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 3/8 x 1 x 2 1/8 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 ± 30%

Output level
Open circuit voltage -48 dB
(deviation ± 3 dB)
0dB=1V/Pa, 1,000 Hz
(1 Pa=10 μbar=94 dBre)

Maximum sound pressure input level
(at 1,000 Hz, 1% distortion)
More than 110 dBm.
0 dBm=2x10^6 Pa

Dynamic range
More than 93 dB

Operating temperature
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.

SPEECH MICROPHONE

MICROFILM
**SECTION 1**
**GENERAL**

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.