



Sony F-V320 Uni-Directional Vocal Microphone Operating Instructions

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SONY

Sony F-V320 Uni-Directional Vocal Microphone



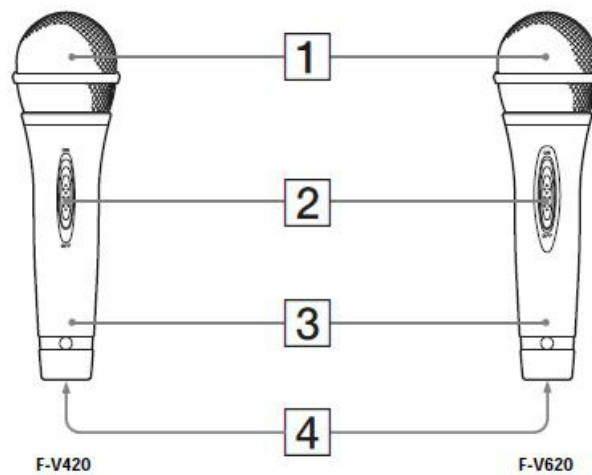
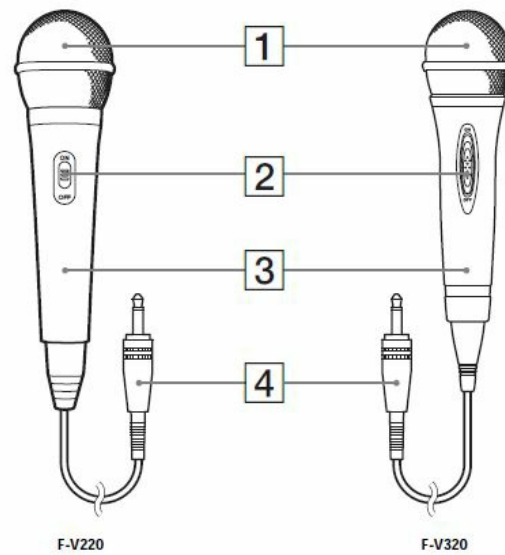
FEATURES

Thank you for purchasing the Sony Dynamic Microphone. Some features are:

- **High quality unit employing Alnico** for the magnetic material.
- **Durable zinc diecast body** (for F-V420 and F-V620).
- **Equipped with the Cannon type connector** for high reliability (for F-V420 and F-V620).
- **An OFC (Oxygen Free Copper) microphone cord** with a diameter of 5.5 mm (for F-V420, F-V620) for high quality sound and reliability.
- **Unimatch plug compatible** with a wide range of AV equipment from a radio cassette recorder to a laser disc player.

Parts Identification and How to Use

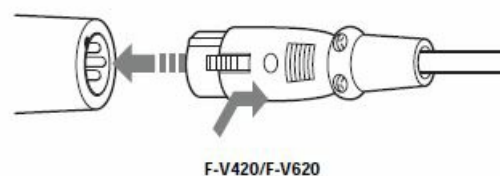
(see Fig. A):



1. Windscreen
2. Talk switch (ON/OFF): Set this switch to ON when using the microphone. To stop the microphone picking up the sound, set it to OFF.
3. Body
4. Output miniplug (for F-V220 and F-V320) Output connector (Canon XLR-3-12C type) (for F-V420 and F-V620)

Connection

(see Fig. B):



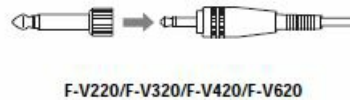
(for F-V420 and F-V620) To attach and detach:

- Align the connector with the output terminal of the microphone. Insert the connector until it clicks into place.

- To detach the connector, pull out the connector while sliding down the catch.

How to Use the Unimatch plug

(see Fig. C):



- The microphone is equipped with a Unimatch plug which allows connection to a radio cassette recorder, tape deck, etc. with the phone jack or minijack. To connect to the tape deck with the phone jack, attach the phone plug adaptor.

Positioning the Microphone

For vocal use, keep the microphone approximately 10 cm (4 inches) away from your mouth. If positioning too close causes the proximity effect (an increase in bass response) or breathing noise, move the microphone a little away from your mouth.

Precautions

- The microphone should never be dropped or subjected to extreme shock.
- Keep the microphone away from extremely high temperature (above 60°C or 140°F) and humidity.
- If the microphone is placed too near a speaker, a howling effect (acoustic feedback) may occur. If this happens, decrease the speaker volume, change the direction of the microphone, or keep the microphone away from the speaker until the howling stops.
- When using the microphone outdoors, avoid getting it wet.
- Wipe the microphone and the plug with a dry cloth when they are soiled.

