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› PNI DF-926 Video Intercom System User Manual

PNI DF-926

PNI DF-926 Video Intercom System User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PNI DF-926 Video Intercom System. Please read this manual thoroughly before installation and use to ensure proper functionality and safety. The PNI DF-926 is designed to enhance your home security by allowing you to see, speak with, and unlock the door for visitors from the comfort of your indoor monitor.



Figure 1: The PNI DF-926 Video Intercom System, featuring the outdoor unit on the left and the indoor 7-inch LCD monitor on the right. The monitor displays a live video feed.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Outdoor Unit (Camera and Call Button)
- 1 x Indoor Unit (7-inch LCD Monitor)
- 1 x Wall Mount Bracket for Monitor
- 1 x Power Supply for Indoor Monitor (15V)
- 1 x Power Supply for Outdoor Unit (12V)
- Fixing Accessories (screws, wall plugs)
- 1 x User Manual

3. PRODUCT OVERVIEW

3.1 Indoor Monitor

The indoor monitor features a 7-inch color TFT LCD screen for clear video display. It includes controls for monitoring, two-way communication, door unlocking, and adjusting settings.



Figure 2: The indoor monitor with its 7-inch LCD screen, showing control buttons on the right side for various functions like monitoring, speaking, and unlocking.

3.2 Outdoor Unit

The outdoor unit houses the camera, infrared LEDs for night vision, and a call button. It is designed for outdoor use with an IP54 rating, providing protection against dust and splashing water.



Figure 3: The outdoor unit, featuring the camera lens with visible infrared LEDs for night vision and the prominent call button at the bottom.

4. INSTALLATION

The PNI DF-926 system requires a 4-wire cable connection between the indoor monitor and the outdoor unit for power and signal transmission. Both units require separate power supplies.

4.1 Mounting the Outdoor Unit

1. Choose a suitable location near your entrance, ensuring the camera has a clear view of visitors. The recommended height is approximately 1.5 meters (5 feet) from the ground.
2. Use the provided fixing accessories to securely mount the outdoor unit to a wall.
3. Ensure the unit is protected from direct heavy rain if possible, despite its IP54 rating.

4.2 Mounting the Indoor Monitor

1. Select a convenient indoor location, such as a living room or hallway, where the monitor is easily accessible.
2. Attach the wall mount bracket to the wall using the provided screws and wall plugs.
3. Carefully hang the indoor monitor onto the bracket.

4.3 Wiring Connections

1. Connect the 4-wire cable from the outdoor unit to the designated terminals on the indoor monitor. Refer to the wiring diagram in the full manual for specific terminal assignments.
2. Connect the 15V power supply to the indoor monitor.
3. Connect the 12V power supply to the outdoor unit.**Important:** Ensure the outdoor unit receives continuous 12V power for proper operation, even when the indoor monitor is off.
4. If connecting an electric door lock (purchased separately), connect its wires to the designated lock output terminals on the indoor monitor (12V/1A, 0.3s output).

Warning: Incorrect wiring can damage the system. If you are unsure, consult a qualified electrician.

5. OPERATION

5.1 Answering a Call

When a visitor presses the call button on the outdoor unit, the indoor monitor will ring and display the visitor's image. Press the 'Answer' button (typically a phone icon) on the monitor to establish two-way audio communication.

5.2 Monitoring

To view the outdoor area at any time without a visitor call, press the 'Monitor' button (often an eye icon) on the indoor monitor. The screen will display the live video feed from the outdoor camera.

5.3 Unlocking the Door

During a call or while monitoring, press the 'Unlock' button (typically a key icon) on the indoor monitor to activate the electric door lock and allow entry. Ensure an electric lock is properly connected for this function.

5.4 Two-Way Intercom

The system supports two-way audio communication for up to 2 minutes during a call or monitoring session.

5.5 Adjusting Settings

The indoor monitor allows adjustment of volume and melody. Consult the full manual for specific button functions and menu navigation to customize these settings.

6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the indoor monitor and outdoor unit. For stubborn dirt, a slightly damp cloth can be used, but avoid abrasive cleaners or solvents.

- **Environmental Conditions:** The outdoor unit is rated IP54, meaning it is protected against dust ingress and splashing water. However, avoid direct exposure to high-pressure water jets or prolonged submersion. The system operates within a temperature range of -26°C to +60°C.
- **Cable Inspection:** Periodically check the 4-wire connection cable for any signs of wear or damage.

7. TROUBLESHOOTING

If you encounter issues with your PNI DF-926 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on indoor monitor.	Loose 4-wire connection; outdoor unit not powered; monitor not powered.	Check all cable connections. Ensure both indoor and outdoor units are receiving power.
No sound during communication.	Volume too low; loose wiring; microphone/speaker fault.	Adjust monitor volume. Check 4-wire connections. If problem persists, contact support.
Door lock does not activate.	Electric lock not connected or faulty; incorrect wiring; insufficient power to lock.	Verify electric lock connection and functionality. Ensure correct wiring to the monitor's lock output.
Outdoor unit does not respond (no ring, no video).	Outdoor unit not powered; loose 4-wire connection.	Ensure the outdoor unit has its dedicated 12V power supply continuously connected. Check the 4-wire cable connection.
Poor night vision.	IR LEDs obstructed or faulty.	Clean the camera lens and IR LEDs. Ensure no obstructions.

8. SPECIFICATIONS

Feature	Specification
Model Number	DF-926
Brand	PNI
Indoor Monitor Screen	7-inch Color TFT LCD
Screen Resolution	800 x 600 pixels
Camera Sensor	CMOS
Night Vision	6 IR LEDs, up to 3m visibility (Black/White)
Intercom Duration	Up to 2 minutes
Electric Lock Output	12V/1A, 0.3s (requires separate electric lock)
Connection Type	4-wire cable between units

Feature	Specification
Indoor Monitor Power	15V DC
Outdoor Unit Power	12V DC
Power Consumption	5 Watts
Operating Temperature	-26°C to +60°C
IP Rating (Outdoor Unit)	IP54
Mounting Type	Wall Mount, Screw-In
Monitor Dimensions (L x W x H)	22.5 x 16.5 x 3.6 cm
Outdoor Unit Dimensions (L x W x H)	13.4 x 10 x 4.5 cm
Item Weight	650 Grams

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or service inquiries, please contact your retailer or the manufacturer, ONLINESHOP SRL. Keep your purchase receipt as proof of purchase.