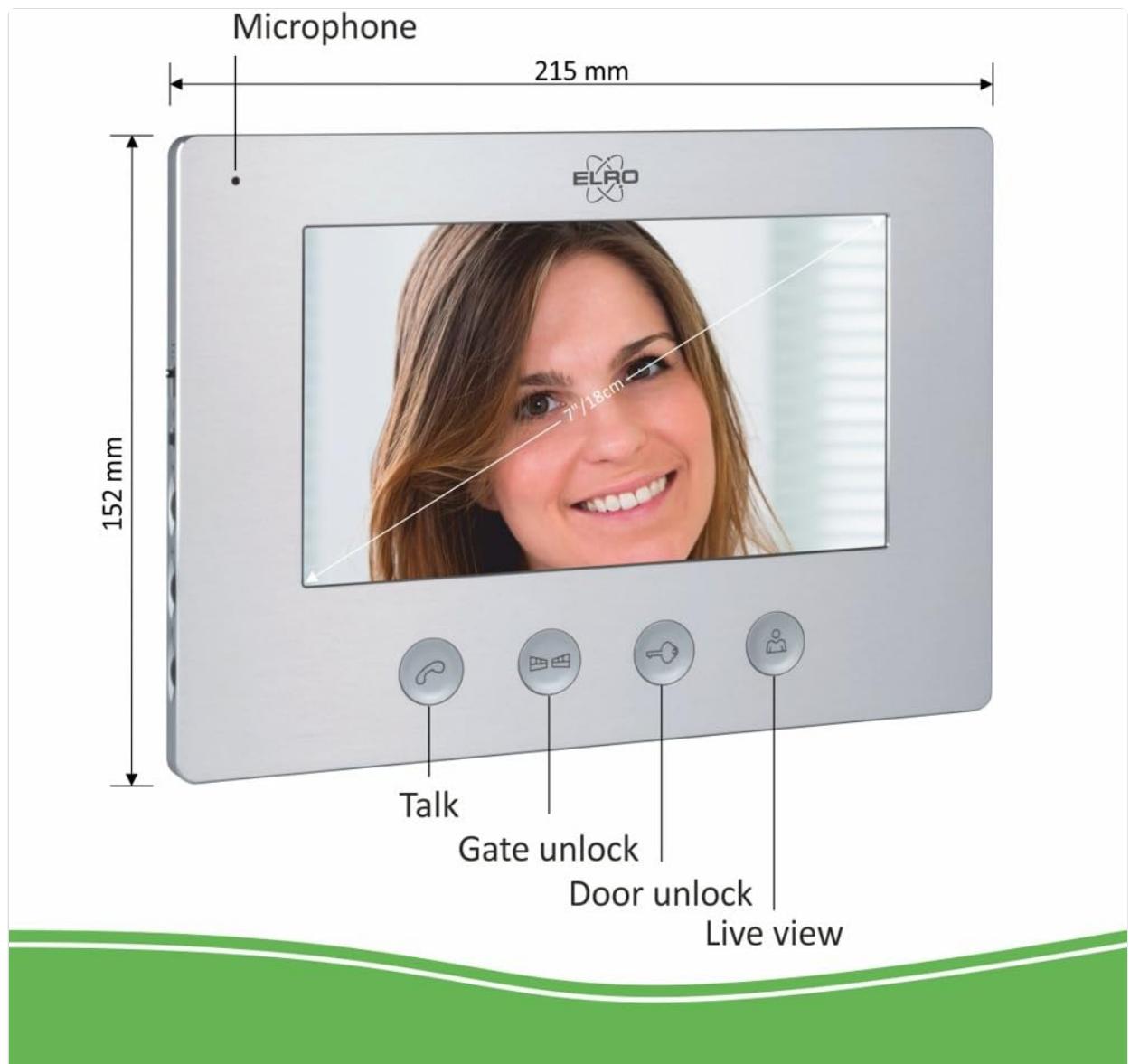


Image 2.2: Diagram showing the indoor monitor with its primary function buttons: Talk, Gate Unlock, Door Unlock, and Live View.

