User Manual

RECORDING TOOLS MRP-01
Studio Ribbon Microphone

Safety instructions

Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

Installation and starting up

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Establish all connections as long as the unit is switched off. Use the shortest possible highquality cables for all connections.

XLR connection for signal output

A balanced XLR mounting plug is used for signal output.

XLR pin assignment is following:

1. Ground, shielding
2. Signal (+)
3. Signal (–)

Polar pattern ∞

The 'Figure-8' characteristics of this microphone can be used, e.g., to record two singers simultaneously. It often sounds better than two separate microphones in the same room. But even with only one singer the figure-8 characteristic makes sense, as the proximity effect creates a pleasant, rich bass.

The figure-8 characteristic emphasizes the sound source in front and behind the microphone, but attenuates sources, which are arranged laterally to it. Place the microphone about 30 % farther away from the sound source than an equivalent omnidirectional microphone.

In horizontal direction the microphone does not differentiate too much between different sound sources. Therefore, multiple instruments or singers can be arranged in front of the microphone, without overemphasizing the middle position.

Tips on handling and positioning

Like all ribbon microphones, the construction design makes this unit more sensitive to shock and to direct blowing in than other types of microphones. Protect the microphone against strong air movements, such as can occur with kick drums and guitar and bass amplifiers. To detect strong air movements, simply hold your hand in front of the sound source. If you feel air movement, this place would be too close for the microphone. Try a bigger distance or different angle to the sound source.

We recommend always using a pop filter for vocal and speech recording - not only to attenuate pop noises and sibilants, but also to protect the microphone against too much moisture.

The microphone does not require a power supply. However, you can connect it to a mixer input that provides phantom power, **if it is wired correctly.**

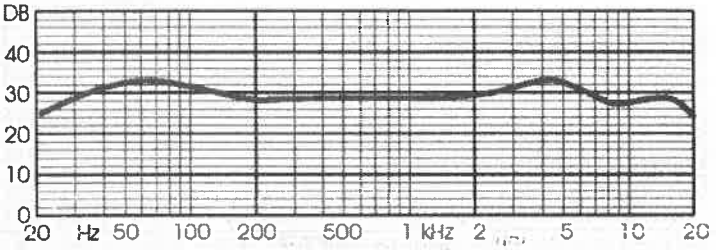
Also protect the microphone against vibrations during transport. Always transport it well packed inside the included cloth bag and the paper box.

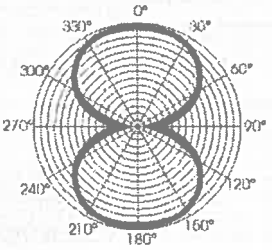
Don't let the unit drop on the floor. Even one single hard impact can deform the ribbon. The microphone then may seem to be working, but the sound is severely impaired. In this case the device needs professional repair (re-ribbon).

Technical specifications

Polar pattern: Figure-of-8 (Bi-directional)
Frequency response: 30Hz~18KHz, ± 3 dB
Sensitivity: -52dB±2dB(0dB=1V/Pa at 1kHz)
Output Impedance: 350Ω±30% (at 1kHz)
Load Impedance: ≥1000Ω
Self Noise: 10dB A
Max. Input SPL: 140 dB(at 1kHz≤1% T.H.D)
S/N Ratio: 84dB
Dimensions: Ø25x168mm
Connection: 3-pin XLR
Accessory Included: Shock mount, cloth bag

Frequency response and polar pattern charts





Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility

WEEE Reg DE 97062912

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