

Shangyoyi BV01

Shangyoyi 2-in-1 Bench Vise Instruction Manual

Model: BV01

1. SAFETY INFORMATION

Always read and understand all instructions before operating this tool. Failure to follow all instructions may result in serious injury.

- **Wear Eye Protection:** Always wear ANSI-approved safety goggles or safety glasses with side shields when operating or working near the vise.
- **Secure Workpiece:** Ensure the workpiece is firmly clamped in the vise jaws before performing any work. A loose workpiece can become a projectile.
- **Do Not Overtighten:** Do not apply excessive force to the vise handle. Overtightening can damage the vise or the workpiece.
- **Stable Mounting:** Ensure the vise is securely mounted to a stable workbench or table. Check the mounting regularly for tightness.
- **Keep Hands Clear:** Keep hands and fingers away from moving parts, especially the jaws, during operation.
- **Use Correct Accessories:** Only use accessories and attachments recommended for this vise.
- **Inspect Before Use:** Before each use, inspect the vise for any damage, loose parts, or wear. Do not use a damaged vise.

2. PRODUCT OVERVIEW

The Shangyoyi 2-in-1 Bench Vise (Model BV01) is a versatile tool designed for securing workpieces during various tasks such as woodworking, cutting, drilling, and metalworking. It offers two primary mounting options: fixed installation on a workbench or temporary clamp-on attachment to a table. The vise features a 360-degree swivel base for flexible positioning.

Key Features:

- **2-in-1 Design:** Can be permanently fixed to a workbench or temporarily clamped onto a table.
- **Durable Construction:** Made from cast steel for toughness and impact resistance.
- **360° Swivel Base:** Allows for optimal positioning of the workpiece.
- **Upgraded Jaws:** Non-slip jaws with built-in texture and special screw clamp slot for secure gripping.

- **Protective Covers:** Includes rubber covers to protect delicate workpieces and the workbench surface.

Components Diagram:

