



Mic Stereo Bar

with Angle Adjustment

STBAR-9

Owner's Manual



Thank you for choosing Auray.

The Auray STBAR-9 is a solution for capturing stereo sound in the field and studio. Use this stereo bar to quickly set two microphones in a stereo configuration on a single mic stand. Diagrams engraved into the center of the bar indicate the precise angle measurements for A-B, X-Y, and ORTF configurations. Spacers are included to keep mics separated for stacked arrays. The bar sits on a 5/8-inch base that can adjust pan, tilt, and swivel for optimum mic placement. The dual 3/8-inch mounting threads are compatible with mic clips and shock mounts, so you can capture sound with the microphones of your choice.

Precautions

- Keep this manual in a safe place for future reference.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Auray will not be responsible for any damage.
- Handle the unit with care.
- Make sure everything is secure before proceeding.
- Make sure the item is intact and that there are no missing parts.
- All images are for illustrative purposes only.

Overview

Stereo bar **1**

Thumbscrew **2**

Mic spacer **3**

3/8-16 thread **4**

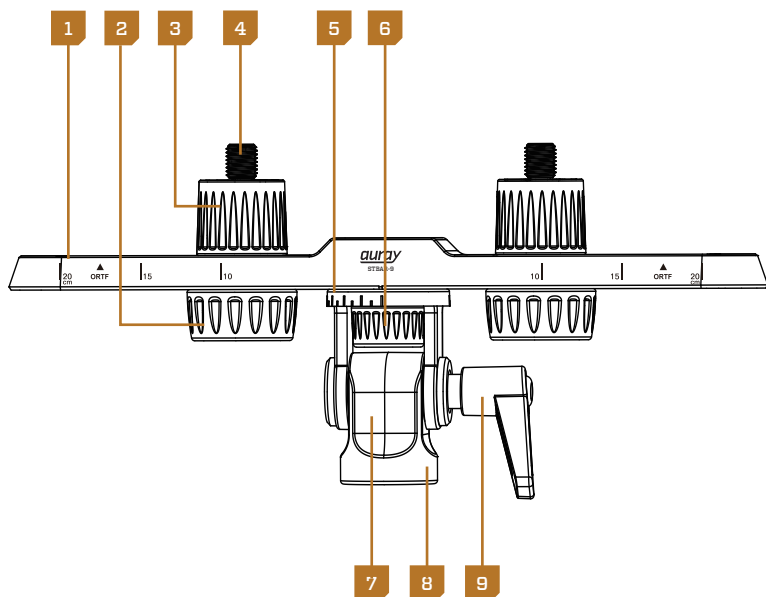
Pan rotation scale **5**

Pan lock **6**

Tilting base **7**

5/8-27 thread **8**

Tilt lock **9**



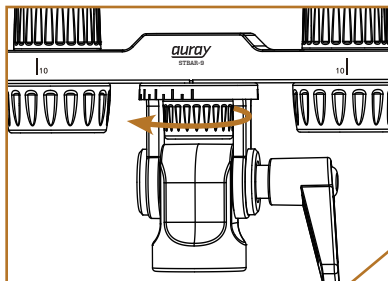
Positioning the Bar

Once the stereo bar is mounted to a mic stand, adjust the pan, swivel, and tilt for optimum mic placement.

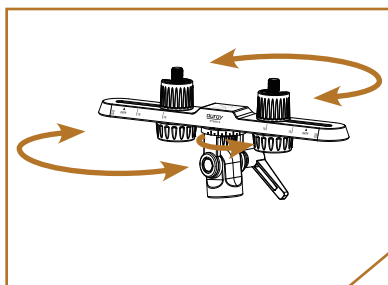
Pan

The stereo bar can be panned a full 360°.

1. Loosen the pan lock.



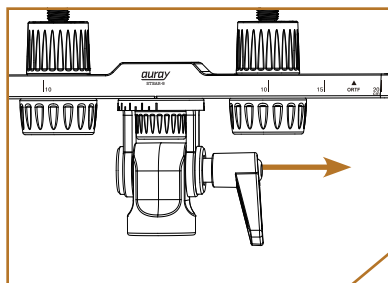
2. Turn the bar to the desired position, then tighten the pan lock until secure.



