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Sony ECMAW4

Sony ECMAW4 Wireless Microphone Instruction Manual

Model: ECMAW4

Introduction

The Sony ECMAW4 Wireless Microphone is designed for interactive communication and clear audio recording. This compact and lightweight system provides two-way communication and high-quality sound capture for various applications, particularly when paired with a camcorder.

Key Features:

- **Interactive Two-Way Communication:** Enables communication between the microphone user and the camcorder operator.
- **Extended Wireless Range:** Offers reliable audio transmission up to 164 feet (50 meters) from the camcorder.
- **Clear Sound Recording:** Designed to capture crisp and clear audio.
- **Compact and Portable Design:** Lightweight units for easy portability and discreet use.

What's in the Box

Upon unpacking your Sony ECMAW4 Wireless Microphone, ensure all the following components are present:

- Wireless Microphone Unit (Transmitter)
- Wireless Receiver Unit
- Recording Cable (3.5mm stereo mini-plug)
- Wind Screen
- Carrying Pouch
- Arm Band
- Earphones
- Earphone Hanger



Image: The Sony ECMAW4 Wireless Microphone (left) and Receiver (right) units, showing their compact design and clip attachments.

Setup Guide

1. **Install Batteries:**

   Both the microphone (transmitter) and receiver units require 1 Lithium Ion battery each. Open the battery compartment on each unit and insert the batteries, ensuring correct polarity. Close the compartments securely.



Image: Side view of the microphone and receiver units, highlighting the power switch and volume controls.

2. **Connect Receiver to Camcorder:**

   Use the supplied recording cable to connect the receiver unit's output jack to your camcorder's microphone input jack (typically a 3.5mm stereo mini-jack). Ensure the connection is firm.



Image: The Sony ECMAW4 Receiver unit connected via cable to a digital recorder, demonstrating the audio output connection.

3. **Power On Units:**

   Slide the "POWER ON" switch on both the microphone and receiver units to the ON position. The indicator lights should illuminate, indicating they are powered on and attempting to pair.

4. **Pairing (Automatic):**

   The microphone and receiver units are designed to automatically pair when powered on within range. A steady indicator light typically confirms a successful connection.

5. **Attach Microphone:**

   Attach the microphone unit to the speaker using the arm band or clip it to clothing (e.g., a shirt pocket). Position it close to

the sound source for optimal audio capture.



Image: The Sony ECMAW4 Microphone unit attached to a user's arm using the included arm band.



Image: The Sony ECMAW4 Microphone unit clipped securely to a shirt pocket.

6. **Attach Wind Screen:**

   If recording outdoors or in windy conditions, attach the supplied wind screen to the microphone unit to minimize wind noise.

7. **Connect Earphones (Optional):**

   For two-way communication, connect the earphones to the receiver unit. The earphone hanger can be used to manage the cable.

Operating Instructions

1. **Adjust Volume:**

   Use the volume controls on both the microphone and receiver units to adjust the audio levels for optimal recording and communication. Monitor the audio on your camcorder or through the earphones to prevent distortion or low volume.

2. **Two-Way Communication:**

   With earphones connected to the receiver, the camcorder operator can speak into the receiver unit, and their voice will be transmitted to the microphone user's earphones. Conversely, the microphone user's voice is transmitted to the camcorder for recording and to the operator's earphones.

3. **Recording:**

   Once the units are set up and audio levels are adjusted, begin recording on your camcorder as usual. The wireless microphone will capture the audio from the speaker.

4. **Range Considerations:**

   Maintain a clear line of sight between the microphone and receiver units for best performance. Obstacles and distance can affect signal quality. The maximum effective range is approximately 164 feet (50 meters).

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Do not use liquid cleaners or solvents.
- **Battery Care:** Remove batteries if the units will not be used for an extended period to prevent leakage. Replace batteries when the low battery indicator appears or when performance degrades.
- **Storage:** Store the microphone and receiver in the supplied carrying pouch in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the recording cable excessively to prevent damage.

Troubleshooting

No Sound or Low Volume:

- Ensure both microphone and receiver units are powered on.
- Check battery levels and replace if necessary.
- Verify the recording cable is securely connected to both the receiver and the camcorder's microphone input.
- Adjust the volume controls on both the microphone and receiver units.
- Confirm the camcorder's audio input settings are correct and not muted.

Interference or Poor Sound Quality:

- Reduce the distance between the microphone and receiver units.
- Ensure there are no large metallic objects or other wireless devices causing interference.
- Avoid using the system near strong electromagnetic fields.
- Check if the wind screen is properly attached in windy conditions.

Units Not Pairing:

- Power off both units, then power them back on to re-initiate pairing.
- Ensure units are within close proximity during initial power-on.
- Check battery levels.

Specifications

Brand:	Sony
Model Name:	ECMAW4

Connectivity Technology:	Wireless (Bluetooth)
Connector Type:	3.5 mm Jack
Microphone Form Factor:	Shotgun (Omnidirectional)
Polar Pattern:	Omnidirectional
Compatible Devices:	Camcorder
Power Source:	Battery Powered (1 Lithium Ion battery required per unit)
Item Weight:	10.4 ounces
Product Dimensions (L x W x H):	6 x 2.59 x 8.56 inches
Material:	Plastic
Signal-to-Noise Ratio:	76 dB
Number of Channels:	1
Color:	Black

Warranty and Support

For warranty information and technical support, please refer to the official Sony website or contact Sony customer service directly. Keep your proof of purchase for warranty claims.

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