

TAKSTAR®



CM-63 | DIAPHRAGM MICROPHONE

User Manual

■ Preface

Dear Customer,

Thank you for purchasing Takstar CM-63 DIAPHRAGM MICROPHONE. Please read the user manual carefully before operation and keep it for reference in future.

If you have any question or suggestion, please contact our local dealer.

■ Features

1. Using anti-humidity technology ensures stable performance under all weather condition.
2. Wide frequency response, high sensitivity.
3. Gold-plated diaphragm condenser capsule, excellent transient response capability prevents from unwanted harmonic distortion.
4. Built-in classic low noise FET for pre-impedance conversion.
5. Low frequency attenuation and sensitivity attenuation switch suits for various applications.
6. Hi-Fi OTL class A amplification and low impedance output reduces the cable transmission loss.
7. Multiple finish process for durable use.

■ Product content

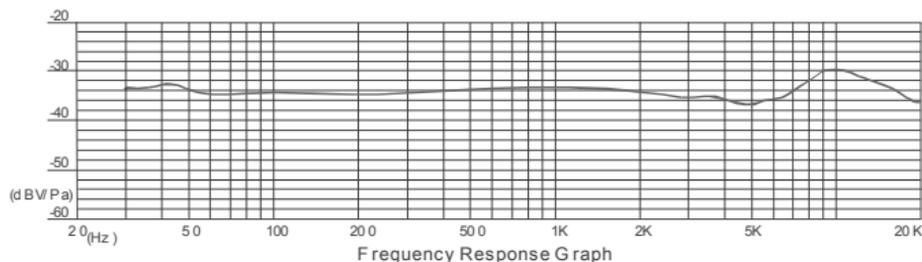
Microphone	1 pc
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Microphone clip.....	1 Pc

■ Application

Television studio, recording studio, broadcasting station, stage performance and instrument pickup.

■ Specification

Frequency Response Graph



Element: Gold-plated Diaphragm Capsule

Transducer Principle: Pressure Gradient Transducer

Polar Pattern: Cardioid

Frequency Response: 30Hz-20KHz

Sensitivity: $-35\text{dB} \pm 2\text{dB}$ (0dB=1V/Pa at 1KHz)

Equivalent Noise Level: $\leq 20\text{dB A}$ (IEC 581-5)

Max. Input SPL: $\geq 130\text{dB}$ (T.H.D $\leq 1\%$ at 1KHz)

$\geq 140\text{dB}$ (with 10dB pad)

(T.H.D $\leq 1\%$ at 1KHz)

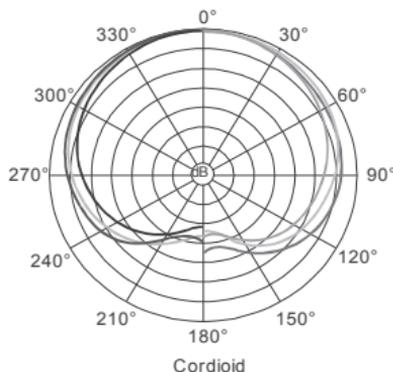
Dynamic Range: 110dB

Bass Filter: 12dB/octave at 100Hz

Output Impedance: $200\Omega \pm 30\%$ (at 1KHz)

Load Impedance: $\geq 1000\Omega$

Power Requirements: 48V DC Phantom Power



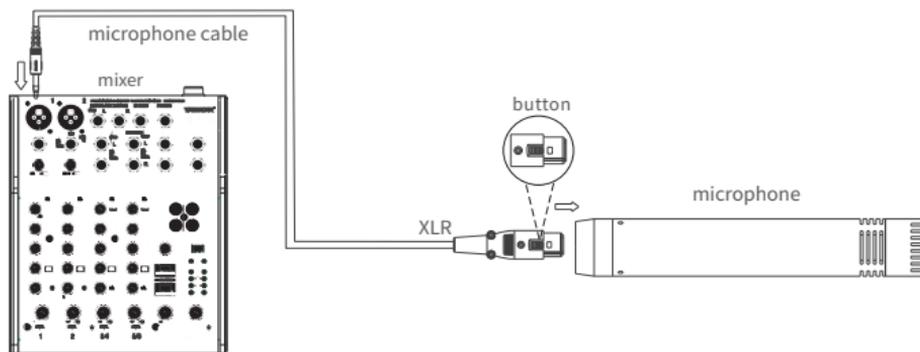
Legend for Polar Pattern Graph:

125Hz	—	2 000 Hz
500 Hz	—	4 000 Hz
1 000 Hz	—	8 000 Hz

Note: The above data are obtained by Winning Laboratory and have the right of final interpretation.

■ Installation

1. When connecting the microphone with cable, match the XLR connector with the 3 pin on microphone, then insert fully till the XLR lock button fixes the position.
2. When disconnecting the microphone with the cable, press the XLR lock button, then take out the cable.
3. Connect the other end of the cable with the equipments, e.g. mixer, power amplifier, sound card.



4. Reduce the equipment volume before operation, then adjust the volume to a proper level to avoid speaker damage by the sound pressure surge.
5. Do not hold the microphone grille. Keep the microphone away from the speaker as much as possible and avoid the capsule pointing to the speaker to prevent from feedback.

■ Cautions

To avoid electric shock, over temperature, catching fire, explosion, mechanical risk and hurt or property loss caused by improper use, please read the following items carefully before operation:

1. Make sure the power of connected equipment matches with that of this product. Adjust the volume to proper level during operation. Do not operate at high volume level to avoid hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket, and send the product to local dealer for maintenance.
3. Using battery of broken insulation material is forbidden to avoid short circuit. Do not charge the non-rechargeable battery.
4. Put the waste battery into classification dustbin rather than used as toy by children or discarded directly to avoid potential danger or affecting the environment.
5. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function destroyed.
6. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
7. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
8. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.



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