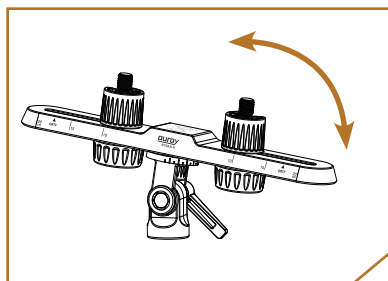
Tilt

The stereo bar can tilt $\pm 90^\circ$ for vertical and horizontal alignment of your microphones.

1. The tilt lock is a spring-loaded ratchet handle. If the bar prevents you from rotating the tilt lock, pull the handle out so it disengages.

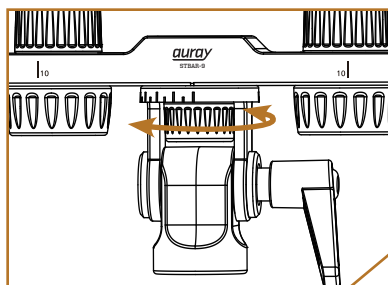


2. Reposition the handle, and release it so it reengages.

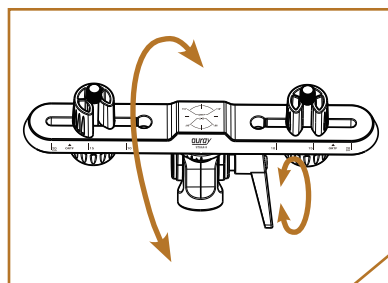


Swivel

1. Loosen the pan lock and turn the bar so the tilt lock is directly under the bar. Then tighten the pan lock until secure.



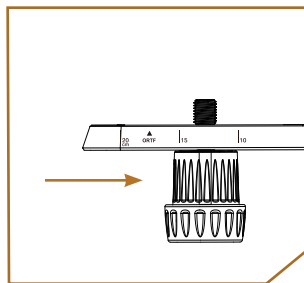
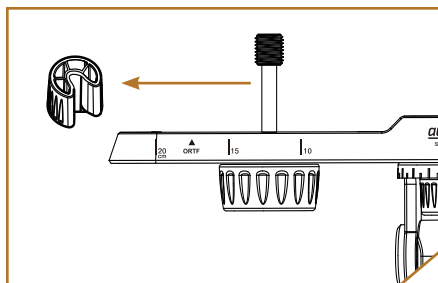
2. Loosen the tilt lock to change the up/down angle of the microphones. When the bar is at the desired angle, tighten the tilt lock until secure.



Microphone Spacers

The microphone spacers ensure the mics are stacked vertically when setting up an X-Y configuration.

Snap one of the spacers off the top of the thumbscrew, and snap it onto the screw beneath the stereo bar.



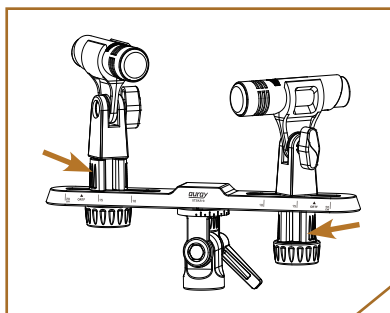
Microphone Configurations

X-Y

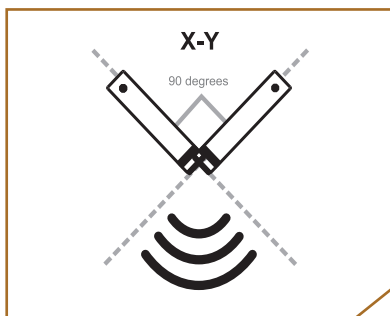
Use two matching small-diaphragm cardioid condensers. X-Y configuration delivers a clear stereo image with minimal phasing issues.

For the best X-Y results, place one microphone directly above the other, and at a 90° angle.

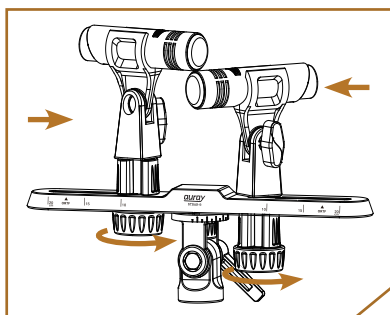
1. Place one spacer above the bar and one below the bar. Then attach your microphones.



