

CATIGA CS-121

CATIGA CS-121 Scientific Calculator User Manual

Model: CS-121

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1. INTRODUCTION

This manual provides detailed instructions for the CATIGA CS-121 Scientific Calculator with Graphic Functions. Designed for a wide range of academic and professional applications, this calculator offers an intuitive interface and powerful capabilities for various mathematical and scientific computations. Please read this manual thoroughly to understand all features and ensure optimal performance.

2.2. Initial Power On

Press the **ON** button located on the upper right side of the keypad to power on the calculator. The display will show the initial screen.



Image 2.1: The CATIGA CS-121 calculator with its protective slide cover.

3. OPERATING INSTRUCTIONS

3.1. Basic Operations

Perform standard arithmetic operations using the number keys and operators ($+$, $-$, $\times$, $\div$). Press $=$ to get the result.

3.2. Display Features

The calculator features a modern LCD, approximately 7x3.3 inches, capable of displaying graphs and equations simultaneously. This large display facilitates detailed calculations and corrections.

HUGE 3 INCH

DISPLAY

3.25 TIMES LARGER
Than Standard
Scientific Calculators

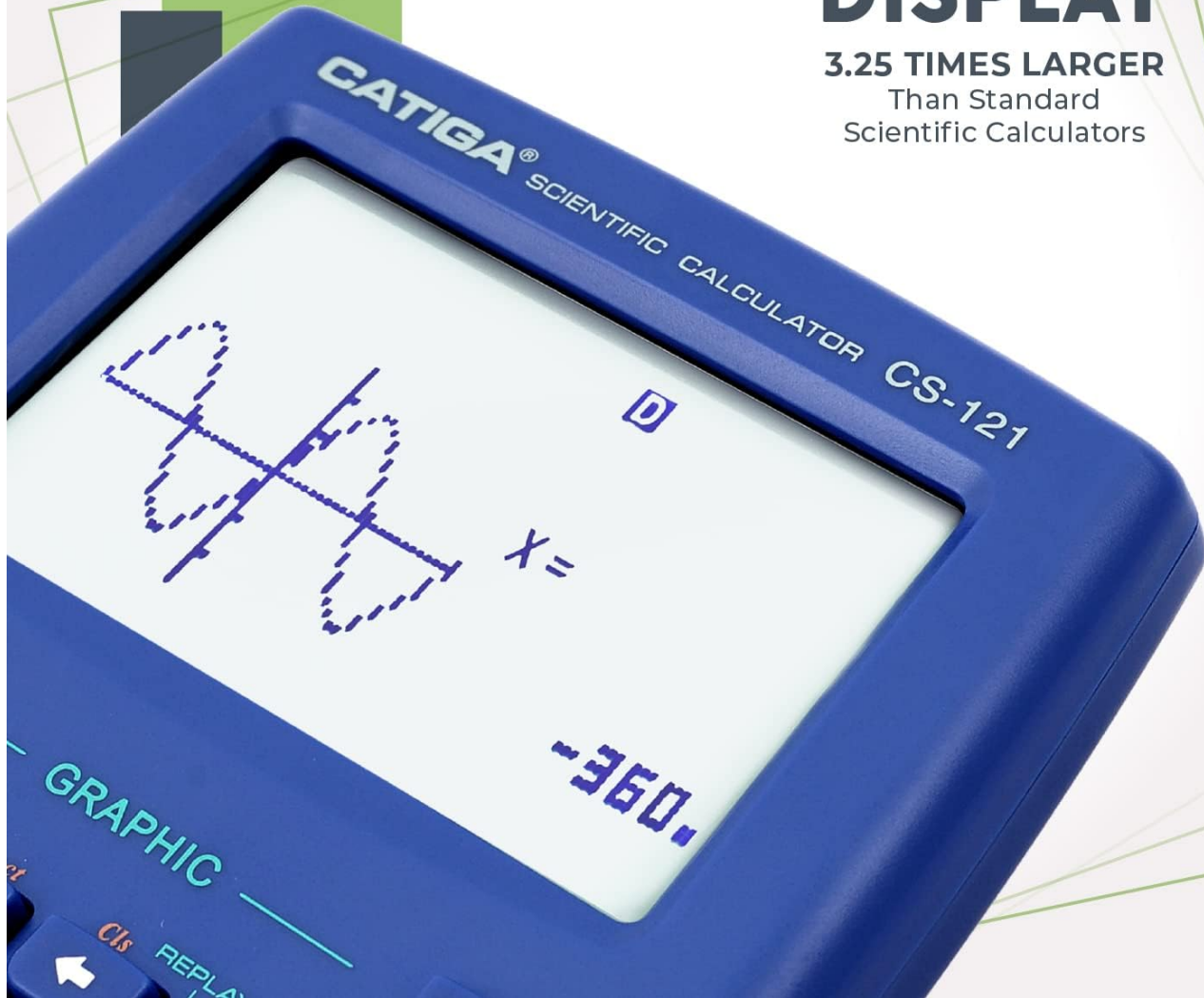


Image 3.1: Close-up of the calculator's 3-inch display.

3.3. Operating Modes

The CS-121 offers multiple operating modes to suit various calculation needs. Press the **MODE** button to cycle through or select different modes.