- **Talk Button:** Initiates two-way audio communication.
- **Gate Unlock Button:** Activates an electric gate lock (if connected).
- **Door Unlock Button:** Activates an electric door lock (if connected).
- **Live View Button:** Displays live video from the outdoor camera without a visitor pressing the bell.
- **Microphone:** For speaking with visitors.

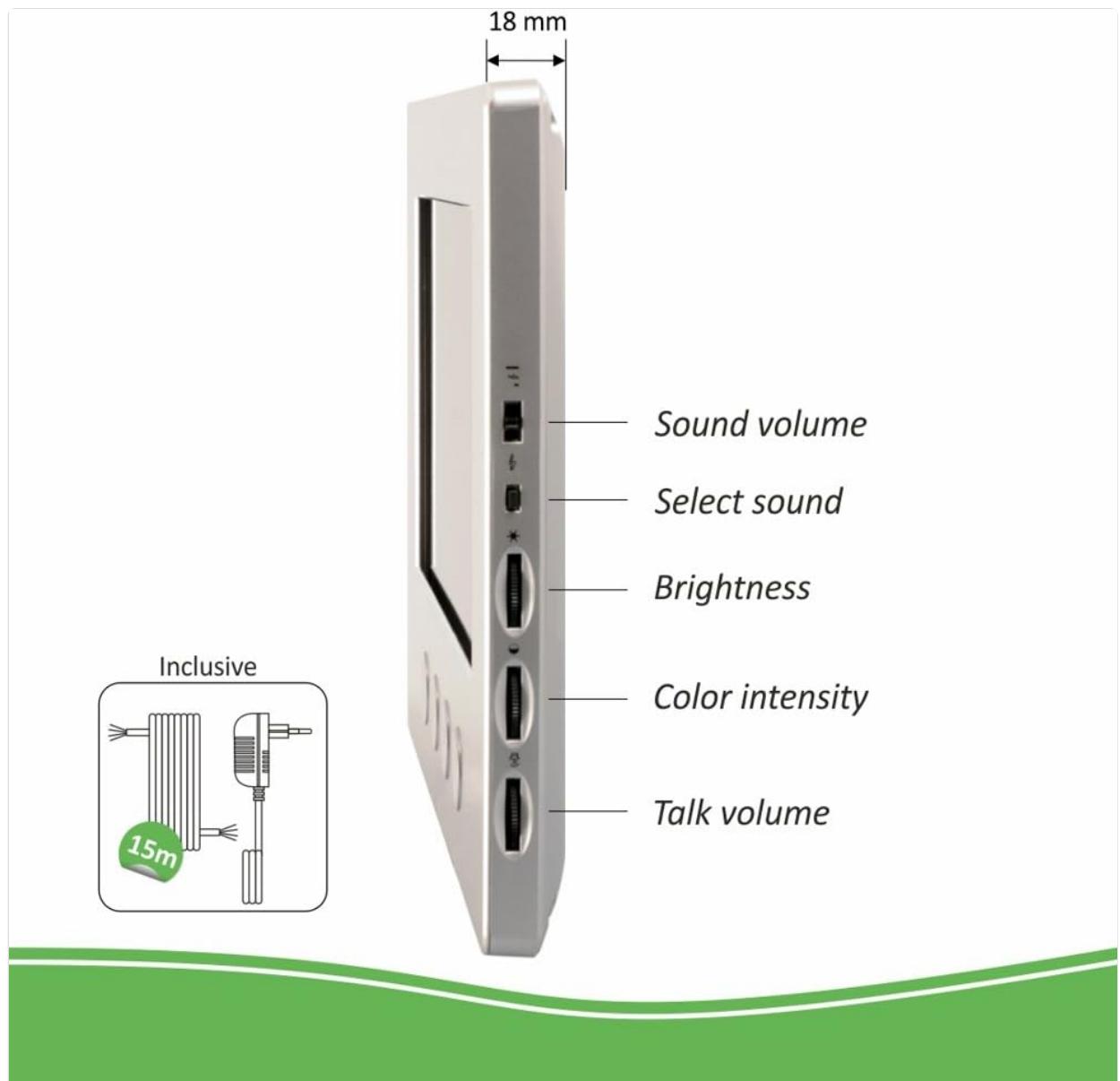


Image 2.3: Side view of the indoor monitor, highlighting the adjustment controls for sound volume, ringtone selection, brightness, color intensity, and talk volume.

