

Electret Condenser Microphone

ECM-727P

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Mode d'emploi

Avant d'utiliser cet appareil, veuillez lire attentivement ce mode d'emploi et le conserver pour toute référence future.

Bedienungsanleitung

Lesen Sie vor der Inbetriebnahme diese Anleitung sorgfältig durch und bewahren Sie sie zum späteren Nachschlagen gut auf.

Manual de instrucciones

Antes de emplear la unidad, lea detenidamente este manual, y consérvelo para futuras referencias.

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English

Features

- Mini-sized uni-directional stereo microphone with high fidelity which is suitable for digital recording.
- Back-electret microphone capsules are used for the excellent transient characteristics and improved fidelity.
- Power is supplied directly from the connected MiniDisc recorder, DAT recorder or tape recorder which is equipped with the MIC (PLUG IN POWER) jack.
- This microphone can be placed on a flat surface such as a desk or fixed on a chair using the supplied microphone clip.

Precautions

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

Parts Identification and How to Use

- 1 **Microphone**
Place the microphone itself on a flat surface of the microphone clip.
- 2 **Joint**
- 3 **Microphone cord**
- 4 **Microphone clip**
- 5 **Output plug (Gold plated L-shaped stereo)**
Connect this plug to the MIC (PLUG IN POWER) jack of the MiniDisc recorder, DAT recorder or tape recorder.
The microphone operates on the power source of the connected equipment having a power supply system.

How to use the microphone clip (see figure 1)

- 1 Match the joint of the microphone clip and the rear of the microphone.
- 2 Slide the microphone clip until it is firmly fixed.
- 3 Fasten the clip on a chair or a desk, etc.
- 4 Point the microphone toward the sound source.

Note

When adjusting the direction of the microphone, do not touch the microphone cord. Be sure to hold the microphone body.

Specifications

Type	Electret condenser microphone (two electret condenser capsules)
Microphone cord	2.2 mm dia., two core-shielded (Oxygen free copper) with the L-shaped stereo miniplug Length: Approx. 1.5 m (6 feet)
Power source	Plug-in power system
Dimensions	Approx. 46 × 25 × 63 mm (w/h) (1 ¹³ / ₁₆ × 1 × 2 ¹ / ₂ inches)
Mass	Approx. 50 g (1.76 oz)
Accessories supplied	Microphone clip (1) Carrying case (1)

The following items are measured in the circuit with the standard load-circuit for Sony plug-in power system.

Frequency response	100 - 15,000 Hz
Directivity	Uni-directional (stereo)
Output impedance	2.6 kilohms ± 30%
Output level (deviation ± 3 dB)	Open circuit voltage - 48 dB 0 dB = 1 V/Pa, 1,000 Hz (1 Pa = 10 μbar = 94 dB _{SPL})
Maximum sound pressure input level (at 1,000 Hz, 1% THD)	More than 110 dB _{SPL} 0 dB _{SPL} = 2 × 10 ⁻⁵ Pa
Dynamic range	More than 83 dB
Operating temperature	0°C - 40°C (32°F - 104°F)
Design and specifications	subject to change without notice.