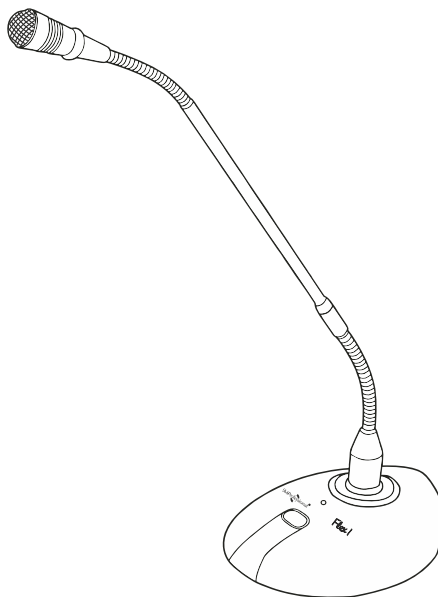




Flex 1 Set

Gooseneck Microphone with stand



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1. Introduction

Thank you for purchasing the FLEX 1 Professional Conference Microphone. This microphone is designed for high-quality audio capture in meetings and broadcasting applications. To ensure maximum performance and safety, please follow this instruction manual carefully. After unpacking, inspect for any physical damage. If any damage has occurred, notify your dealer immediately. Retain the packaging for future use.

2. Features at a Glance

- High-quality professional conference microphone.
- Cardioid polar pattern for focused voice pickup.
- High sensitivity and superior vocal reproduction.
- High gain before feedback.
- Durable and sleek design.
- Dual power support: 2 X 1.5V AAA batteries or + 48V phantom supply.
- Fixed XLR audio connector for professional-grade output.

Ideal Conference Solutions for:

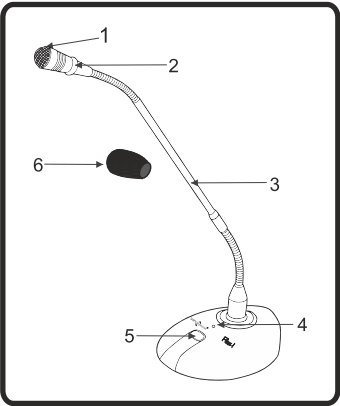
- Council Halls (Corporation & Municipalities)
- Parliamentary Chambers
- Corporate board rooms
- State Legislative Assemblies

3. Product Components

- Microphone (FLEX 1).....x 1
- Sponge Screen (Pop Filter Foam).....x 1
- Audio Cable.....x 1

4. Product controls & Usage

1. **Microphone Capsule:** Captures the speaker’s voice with clarity and sensitivity.
2. **Red LED Ring:** This LED displays the status of the Microphone.
3. **Gooseneck Arm:** Flexible and adjustable for positioning convenience.
4. **LED Indicator:** Shows operational status (ON/OFF).
5. **Mute Switch:** Used to activate or mute the microphone.
6. **Pop Filter:** Reduces plosive sounds and enhances clarity.



Connection and Setup:

1. Insert the 2 X 1.5V AAA batteries as per the marked polarity or use phantom supply.
2. Connect the microphone's fixed XLR connector to the input of an Audio Mixer or input of an Mixer amplifier.
3. Set the amplifier volume to the lowest position.
4. Turn on the microphone and the amplifier.
5. Gradually increase the volume to avoid feedback.
6. Maintain a distance of 2-8 cm from the microphone for optimal performance.