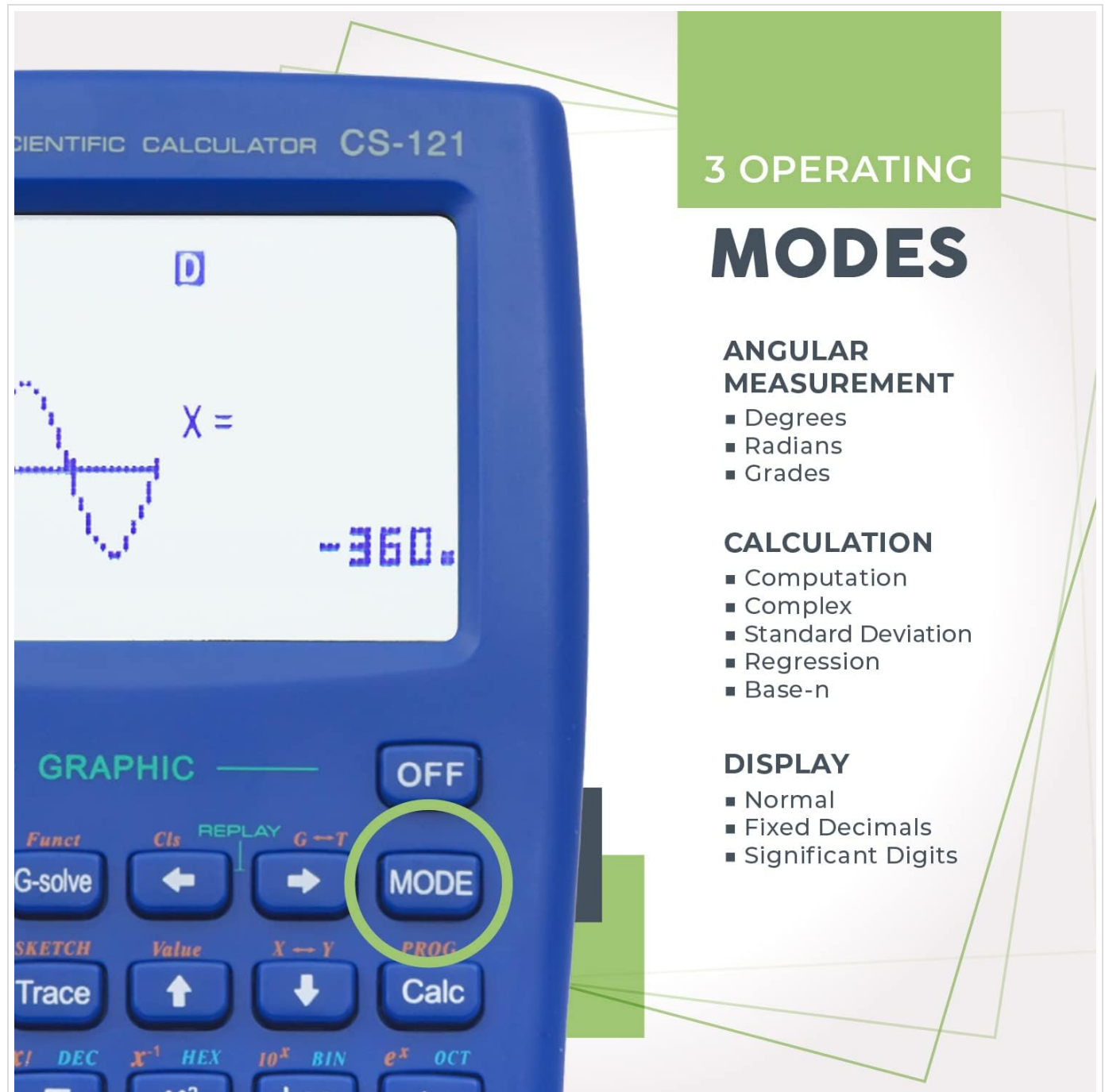


Image 3.2: Calculator display highlighting the MODE button and various operating modes.

- **Angular Measurement:** Select between Degrees, Radians, or Grads.
- **Calculation:** Options include Computation, Complex, Standard Deviation, Regression, and Base-n.
- **Display:** Adjust settings for Normal, Fixed Decimals, or Significant Digits.

3.4. Key Functions

Familiarize yourself with the special function keys:

- **SHIFT:** Accesses the secondary functions printed above the keys in yellow.
- **ALPHA:** Accesses the alpha characters and variables printed above the keys in red.
- **GRAPHIC:** Activates graphic functions.
- **OFF:** Powers off the calculator (usually **SHIFT** + **AC**).
- **AC:** All Clear. Clears the current calculation or entry.
- **DEL:** Deletes the last entered character.

4. ADVANCED FUNCTIONS

The CS-121 is equipped with over 280 functions to support a wide array of mathematical and scientific tasks.

