Turnstile Audio TASC700

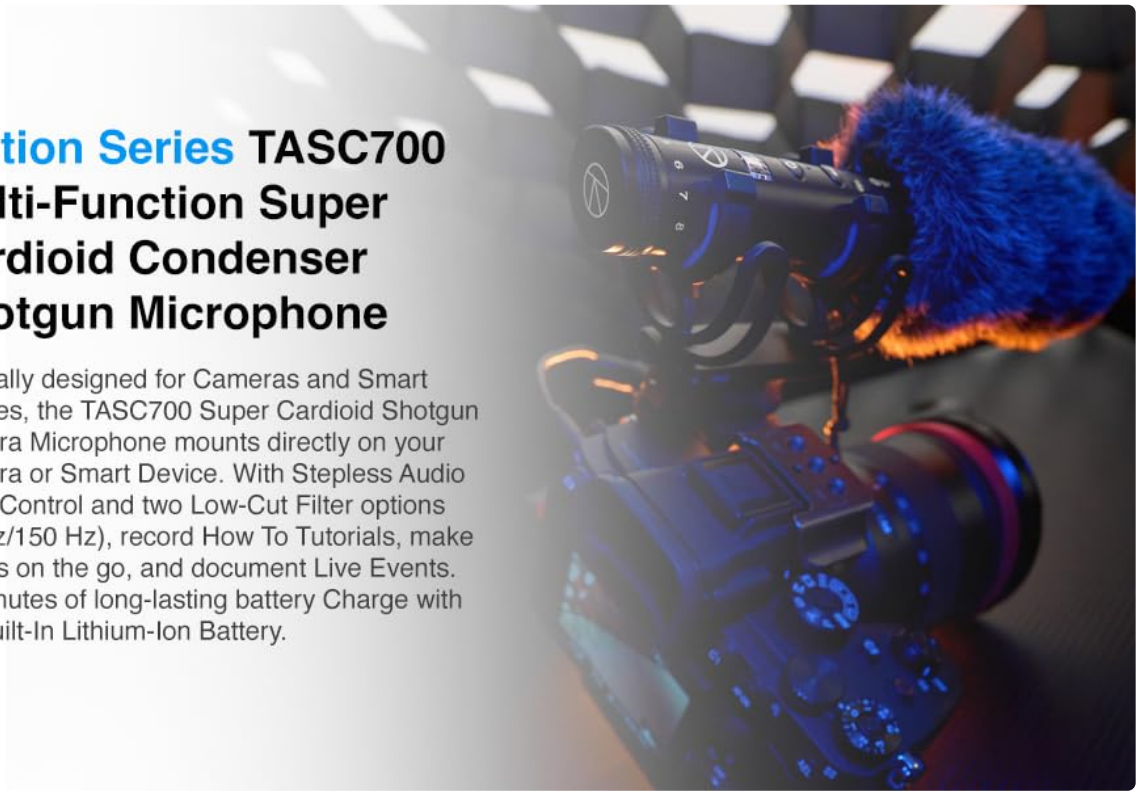
Turnstile Audio Station Series TASC700

Super Cardioid Condenser Shotgun Microphone User Manual

1. Product Overview

The Turnstile Audio Station Series TASC700 is a multi-function super cardioid condenser shotgun microphone designed for high-quality audio capture with cameras, smartphones, tablets, and laptops. It features a super-cardioid polar pattern to focus directly on the sound source, optimizing dialogue pickup with a natural built-in boost. The microphone includes stepless gain control, 75 Hz and 150 Hz low-cut filter options to reduce rumble and noise, and comes with various adapters for broad compatibility.

Equipped with a built-in lithium-ion battery, the TASC700 provides up to 60 minutes of recording time on the go. The included cold shoe shock mount prevents handling noise, and a windsocks and windscreen are provided to minimize external noise. A protective carry case keeps the microphone and its accessories safe and organized.



The Turnstile Audio TASC700 Shotgun Microphone, designed for versatile audio recording.

2. What's in the Box

Please verify that all items listed below are included in your package:

- TASC700 Microphone
- Shock Mount
- Windscreen (foam)
- Windsock (furry)
- Charging Cable (USB-A to USB-C)
- 3.5mm TRS to TRS Audio Cable
- 3.5mm TRS to TRRS Audio Cable
- 3.5mm to USB-C Adapter
- 3.5mm to Lightning Adapter
- Carry Case

Contents of the TASC700 package, including the microphone, shock mount, cables, and adapters within the carry case.