- **Sound Volume Control:** Adjusts the volume of the ringtone.
- **Select Sound Control:** Cycles through the 16 available ringtones.
- **Brightness Control:** Adjusts the screen brightness.
- **Color Intensity Control:** Adjusts the color saturation of the display.
- **Talk Volume Control:** Adjusts the volume of the two-way communication.

### 3. INSTALLATION AND SETUP

Proper installation is crucial for the optimal performance of your ELRO DV477W system. It is recommended to consult a qualified electrician if you are unsure about any steps.

#### 3.1 Mounting the Outdoor Unit

1. **Choose Location:** Select a suitable location near your door, ensuring the camera has a clear view of visitors. The recommended mounting height is between 1.35m and 1.7m from the ground.

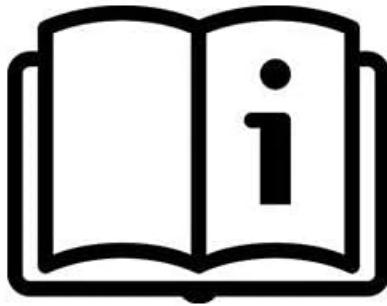
2. **Install Rain Cover:** Mount the rain cover first, ensuring it is level and securely fastened to the wall. This protects the outdoor unit from direct rain.
3. **Secure Outdoor Unit:** Attach the outdoor unit securely within the rain cover.
4. **Adjust Camera Angle:** Manually adjust the camera lens to achieve the desired viewing angle.
5. **Customize Nameplate:** Insert your name or apartment number into the illuminated nameplate slot.



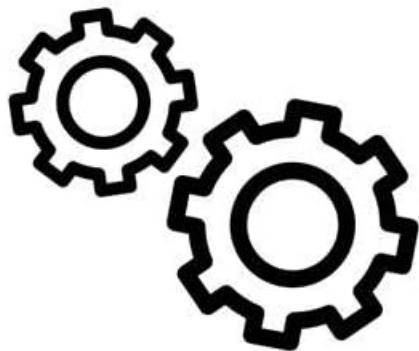
*Image 3.1: Detailed view of the outdoor unit, showing its dimensions (200mm height, 112mm width, 51mm depth) and the adjustable 55-degree lens mechanism.*

### 3.2 Mounting the Indoor Monitor

1. **Choose Location:** Select a convenient indoor location, typically near an electrical outlet.
2. **Install Mounting Bracket:** Secure the monitor's mounting bracket to the wall. Ensure there is sufficient space behind the monitor for wiring connections.
3. **Connect Wiring:** Connect the 4-wire cable from the outdoor unit to the designated terminals on the indoor monitor. Ensure correct polarity.
4. **Connect Power:** Plug the provided power adapter into the monitor and then into a wall outlet.
5. **Secure Monitor:** Mount the indoor monitor onto its bracket.



## Handbuch



## Software



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*Image 3.2: The ELRO DV477W Video Intercom System, showing the outdoor camera unit and the indoor 7-inch monitor, ready for installation.*

### 3.3 Wiring Connections (4-Wire Technology)

The system uses a 4-wire connection between the outdoor unit and the indoor monitor. A 15-meter cable is typically included. Ensure all connections are secure and correctly wired according to the product's wiring diagram (refer to the full manual for detailed diagrams). The indoor monitor also provides connections for electric door and gate locks:

- **Door Lock Connection:** This connection is typically powered by the indoor monitor.
- **Gate Lock Connection:** This is a potential-free contact, meaning it can be connected to an external power supply for the gate lock.

