

TAKSTAR®
SM20
Professional
Recording
Microphone



TAKSTAR SM20 Professional Recording Microphone User Manual

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TAKSTAR®

TAKSTAR SM20 Professional Recording Microphone



Specifications

- Model: SM20
- Application: Vocal recording, professional recording, live streaming, instrument recording
- Power Requirement: 48V Phantom Power
- Connector: XLRM 3-pin

Product Usage Instructions

Attaching the Microphone

Attach the shock mount to the mic stand or boom arm, securing it with the locking knob. Position the top facing up and the bottom nut down to prevent the mic from falling.

Positioning the Microphone

Align the front of the mic (marked SM20 and polar pattern) with the sound source, place it in the shock mount, and tighten the bottom nut securely.

Installing the Pop Filter

Install the included pop filter onto the shock mount as illustrated.

Connecting to Power Supply

For devices with 48V supply: Use Male/Female XLR Cable to connect to Audio Interface at the front. For devices without 48V supply: Connect to Audio Interface at the rear using Female XLR to 3.5mm Audio Cable and provide power using 48V Phantom Power Male/Female XLR Cable.

Cable Management and Power On

Secure the connecting cable to the stand or boom arm, leaving a loop at the mic position for shock isolation. Set device volume low before turning on the phantom power. Gradually increase volume to avoid damaging speakers. Maintain distance between the mic and speakers without pointing them towards each other to control feedback.

Mic Output Connection

The mic output features a three-pin XLRM connector. Pin configuration is illustrated as shown.

Safety Instructions

This device is compliant with the limits of the European Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility according to RL2004/108/EG and European Low Voltage

Preface

Dear Customer,

- Thanks for purchasing our product. Read this manual thoroughly for proper use.
- If you have any questions or suggestions, please contact our local sales service.

Features

- Ø26mm Gold-sputtered Diaphragm: Wide dynamic range and fast response.
- Broad Frequency Response: Captures subtle sound nuances.
- Optimized Circuitry: Excellent signal-to-noise ratio for clearer audio.
- High Sound Pressure Level: Ideal for vocals and instruments.
- Zinc Alloy Body: Elegant champagne gold finish with EMI shielding.
- Shock Mount: Rubber suspension enhances stability, reduces vibrations.
- Dual-layer Metal Pop Filter: Minimizes plosive and air noise.