General Installation Guidelines:

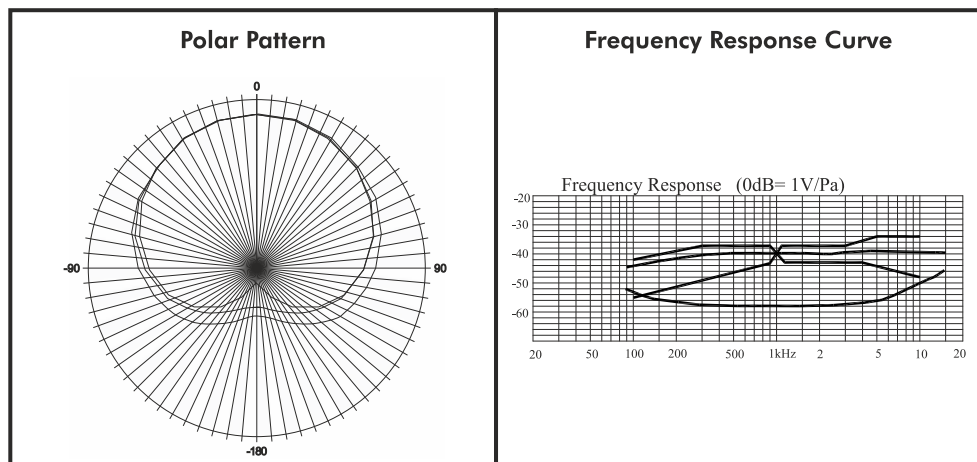
- Aim the microphone towards the desired sound source (e.g., the speaker).
- Keep the microphone away from loudspeakers to prevent noise interference.
- Use a pop filter to minimize plosive sounds and breathing noise.

Power Supply:

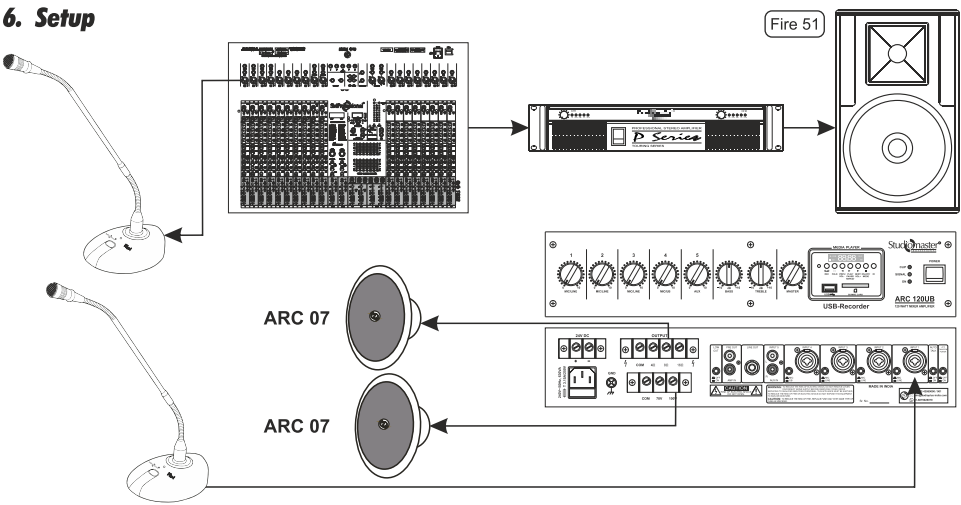
The FLEX 1 microphone supports two power supply options:

1. **Battery Operation:** Requires 2 X 1.5V AAA batteries to function.
 2. **Phantom Power Operation:** Use +48V phantom power from a mixer or an audio interface.
- ⚠ **Do not insert batteries when using phantom power.**
- ⚠ **Please switch ON the phantom supply on Audio Mixer while using +48V supply.**

5. Frequency Response Curve



6. Setup



7. Technical Specifications

Capsule Type	Electret condenser
Polar Pattern	Cardioid
Sensitivity	-43dB
Frequency Response	50Hz-17kHz
Output Impedance	680Ω
SPL	110dB, T.H.D<1%
S/N	> 70dB
Power	+48V Phantom Power/2 X 1.5V AAA Batteries
Connector	XLR

8. Product Care Instructions

- Do not drop the microphone, this could severely damage the product.
- Please keep this product away from direct sunshine & rain.
- Please disconnect from power supply when the product is not being used for a long time.
- Do not open any components yourself, for repairs please get in touch with your Studiomaster Professional retailer.
- Please read the owner manual before using this product.

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