TROUBLESHOOTING

The Sony F-V320 Uni-Directional Vocal Microphone is designed for vocal use, and if you encounter any problems with its performance, you can refer to this troubleshooting guide for potential solutions:

Problem 1: No Sound Output

Potential Solutions:

- **Check the Talk Switch:** Ensure that the microphone's talk switch is set to the "ON" position. If it's set to "OFF," it will not capture any sound.
- **Verify the Connection:** Make sure the microphone is correctly connected to your recording or amplification equipment. Ensure that the cable is securely plugged into both the microphone and your device's input.
- **Inspect the Cable:** Examine the microphone cable for visible damage or fraying. If you notice any issues, you may need to replace the cable.
- **Equipment Compatibility:** Confirm that the microphone is compatible with your recording or amplification

equipment. Some devices might require an adapter or specific setup.

Problem 2: Distorted or Poor Sound Quality

Potential Solutions:

- **Proximity Effect:** Uni-directional microphones like the F-V320 can exhibit a proximity effect, which increases bass response when the microphone is very close to the sound source. To avoid distortion, maintain an appropriate distance between the microphone and your mouth or sound source.
- **Use a Windscreen:** If you're using the microphone outdoors or in a windy environment, consider using a windscreen. Wind can cause distortion and unwanted noise, which a windscreen can help reduce.
- **Inspect the Cable:** Ensure that the microphone cable is not damaged, as damaged cables can lead to poor sound quality. Replace the cable if necessary.

Problem 3: Feedback or Howling

Potential Solutions:

- **Reduce Speaker Volume:** Feedback or howling can occur when the microphone is too close to a speaker. Lower the speaker's volume or move the microphone away from the speaker to eliminate feedback.
- **Adjust Microphone Position:** Experiment with different microphone positions to minimize its exposure to sound from the speakers. Find a position that prevents feedback.
- **Use a Mixer or Equalizer:** If available, use a mixer or equalizer to fine-tune the microphone's audio. Reducing frequencies prone to feedback can help prevent howling.

Problem 4: Microphone Unresponsive

Potential Solutions:

- **Check the Power Source:** If the microphone requires a power source (e.g., battery or phantom power), ensure it is correctly powered. Replace the battery or verify the phantom power source if needed.
- **Inspect Connectors:** Examine the connectors for damage or dirt. Clean them and make sure they are firmly connected to your equipment.
- **Review Switches and Settings:** Double-check the microphone's settings and switches to ensure they are configured correctly. Verify the positions of switches related to features like the talk switch.
- **Test with Another Device:** Test the microphone with another compatible device to determine if the issue is with the microphone or your original equipment.

FREQUENTLY ASKED QUESTIONS

What is the Sony F-V320 Uni-Directional Vocal Microphone?

The Sony F-V320 is a uni-directional vocal microphone designed for capturing clear and focused vocal performances.

What is the microphone's brand?

The Sony F-V320 is manufactured by Sony, a renowned brand in the field of audio and electronics.

What is the model number of this microphone?

The model number of this microphone is F-V320, which distinguishes it within the Sony product lineup.

What type of microphone is it?

The Sony F-V320 is a uni-directional microphone, meaning it primarily captures sound from one direction, making it ideal for vocals.

Is it suitable for live performances?

Yes, this microphone is well-suited for live vocal performances, providing clear and focused sound reproduction.

What is the microphone's connectivity?

The Sony F-V320 typically features XLR or 1/4-inch jack connectivity, ensuring compatibility with various audio equipment.

Does it require phantom power?

Depending on the version, this microphone may or may not require phantom power. Refer to the product specifications for details.

Is it suitable for studio recording?

Yes, the Sony F-V320 can be used for studio recording, offering clear and precise vocal recording capabilities.

What accessories come with the microphone?

The microphone may come with accessories such as a microphone clip or pouch, depending on the package and retailer.

What is the microphone's frequency response?

The microphone's frequency response typically falls within a specific range, providing clarity to vocal performances. Refer to the product specifications for details.

Is it suitable for outdoor use?

While the microphone can be used outdoors, it's important to protect it from wind and moisture, as it is primarily designed for indoor vocal applications.

Can it handle high sound pressure levels (SPL)?

The Sony F-V320 is capable of handling moderate to high sound pressure levels, making it suitable for loud vocal performances.

What is the microphone's polar pattern?

The microphone typically has a cardioid polar pattern, focusing on sound from the front while minimizing background noise and feedback.

Does it come with a warranty?

Sony often provides a warranty for their microphones. Check the warranty details included with your purchase for specific coverage.

What is the microphone's weight and dimensions?

The microphone's weight and dimensions can vary slightly between versions. Refer to the product specifications for precise measurements.

Where can I find user manuals and support for this product?

You can often find user manuals and product support on the official Sony website or by contacting Sony customer support for assistance with any questions or issues.

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