

## Generic DS-2FP2020

# DS-2FP2020 Hi-Fi External Security Microphone User Manual

Model: DS-2FP2020 | Brand: Generic

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the DS-2FP2020 Hi-Fi External Security Microphone. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The DS-2FP2020 is an external microphone engineered for high-fidelity audio capture in various surveillance and recording applications. Its omnidirectional pickup pattern and robust design make it suitable for environments requiring clear and wide-area sound monitoring.

## 2. KEY FEATURES

- High sensitivity omnidirectional capacitor microphone for effective sound capture.
- Clear and natural sound pickup from all directions, covering an area of 70m<sup>2</sup> with a 360° pickup pattern.
- Built-in protection against lightning, reverse polarity, and electrostatic discharge for enhanced durability.
- Compliant with EU CE standards and US FCC certification for safety and performance.
- RoHS compliant, ensuring adherence to environmental standards.

## 3. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package:

- 1 x DS-2FP2020 Hi-Fi External Security Microphone

If any components are missing or damaged, please contact your supplier immediately.

## 4. PRODUCT OVERVIEW



Figure 1: DS-2FP2020 Hi-Fi External Security Microphone. This image shows the compact, white, circular microphone unit with a central perforated grille for audio input and an attached cable for connectivity.

## 5. SETUP AND INSTALLATION

Follow these steps for proper installation of the DS-2FP2020 microphone:

1. **Power Supply:** Connect the microphone to a stable 12VDC power source. Ensure the power supply meets the microphone's requirements (25mA consumption).
2. **Audio Output:** Connect the audio output of the microphone to the audio input of your recording device, CCTV system, or amplifier. The microphone features a 600W output.
3. **Placement:** Position the microphone in the desired area for audio capture. Due to its omnidirectional pickup pattern, central placement within the target area (up to 70m<sup>2</sup>) is recommended for optimal sound coverage. Avoid placing it near sources of excessive noise or vibration.
4. **Cable Management:** Securely route the microphone cable to prevent accidental disconnections or damage.

## 6. OPERATING INSTRUCTIONS

Once installed, the DS-2FP2020 microphone operates automatically when powered on. It is designed for continuous audio monitoring.

- **Audio Monitoring:** Ensure your connected recording device or CCTV system is configured to receive and record audio from the microphone's input.
- **Sound Quality:** The microphone provides a signal-to-noise ratio of 60dB, delivering clear audio. Adjust the input sensitivity on your recording device if necessary to optimize sound levels.
- **Environmental Considerations:** While the microphone has built-in protections, avoid exposing it to extreme temperatures, direct water, or corrosive substances to maintain performance.

## 7. MAINTENANCE

The DS-2FP2020 microphone requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Gently wipe the exterior of the microphone with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Cable Inspection:** Periodically check the power and audio cables for any signs of wear, cuts, or damage. Replace damaged cables immediately.
- **Environmental Protection:** Ensure the microphone is not exposed to conditions beyond its operating specifications, such as excessive humidity or dust, which could affect internal components.

## 8. TROUBLESHOOTING

If you encounter issues with your DS-2FP2020 microphone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No audio output	No power; Incorrect connection; Recording device issue	Verify 12VDC power supply is connected and active. Check audio cable connections to both microphone and recording device. Ensure recording device input is selected and functioning.
Low or distorted audio	Microphone too far from sound source; Incorrect input sensitivity on recording device; Environmental noise	Relocate microphone closer to the sound source. Adjust input gain/sensitivity on your recording device. Minimize background noise in the environment.
Intermittent audio	Loose cable connection; Faulty cable	Check all cable connections for tightness. Replace audio or power cables if they appear damaged.

If the problem persists after attempting these solutions, please contact customer support.

## 9. SPECIFICATIONS

Parameter	Value
Model	DS-2FP2020
Brand	Generic
Manufacturer	Hikvision
Recommended Uses	Video Recording, Speech
Coverage Area	70m <sup>2</sup>
Pickup Pattern	360° Omnidirectional

Parameter	Value
Signal-to-Noise Ratio (SNR)	60dB
Output	600W
Power Supply	12VDC
Power Consumption	25mA
Certifications	EU CE, US FCC, RoHS Compliant
Protections	Lightning, Reverse Polarity, Electrostatic Discharge

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided by your retailer or contact the manufacturer, Hikvision, directly. Keep your purchase receipt as proof of purchase for any warranty claims. For further assistance or inquiries, please visit the official website of the brand or contact their customer service department.