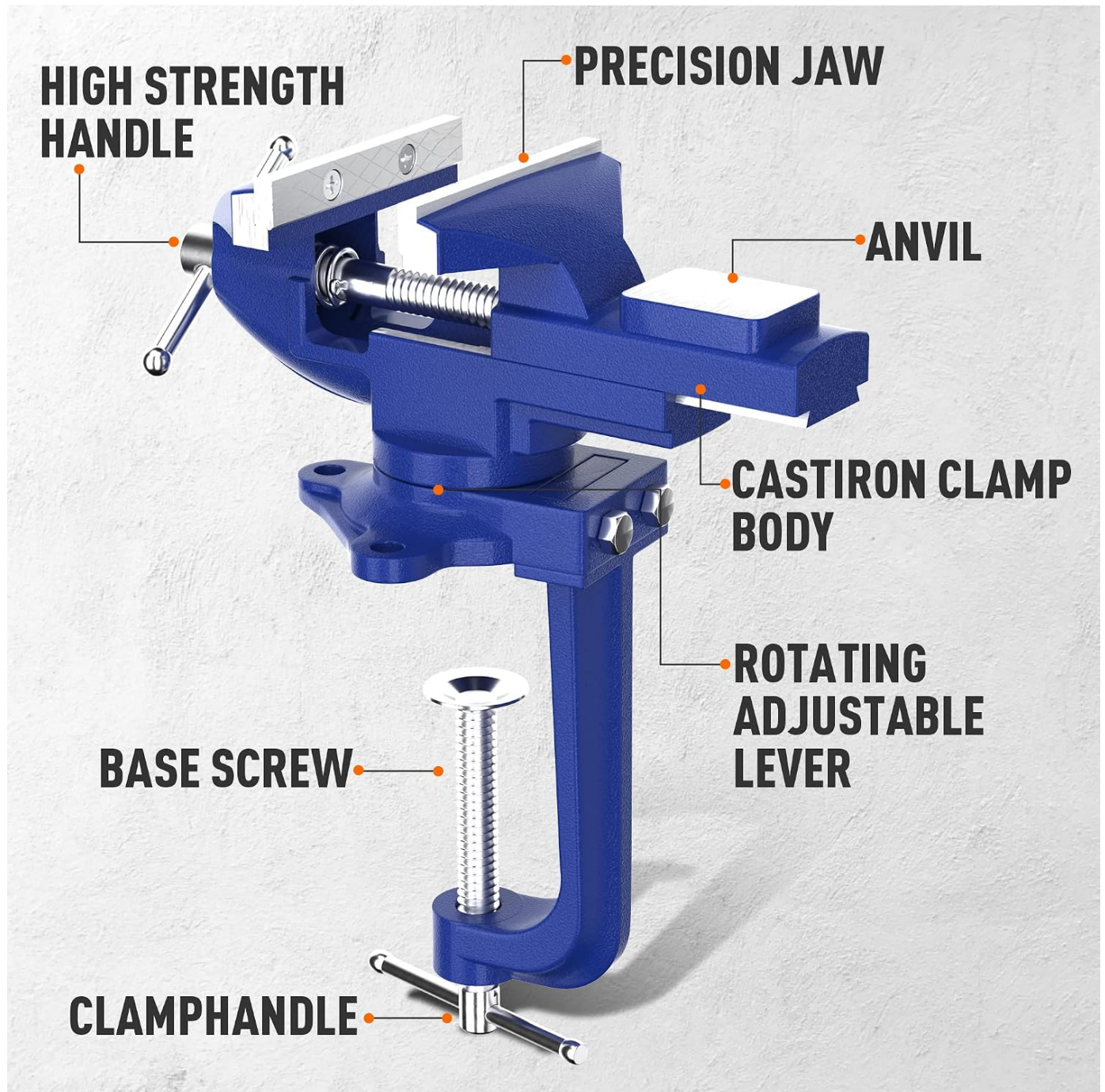


Figure 2.1: Labeled components of the vise, including the high-strength handle, precision jaw, anvil, cast iron clamp body, rotating adjustable lever, base screw, and clamp handle.

Swivel Base:

360° SWIVEL BASE

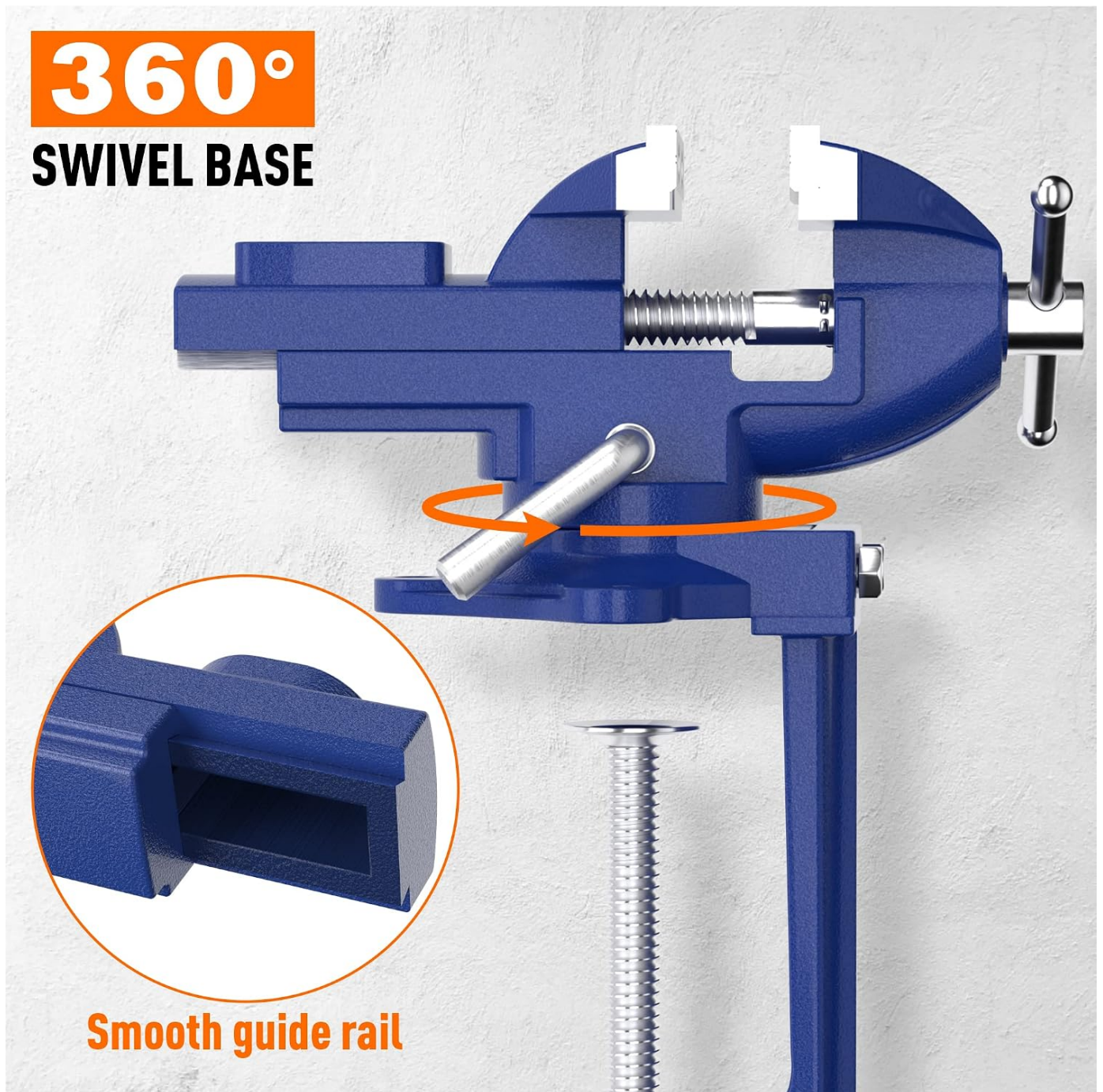


Figure 2.2: The vise features a 360-degree swivel base for flexible positioning. An inset shows the smooth guide rail.

3. SETUP

The Shangyoyi 2-in-1 Bench Vise offers two installation methods: fixed mounting to a workbench or temporary clamp-on mounting.

3.1 Fixed Mounting (Permanent Installation)

1. Position the vise on your workbench at the desired location.
2. Mark the locations for drilling holes through the base of the vise.
3. Drill appropriate pilot holes into the workbench.
4. Secure the vise to the workbench using suitable bolts, washers, and nuts (not included). Ensure all fasteners are tightened securely.

3.2 Clamp-On Mounting (Temporary Installation)

1. Ensure the workbench or table edge is clean and free of obstructions.
2. Attach the clamp mechanism to the vise body.
3. Position the vise on the edge of your workbench or table.
4. Turn the clamp handle clockwise to tighten the vise securely to the surface. Ensure the clamp foot makes full contact and the vise is stable before use.



Figure 3.1: The 2-in-1 vise can be installed permanently on a workbench or clamped temporarily to a table.

Meet Different Daily Need



Figure 3.2: Step-by-step visual guide for clamp-on installation, including installing rubber pads, fixing to the workbench, adjusting the turntable, and opening the jaw width.

Setup Demonstration Video:

Video 3.1: This video demonstrates the installation and basic use of the bench vise on a workbench.

4. OPERATING INSTRUCTIONS

4.1 Securing a Workpiece

1. Turn the vise handle counter-clockwise to open the jaws to a width slightly larger than your workpiece.
2. Place the workpiece between the jaws.
3. Turn the vise handle clockwise to close the jaws until the workpiece is held firmly. Do not overtighten.

4.2 Using the 360° Swivel Base

1. Loosen the rotating adjustable lever located at the base of the vise.
2. Rotate the vise body to the desired angle.
3. Tighten the rotating adjustable lever firmly to secure the vise in position.

4.3 Using Protective Jaw Covers

The vise includes rubber jaw covers to protect delicate materials from marring or damage. Simply place these covers over the metal jaws before clamping your workpiece.



Figure 4.1: The vise securely holds a workpiece during metalworking tasks.

PROTECTIVE COVER

Also could be put the rubber cover into the vise jaw and base to protect the handicraft and workbench



Figure 4.2: The vise jaws are designed to securely hold various shapes, including cylindrical objects like pipes.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Shangyoyi Bench Vise.

- **Cleaning:** After each use, clean the vise to remove any debris, dust, or metal shavings. Use a brush or compressed air.
- **Lubrication:** Periodically apply a light coat of machine oil or grease to the main screw and guide rails to ensure smooth operation.
- **Inspection:** Regularly check all bolts and fasteners for tightness. Inspect the jaws and body for any signs of wear, cracks, or damage. Replace worn or damaged parts immediately.
- **Storage:** Store the vise in a dry environment to prevent rust.

6. TROUBLESHOOTING

- **Jaws are difficult to open/close:**
Solution: Apply lubricant to the main screw and guide rails. Check for any debris obstructing the movement.
- **Vise feels unstable when clamped:**
Solution: Ensure the clamp handle is fully tightened. Verify that the workbench or table surface is sturdy and the clamp foot has full contact.
- **Workpiece slips in jaws:**
Solution: Ensure the jaws are clean and free of oil or grease. Use the protective rubber jaw covers for delicate or slippery materials. Ensure the workpiece is properly seated and the jaws are tightened sufficiently.
- **Loose components or excessive play:**
Solution: Inspect all bolts and fasteners. Tighten any loose connections. If a bolt hole appears stripped or damaged, professional repair or replacement may be necessary.