Applications

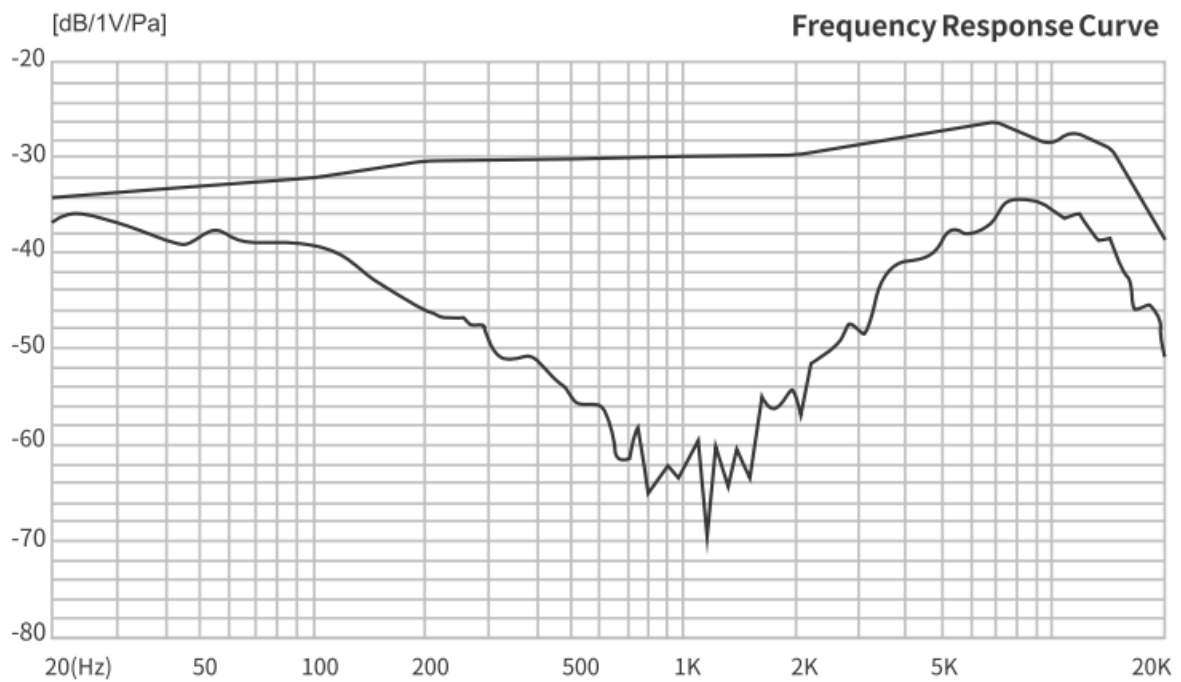
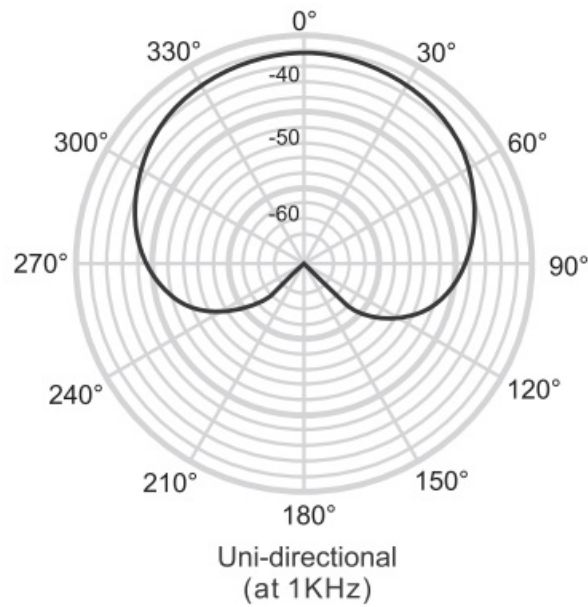
- Vocal recording, professional recording, live streaming, instrument recording.

Package Contents

- 1 × Microphone
- 1 × Shock Mount
- 1 × User Manual
- 1 × Pop Filter
- 1 × Windscreen
- 1 × 3m XLR Cable Male to Female
- 2 × Rubber Band

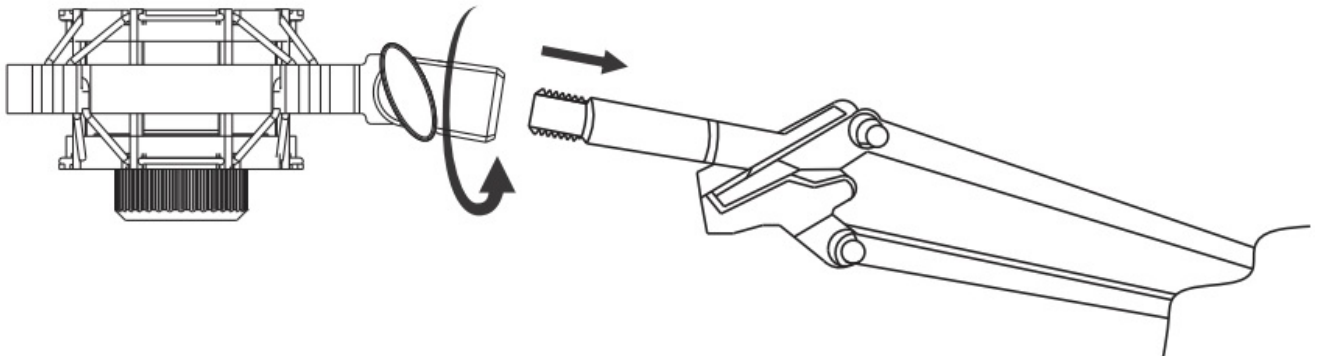
Specifications

- **Capsule:** Ø26mm gold-sputtered diaphragm condenser
- **Polar Pattern:** Cardioid
- **Frequency Response:** 20Hz – 20kHz
- **Sensitivity:** -32dB ±3dB (0dB=1V/Pa at 1kHz)
- **Equivalent Noise Level:** ≤20dBA (IEC 581-5)
- **Maximum SPL:** 130dB (THD ≤1% at 1kHz)
- **Output Impedance:** 100Ω ±30% (at 1kHz)
- **Operating Voltage:** 48V Phantom Power
- **Dimensions:** 157 * 55 * 38 mm
- **Weight:** Approx. 323g