3. Setup

1. **Attach the Shock Mount:** Slide the TASC700 microphone into the provided shock mount. Ensure it is securely seated to minimize handling noise. The shock mount can then be attached to a camera's cold shoe or a tripod via its 1/4-inch thread.
2. **Connect to Device:**

- **For DSLR/Mirrorless Cameras:** Use the 3.5mm TRS to TRS audio cable. Connect one end to the microphone's 3.5mm output and the other end to your camera's microphone input.
- **For Smartphones/Tablets (with 3.5mm jack):** Use the 3.5mm TRS to TRRS audio cable. Connect the TRS end to the microphone and the TRRS end to your device's headphone/microphone jack.
- **For Smartphones/Tablets (USB-C or Lightning):** Use the appropriate 3.5mm to USB-C or 3.5mm to Lightning adapter with the 3.5mm TRS to TRRS audio cable. Connect the TRS end to the microphone, the TRRS end to the adapter, and the adapter to your device's port.
- **For Laptops:** Depending on your laptop's ports, use either the 3.5mm TRS to TRRS cable (for combined headphone/mic jack) or the 3.5mm TRS to TRS cable (for dedicated mic input). For USB-C only laptops, use the 3.5mm to USB-C adapter.

3. **Power On:** Press and hold the power button on the microphone until the indicator light illuminates.
4. **Charging:** Before first use, fully charge the microphone using the provided USB-A to USB-C charging cable. Connect the USB-C end to the microphone's charging port and the USB-A end to a standard USB power adapter (not included). The charging indicator will show charging status.

The TASC700 microphone securely mounted in its shock mount.

4. Operating Instructions

4.1 Power On/Off

To power on the microphone, press and hold the power button for approximately 2 seconds until the indicator light turns on. To power off, press and hold the power button again for 2 seconds until the light turns off.

4.2 Gain Control

The TASC700 features a stepless gain control dial. Rotate the dial to adjust the audio input level. Turn clockwise to increase gain and counter-clockwise to decrease gain. Monitor your device's audio levels to prevent clipping or distortion.

4.3 Low-Cut Filter

The microphone includes two low-cut filter options: 75 Hz and 150 Hz. These filters help reduce low-frequency rumble, wind noise, or other unwanted background sounds. Use the dedicated switch to select between OFF, 75 Hz, or 150 Hz depending on your recording environment.

4.4 Polar Pattern: Super Cardioid

The TASC700 utilizes a super-cardioid polar pattern, which is highly directional. This means it primarily picks up sound from directly in front of the microphone, significantly reducing sound from the sides and rear. This pattern is ideal for isolating a specific sound source, such as a speaker or instrument, in noisy environments.

Polar Pattern	Direction of Sound	Application	Miking Technique
 Super Cardioid	Sound is picked up primarily from the front of the microphone, with significant rejection from the sides and rear.	Best for podcasts, live streaming, voice-overs, vocals, and single instruments where sound isolation is crucial.	Close miking or single source miking with the Super Cardioid pattern.

4.5 Using Windscreens/Windsocks

For indoor use or light breeze, the foam windscreen can be slid over the microphone head to reduce plosives and minor wind noise. For outdoor recording or windy conditions, use the furry windsock over the foam windscreen for maximum wind noise reduction.

The TASC700 microphone with its foam windscreen installed.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the microphone and its accessories in the provided carry case to protect them from dust, moisture, and physical damage.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Recharge the

microphone regularly, especially if it will be stored for extended periods.

- **Environmental Conditions:** Avoid exposing the microphone to extreme temperatures, high humidity, or direct sunlight.

6. Troubleshooting

- **No Sound Output:**
  - Ensure the microphone is powered on and fully charged.
  - Check all cable connections. Ensure the correct TRS/TRRS cable and adapters are used for your device.
  - Verify your device's audio input settings. Select the external microphone as the input source.
  - Adjust the microphone's gain control.
- **Distorted or Low Volume Sound:**
  - Adjust the microphone's gain control. If sound is distorted, lower the gain. If too low, increase it.
  - Check your device's input volume settings.
  - Ensure the microphone is positioned correctly towards the sound source, utilizing its super-cardioid pattern effectively.
  - Disable any active low-cut filters if they are not needed, as they can reduce overall bass response.
- **Excessive Background Noise:**
  - Engage the 75 Hz or 150 Hz low-cut filter to reduce rumble and low-frequency noise.
  - Use the foam windscreen or furry windsock, especially in outdoor or windy conditions.
  - Ensure the shock mount is properly installed to minimize handling noise.
  - Position the microphone closer to the desired sound source and further from unwanted noise sources, leveraging its super-cardioid pattern.

7. Specifications

- **Model:** TASC700
- **Microphone Type:** Super Cardioid Condenser Shotgun Microphone
- **Compatible Devices:** Camera, Laptop, Tablets, Smartphones
- **Connector Type:** 3.5 mm Jack, USB (via adapters)
- **Power Source:** Battery Powered (Built-in Lithium-ion)
- **Low-Cut Filter:** 75 Hz / 150 Hz
- **Gain Control:** Stepless
- **Battery Life:** Approximately 60 minutes recording time

8. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official Turnstile Audio website. Keep your proof of purchase for warranty claims.