7. SPECIFICATIONS

Feature	Specification
Model Number	BV01
Material	Cast Steel
Jaw Opening (Max)	3 inches
Jaw Width	3.2 inches
Max Clamp Workbench Thickness	4 inches
Item Dimensions (L x W x H)	4.7 x 4.5 x 6.8 inches
Item Weight	1.87 Kilograms (approx. 4.12 lbs)
Tensile Strength	40,000 PSI
Color	Blue

Dimensions Diagram:

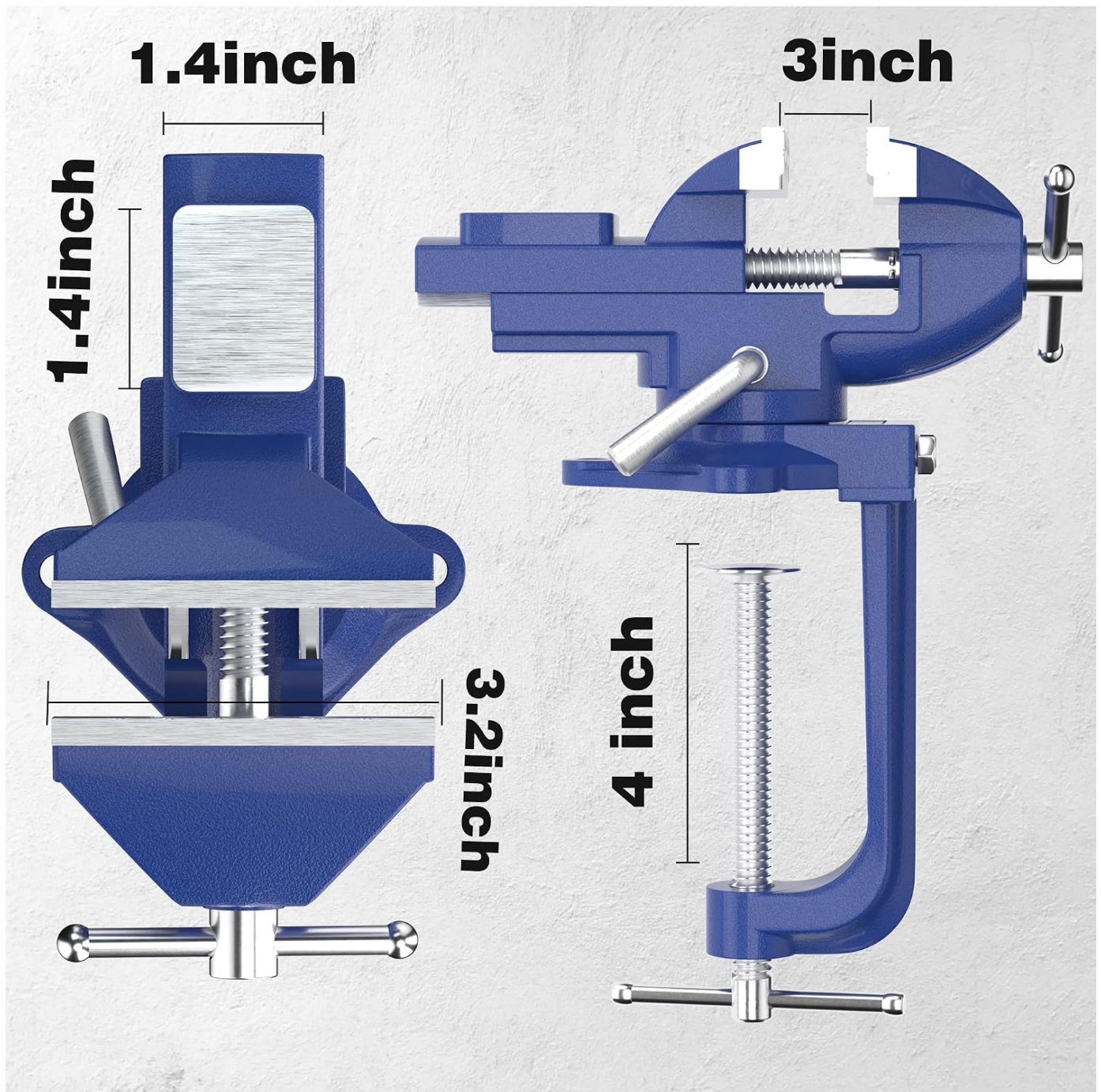


Figure 7.1: Key dimensions of the Shangyoyi 2-in-1 Bench Vise.

8. WARRANTY AND SUPPORT

Shangyoyi is committed to providing high-quality products and customer satisfaction. If you encounter any issues or have questions regarding your 2-in-1 Bench Vise, please contact our customer support team.

We offer a refund or exchange service for any dissatisfaction with the product. Please refer to your purchase documentation for specific warranty terms and contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question