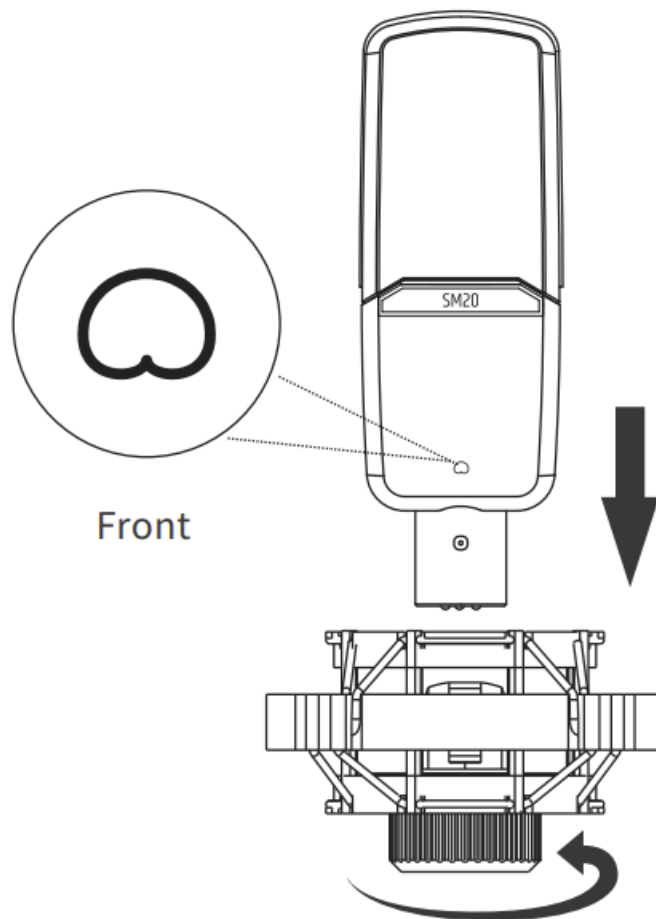


Operating Instructions

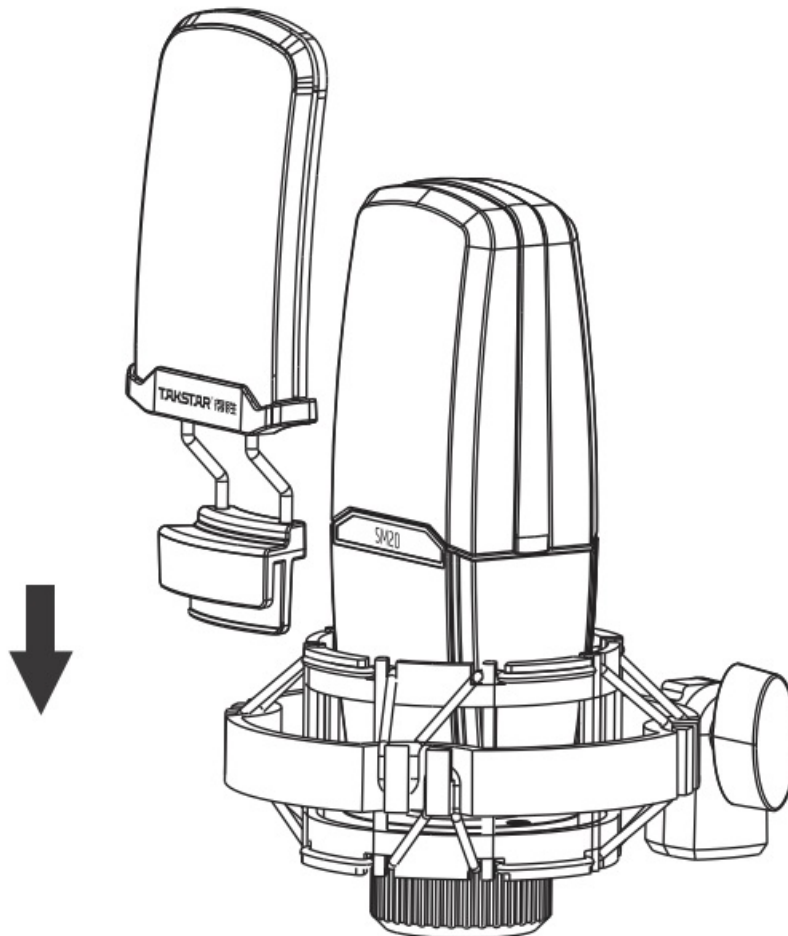
1. Attach the shock mount to the mic stand or boom arm, securing it with the locking knob. Position the top facing up and the bottom nut down to prevent the mic from falling.