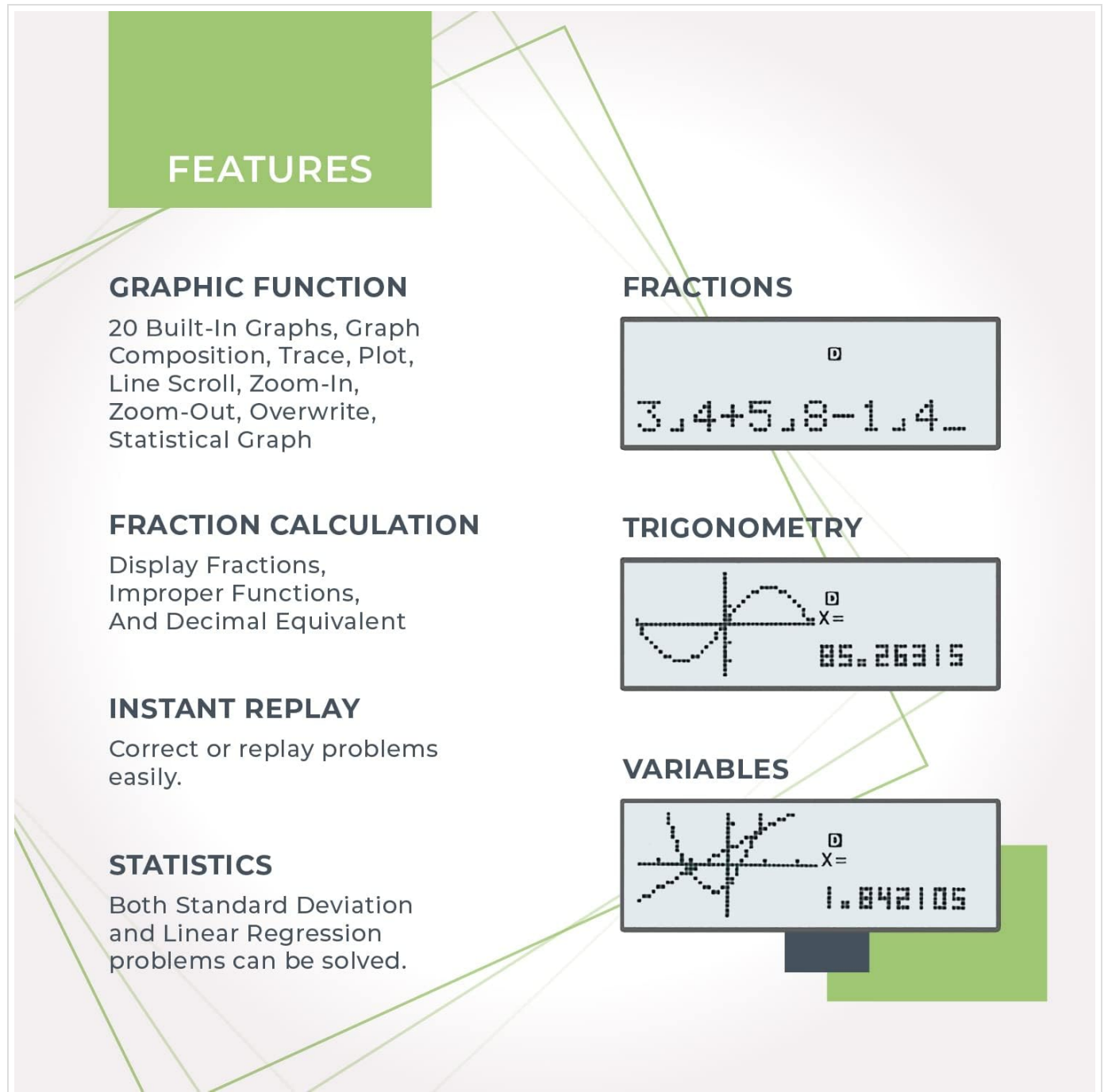


Image 4.1: Key features and functions of the CATIGA CS-121.

4.1. Graphic Functions

The calculator supports extensive graphic capabilities, including:

- 20 Built-In Graphs
- Graph Composition
- Trace, Plot, Line Scroll
- Zoom-In, Zoom-Out
- Overwrite
- Statistical Graph

4.2. Programmable System

The programmable system allows for efficient learning and problem-solving across all course levels, reducing the need for button memorization.

4.3. Comprehensive Functionality

The CS-121 covers a broad spectrum of mathematical concepts:

VERSATILE FUNCTION CAPABILITIES

- UTILITIES**
 - Equation Solver
 - 9 Variable Memories
- BASIC FUNCTIONS**
 - Trigonometry Functions
 - Hyperbolic and Inverse
 - Hyperbolic Functions
 - Exponential / Logarithmic
 - Power Functions
 - Fraction Calculations
 - Sexagesimal Functions
- ALGEBRA**
 - Calculation with $\sqrt{}/\pi$ Symbol
 - Including Simplifying Radicals
 - Simultaneous Equations
 - Polynomial Equations
 - Table Function
 - Complex Number Calculations
- GEOMETRY**
 - Coordinate Conversion
- PROBABILITY**
 - Permutation and Combination
- STATISTICS**
 - Statistical Calculations (Standard Deviation)
 - Statistical Calculations (Regression Analysis)

