Sony FV220

Sony FV220 Dynamic Cardioid Microphone User Manual

Model: FV220

1. Introduction

This user manual provides comprehensive instructions for the safe and effective use of your Sony FV220 Dynamic Cardioid Microphone. Please read this manual thoroughly before using the product and retain it for future reference. The Sony FV220 is designed for clear vocal reproduction, making it suitable for various applications including karaoke and general voice recording.

2. Safety Information

- Do not expose the microphone to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping or subjecting the microphone to strong impacts.
- Keep the microphone away from water and other liquids.
- Do not attempt to disassemble or modify the microphone. This will void the warranty.
- Clean the microphone with a soft, dry cloth only.

3. Package Contents

Verify that all items are present in the package:

- Sony FV220 Dynamic Cardioid Microphone
- Integrated Microphone Cable with 3.5mm Jack

4. Product Overview

The Sony FV220 is a dynamic microphone featuring a cardioid polar pattern, which helps to reduce pickup of sounds from the sides and rear, focusing on the sound source directly in front of the microphone. It is equipped with an integrated cable terminating in a 3.5mm jack for easy connection to compatible audio devices.



Figure 4.1: Sony FV220 Dynamic Cardioid Microphone. This image displays the microphone with its black body, mesh grille, and integrated cable ending in a 3.5mm jack connector.



Figure 4.2: Sony FV220 Microphone in its retail packaging. The packaging highlights the model number F-V220 and "VOCAL" indicating its primary use.

5. Setup

1. **Unpack the Microphone:** Carefully remove the Sony FV220 microphone from its packaging.
2. **Connect to Audio Device:** Locate the 3.5mm jack on your audio device (e.g., computer, karaoke machine, amplifier). Insert the microphone's 3.5mm connector firmly into the corresponding input port. Ensure the connection is secure.
3. **Power On (if applicable):** If your audio device requires power for microphone input, ensure it is powered on. The Sony FV220 itself does not require external power.

6. Operation

1. **Microphone Switch:** The Sony FV220 features an ON/OFF switch located on the microphone body. Slide the switch to the "ON" position to activate the microphone. Slide it to "OFF" when not in use to prevent unintended

sound pickup.

2. **Positioning:** For optimal sound quality, hold the microphone approximately 2-6 inches (5-15 cm) from your mouth. The cardioid pattern is most sensitive to sounds directly in front of the microphone.
3. **Volume Adjustment:** Adjust the input volume on your connected audio device to achieve the desired sound level without distortion.
4. **Recommended Use:** This microphone is particularly well-suited for vocal performances, such as karaoke, due to its dynamic and cardioid characteristics.

7. Maintenance

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the microphone body. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the microphone in a clean, dry place, away from dust and extreme temperatures.
- **Cable Care:** Avoid sharply bending or twisting the microphone cable to prevent internal damage.

8. Troubleshooting

- **No Sound Output:**
  - Ensure the microphone's ON/OFF switch is in the "ON" position.
  - Verify the 3.5mm jack is fully inserted into the audio device's microphone input.
  - Check the volume settings on your audio device.
  - Test with another audio input device if possible.
- **Distorted Sound:**
  - Reduce the input volume on your audio device.
  - Ensure you are not speaking too close to the microphone.
- **Low Volume:**
  - Increase the input volume on your audio device.
  - Ensure the microphone is positioned correctly and close enough to the sound source.

9. Specifications

Feature	Detail
Model Number	FV220
Brand	Sony
Microphone Type	Dynamic
Polar Pattern	Unidirectional (Cardioid)
Connectivity Technology	Wired
Connector Type	3.5 mm Jack
Impedance	600 Ohm

Feature	Detail
Frequency Response	20 Hz (Lower bound, typical for dynamic mics, full range not specified)
Signal-to-Noise Ratio	78 dB
Item Weight	272 g (9.6 Ounces)
Product Dimensions (LxWxH)	31.75 x 8.38 x 6.6 cm (12.5 x 3.3 x 2.6 Inches)
Power Source	Corded Electric (No external power required for mic itself)
Recommended Uses	Karaoke

10. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official Sony support website. You can also find more information on the Sony Store on Amazon.

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Question

Example: How do I reset this device or fix this error?

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