2. Align the front of the mic (marked "SM20" and polar pattern) with the sound source, place it in the shock mount, and tighten the bottom nut securely.



3. Install the included pop filter onto the shock mount as illustrated.

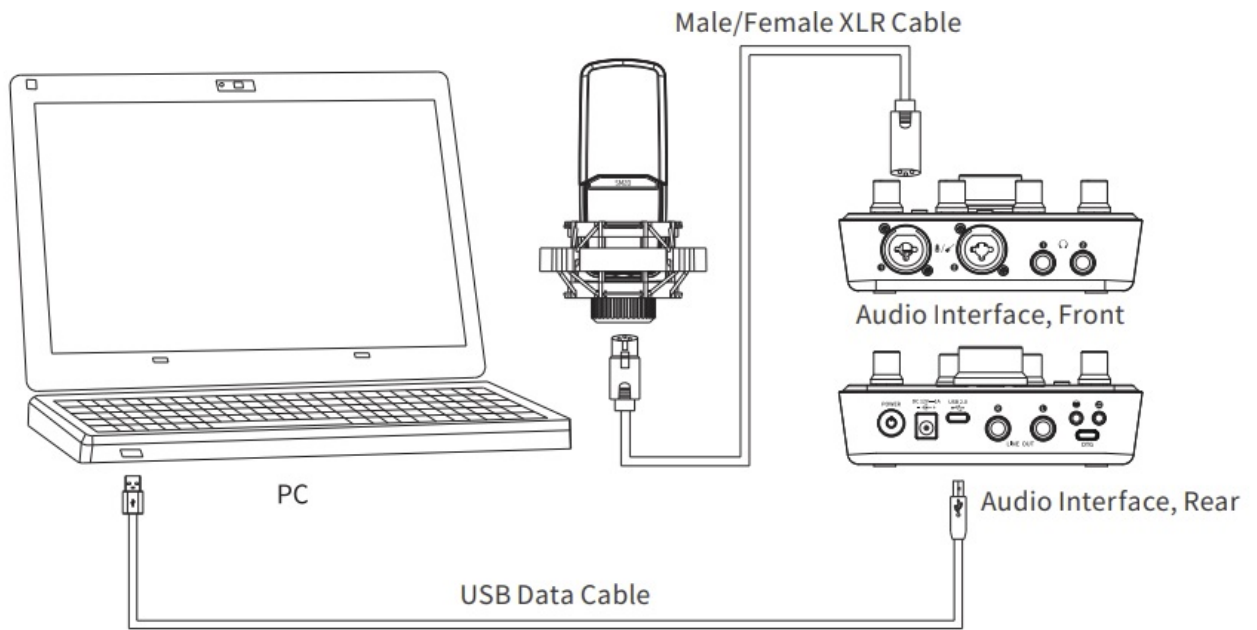


Note: The pop filter and windscreen are interchangeable; use one at a time. The pop filter maintains sound fidelity, while the windscreen offers better saliva protection but may affect mic aesthetics and slightly alter sound quality.