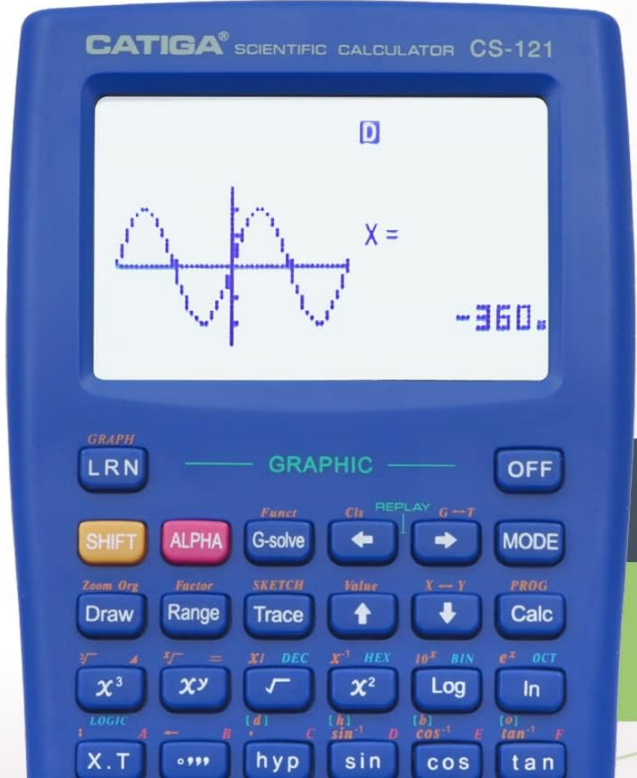


Image 4.2: Versatile function capabilities of the calculator.

- **Utilities:** Equation Solver, 9 Variable Memories.
- **Basic Functions:** Trigonometry, Hyperbolic and Inverse Hyperbolic, Exponential/Logarithmic, Power Functions, Fraction Calculations, Sexagesimal Functions.
- **Algebra:** Calculation with $\sqrt{}/\pi$ Symbol, Simplifying Radicals, Simultaneous Equations, Polynomial Equations, Table Function, Complex Number Calculations.
- **Geometry:** Coordinate Conversion.
- **Probability:** Permutation and Combination.

- **Statistics:** Statistical Calculations (Standard Deviation), Statistical Calculations (Regression Analysis).

5. MAINTENANCE

5.1. Cleaning

To clean the calculator, use a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water and gently wipe the surface. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the calculator's finish or internal components.

5.2. Storage

When not in use, store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. Always use the provided protective cover to prevent scratches to the display and keys.

5.3. Battery Replacement

If the display becomes dim or the calculator functions erratically, it may be time to replace the LR44 battery. Refer to Section 2.1 for battery installation instructions.

6. TROUBLESHOOTING

If you encounter issues with your CATIGA CS-121 calculator, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Calculator does not turn on.	Dead or incorrectly installed battery.	Check battery installation and replace if necessary (LR44).
Display is dim or blank.	Low battery power.	Replace the LR44 battery.
Incorrect calculation results.	Incorrect mode setting or entry error.	Verify the current operating mode (e.g., Degrees/Radians). Clear the entry and re-enter the calculation carefully.
Keys are unresponsive.	Dust or debris under keys, or internal issue.	Gently clean around the keys. If the problem persists, contact customer support.
Calculator freezes.	Temporary software glitch.	Remove and reinsert the battery to perform a hard reset. Note that this may clear memory.

7. SPECIFICATIONS

- **Model Number:** CS-121
- **Product Dimensions:** 7.12 x 4.5 x 0.8 inches
- **Item Weight:** 4.8 ounces
- **Power Source:** 1 LR44 battery (included)
- **Screen Size:** 3 inches (Visible screen diagonal: 3" / 8 cm)
- **Calculator Type:** Business, Engineering/Scientific, Graphing
- **Color:** Blue 2.0

- **Manufacturer:** CATIGA
- **Date First Available:** October 11, 2018

8. SUPPORT & WARRANTY

8.1. Customer Support

CATIGA is committed to providing excellent customer service. For any questions, technical assistance, or support needs, please contact our customer support team.



Image 8.1: CATIGA customer support and guarantee information.

- **24/7 Customer Support:** Assistance is available around the clock.
- **Lifetime Support:** Phone support is available from 9 AM to 5 PM PST.

8.2. Return Policy

Your purchase is backed by a **30-day unconditional return guarantee**. If you are not satisfied with your product within 30 days of purchase, you may return it for a refund or replacement.

8.3. Protection Plans

Extended protection plans are available for purchase to cover your device beyond the standard return period:

- **3-Year Protection Plan**
- **4-Year Protection Plan**
- **Complete Protect:** A monthly plan covering all eligible past and future purchases.

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