## 4. OPERATION

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Operating your ELRO DV477W Video Intercom System is straightforward.

### 4.1 Receiving a Call

1. When a visitor presses the bell push button on the outdoor unit, the indoor monitor will display the camera feed and play the selected ringtone.
2. Press the **Talk** button on the monitor to begin two-way communication with the visitor.
3. To end the conversation, press the **Talk** button again or the system will automatically hang up after a set period.

### 4.2 Unlocking Doors/Gates

- During a call or while viewing the live feed, press the **Door Unlock** button to activate the connected electric door lock.
- Press the **Gate Unlock** button to activate the connected electric gate lock.

### 4.3 Live View

- To view the outdoor camera feed at any time without a visitor, press the **Live View** button on the indoor monitor.

### 4.4 Adjusting Settings

Use the side controls on the indoor monitor (refer to Image 2.3) to customize your system:

- **Sound Volume:** Slide the control to increase or decrease the ringtone volume. Note that the loudest setting may cause distortion.
- **Select Sound:** Press this button to cycle through the 16 available ringtones until you find your preferred melody.
- **Brightness:** Adjusts the overall brightness of the monitor display.
- **Color Intensity:** Adjusts the vibrancy of the colors on the monitor display.
- **Talk Volume:** Adjusts the volume of the audio during two-way communication.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your video intercom system.

- **Cleaning:** Use a soft, damp cloth to clean the outdoor unit and indoor monitor. Avoid abrasive cleaners or solvents that could damage the surfaces.
- **Outdoor Unit Inspection:** Periodically check the outdoor unit for any signs of wear, damage, or obstruction to the camera lens or microphone. Ensure the rain cover is securely in place and free of debris.
- **Wiring Check:** Occasionally inspect visible wiring for any signs of damage or loose connections.
- **Environmental Protection:** While the outdoor unit is weatherproof, extreme weather conditions can still affect performance. Ensure proper sealing during installation to prevent water ingress, especially in areas prone to heavy rain.

## 6. TROUBLESHOOTING

If you encounter issues with your ELRO DV477W system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on indoor monitor	Loose wiring connection; Power issue; Damaged camera.	Check all 4-wire connections between outdoor unit and monitor. Ensure monitor is powered. If problem persists, contact support.
No sound or distorted sound	Volume too low; Loose wiring; Microphone/speaker fault.	Adjust 'Sound Volume' and 'Talk Volume' controls. Check wiring. If ringtone is distorted at highest volume, reduce it slightly.
Door/Gate unlock not working	Incorrect wiring to lock; Lock mechanism fault; Power supply issue for gate lock.	Verify wiring to electric locks. Ensure external power supply for gate lock is functional. Consult a professional if necessary.
Poor night vision	Obstructed LEDs; Dirty camera lens.	Clean the camera lens and ensure night view LEDs are not obstructed.
Monitor not turning on	No power; Faulty power adapter.	Check power outlet and power adapter connection. Test outlet with another device.

If you are unable to resolve an issue using the troubleshooting guide, please contact ELRO customer support.

## 7. SPECIFICATIONS

Detailed technical specifications for the ELRO DV477W Video Intercom System:

Specification	Detail
Brand	ELRO
Model Number	DV477W
Series	Video Door Intercom
Color	Grey
Product Dimensions (L x W x H)	9.3 x 4 x 20.5 cm (Outdoor Unit)
Item Weight	2.08 kilograms

Specification	Detail
Monitor Size	7 inches (18 cm)
Connectivity Technology	4-wire
Night Vision	Yes, with white LEDs
Ringtones	16 different melodies
Manufacturer	ELRO EUROPE

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official ELRO website. ELRO is a trusted European brand with over 40 years of experience in security products.

If you require assistance with installation, troubleshooting, or have questions about your ELRO DV477W Video Intercom System, please contact ELRO customer service directly. Contact details can typically be found on the ELRO website or in the product packaging.

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