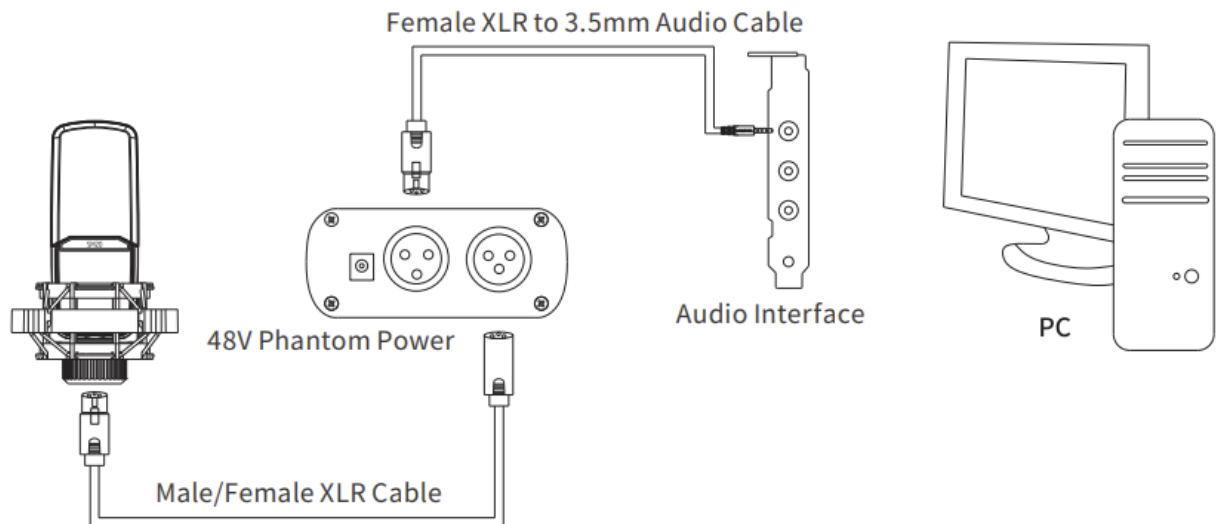
4. Connect the mic to an audio device (e.g., audio interface, mixer, power amp) with a 48V phantom power supply using the included XLR cable. If the device lacks phantom power, purchase a separate supply.

Note: Required phantom power specs: DC 48V \pm 4V / 2.8mA \pm 20%

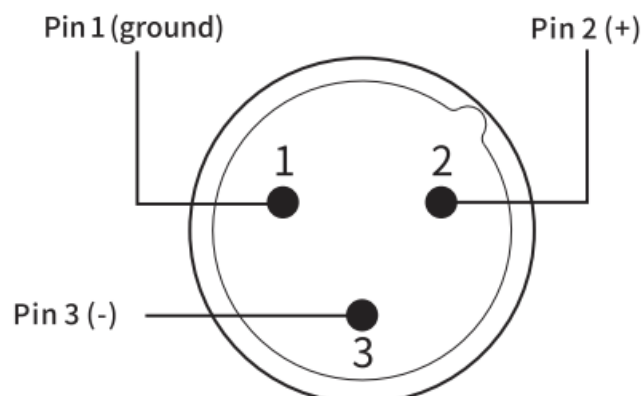
1. For devices with 48V supply:



2. For devices without 48V supply:



5. Secure the connecting cable to the stand or boom arm, leaving a loop at the mic position for shock isolation.
6. Set device volume low before turning on the phantom power. Gradually increase volume to avoid damaging speakers. Maintain distance between the mic and speakers without pointing them towards each other to control feedback.
7. The mic output features a three-pin XLRM connector. Pin configuration is illustrated as shown:



Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local dealer for repair.
3. Please use the provided power adapter to charge this product. If you need to use a different adapter, make sure to purchase one that is CCC certified and meets the required standards.
4. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local dealer.

Label Meanings



This device is compliant with the limits of the European Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility according to RL2004/108/EG and European Low Voltage Directive RL2006/95/EG.



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. Changes or modifications not expressly approved by the complying party may cause the user to lose permission to operate the device. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
 1. This device may not cause harmful interference, and
 2. This device must accept any interference received, including interference that may cause undesired operation.



■ This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/ 19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

About This Manual

- This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>
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Scan for more product information

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FAQs

Q: What should I do if I experience feedback when using the microphone?




A: Maintain distance between the mic and speakers without pointing them towards each other to control feedback.

Adjust volume levels gradually to avoid feedback issues.

Documents / Resources

 <p>TAKSTAR 得胜</p> <p>SM20 专业录音麦克风</p> <p>使用手册 (User Manual)</p>	<p>TAKSTAR SM20 Professional Recording Microphone [pdf] User Manual</p> <p>400, 6828, 333, SM20 Professional Recording Microphone, SM20, Professional Recording Microphone, Recording Microphone, Microphone</p>
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References

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- [User Manual](#)

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