2. Use the diagram on the bar to position the microphones facing inward at a 90° angle.



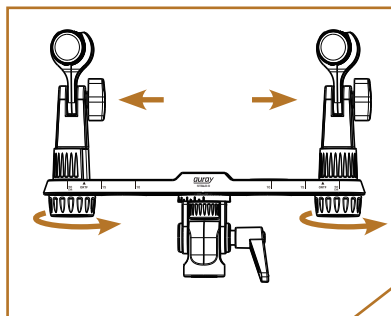
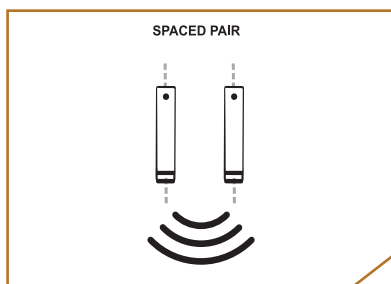
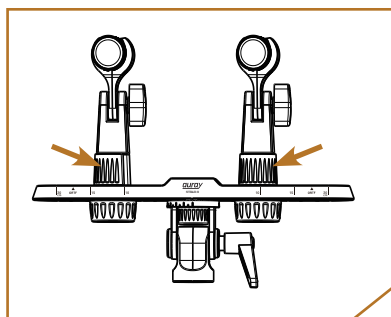
3. Slide the microphones together so one is directly above the other and tighten the thumbscrews until secure.



A-B

A/B mic configuration, or Spaced Stereo Pair, is a good stereo miking technique for choirs, orchestras, and drum kits. Use a matching pair of cardioid or omnidirectional microphones spaced apart, but parallel, to each other. The STBAR-9 allows you to spread the microphones up to 20 cm apart.

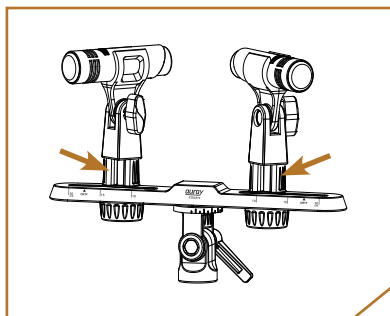
1. Place the spacers below both microphones.
2. Use the diagram at the center of the bar and face the mics directly forward, parallel to each other.
3. Move the microphones apart to the most effective distance to capture the sound field. Then tighten the thumbscrews until secure.



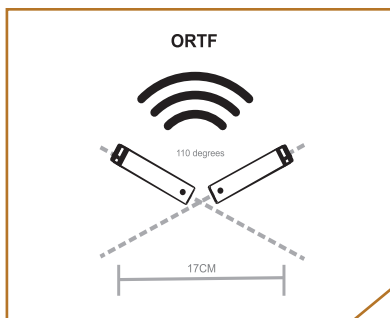
ORTF

ORTF configuration is designed to mimic human hearing. This setup requires two matching cardioid microphones, and it delivers a wider stereo field than X-Y technique, without losing the center of the sound field.

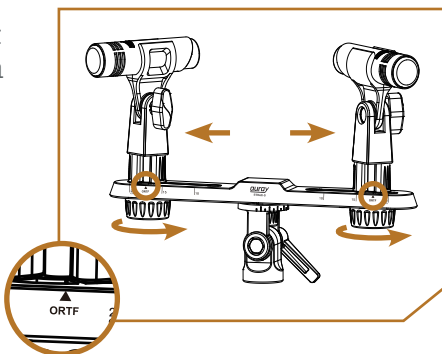
1. Place the spacers below both microphones.



2. Use the diagram on the bar to face your microphones outward to form a 110° angle.



3. Position the mikes at the ORTF markers on the bar. Then tighten the thumbscrews until secure.



Specifications

Mounts: 3/8-16 (×2)

Material: Metal, ABS

Spacing: 3.5 to 7.9 in (9 to 20 cm)

Pan: 90°

Tilt: 180°

Swivel: 180°

Dimensions (H × W): 9.3 × 1.25 × 2.75 in. (23.6 × 3.2 × 7 cm)

Weight: 7.25 oz. (206 g)

One-Year Limited Warranty

This Auray product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Auray Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Auray along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.aurayaudio.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.

www.gradusgroup.com

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