

ECM-727P

SERVICE MANUAL

US Model
Canadian Model
AEP Model



SPECIFICATIONS

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

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

Frequency response	100-15,000Hz
Directivity	Uni-directional (stereo)
Output impedance	2.6 kilohms \pm 30%
Output level (deviation \pm 3 dB)	Open circuit voltage -48 dB 0dB=1V/Pa, 1,000 Hz (1 Pa=10 μ bar=94 dB _{SPL})

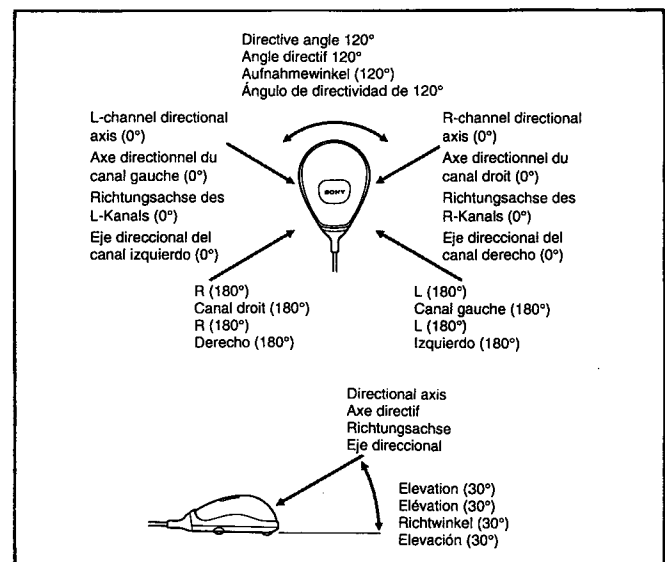
Maximum sound pressure input level
(at 1,000 Hz, 1% distortion)

More than 110 dB_{SPL}
0 dB_{SPL}= 2x10⁻⁵ Pa

Dynamic range
Operating temperature

More than 83 dB
0°C - 40°C (32°F - 104°F)

Design and specifications subject to change without notice.



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.

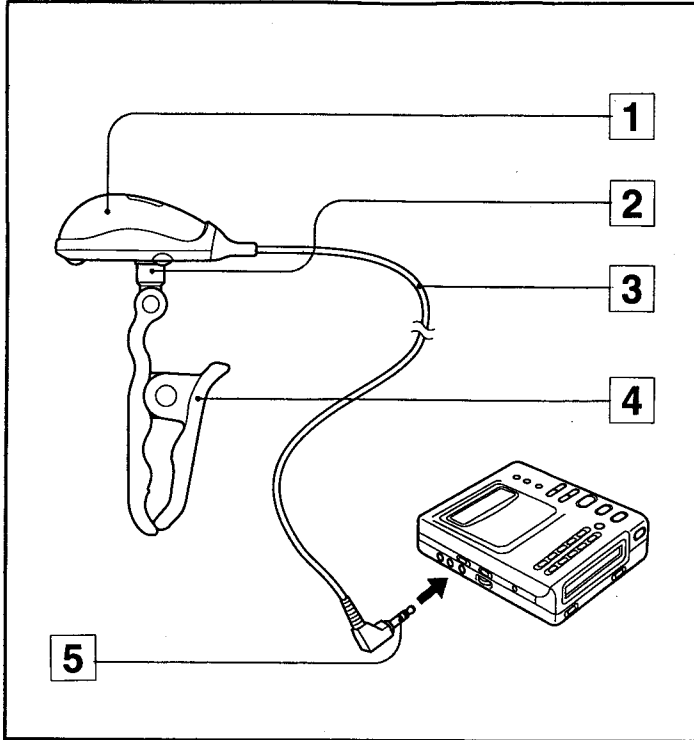
ELECTRET CONDENSER MICROPHONE
SONY



SECTION 1 GENERAL

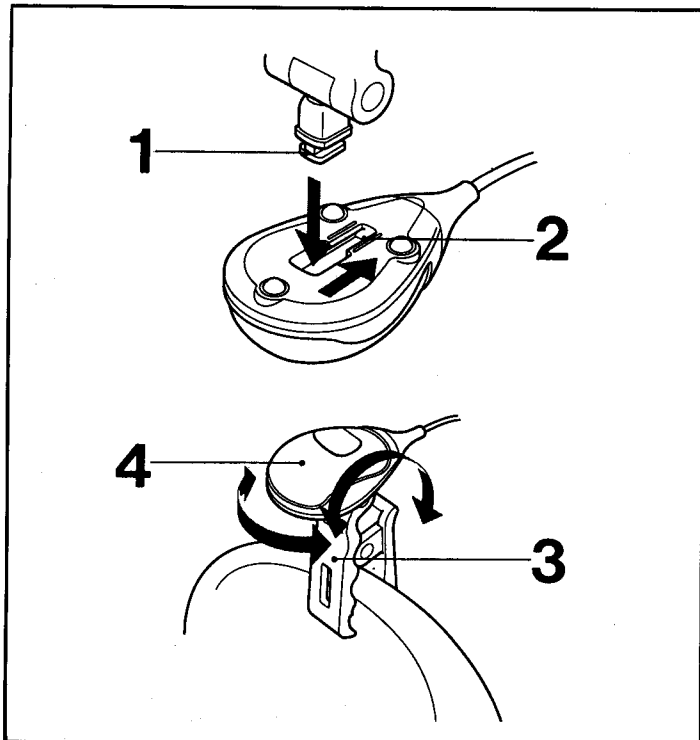
This section is extracted from instruction manual.

Parts Identification and How to Use



- 1 Microphone**
Place the microphone itself on a flat surface or attach it to the microphone clip.
- 2 Joint**
- 3 Microphone cord**
- 4 Microphone clip**
- 5 Output plug (Gold plated L-shaped stereo miniplug)**
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



- 1** Match the joint of the microphone clip and the notch in 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, don't pull the microphone cord. Be sure to hold the microphone and the clip.