Geekpure 5 STAGE PWF

Geekpure 5 Stage Whole House Water Filter System Instruction Manual

Model: 5 STAGE PWF

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Geekpure 5 Stage Whole House Water Filter System. This system is designed to provide purified water for your entire home, featuring PP Sediment, two Carbon Filters, a 6 GPM UV filter, and a Nano Antiscale Carbon Filter with 3/4" NPT ports. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your system.



Image: Overview of the Geekpure 5 Stage Whole House Water Filter System, showing the assembled unit and individual filter cartridges.

Product Features

The Geekpure 5 Stage Whole House Water Filter System incorporates advanced filtration technologies to deliver clean water throughout your home. Key features include:

- **5-Stage Filtration:** Utilizes PP Sediment, two Carbon Filters, a 6 GPM UV filter, and a Nano Antiscale Carbon Filter.
- **Complete Home Water Purification:** Installs at the main water supply to provide purified water for all household uses, extending the life of appliances.
- **Multi-Stage Filtration Function:**
  - **PP Sediment Filter (5 Micron):** Reduces silt, sand, rust, dirt, and undissolved particles. Features a color-changing indicator for replacement.
  - **Carbon Filters (2x):** Reduce chlorine, taste, and odors.
  - **Nano Antiscale Carbon Filter:** Further reduces chlorine, taste, odors, and helps prevent scale formation.

- **UV Filtration Stage (6 GPM):** Provides water filtration without secondary pollution or chemical additives, preserving water's natural taste, color, odor, pH, and conductivity. Power: 100-140 V / 50-60 Hz.
- **High Capacity Housing:** Designed for high flow applications.
- **Filter Life and Performance:** Filters last 6-12 months or 100,000 gallons; UV Filter lasts 1 year. Flow rate of 5-15 GPM depending on feed water pressure.
- **Pressure Gauges:** Two pressure gauges monitor inlet and outlet filter element status.
- **Mineral Retention Technology:** Retains healthy minerals in your water; does not reduce hardness, heavy metals, or Total Dissolved Solids (TDS).
- **Safe Filter Replacement:** Built-in pressure release valve facilitates safe and easy filter replacement.



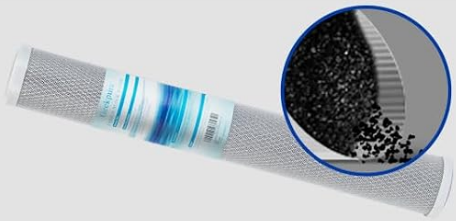
Image: Close-up view of key system features, including the pressure relief button, pressure gauges, and 3/4" NPT inlet/outlet port.



1st stage : PP Sediment Filter

Life time : 6- 12 months

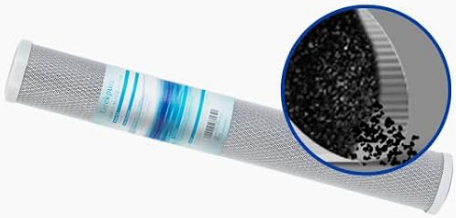
Remove silt, sand, rust, dirt, and other undissolved particles PP filter display different color and tracks the life time as you use,It is time to replace a new one when it is dark yellow or brown.



2nd stage:Carbon Block Filter

Life time : 6- 12 months

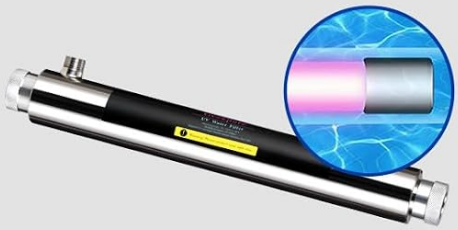
Remove chlorine, taste & odors, very fine particulates.



3rd Stage:Carbon Block Filter

Life time : 6- 12 months

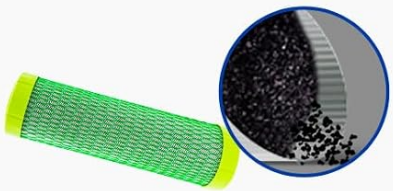
Remove chlorine, taste & odors, very fine particulates.



4th Stage:UV filter -25W-6 GPM

Life time : 6- 12 months

Remove 99%of harmful matters.No Secondary Pollution.
No chemical added to the water supply.No change in taste,odor, PH or conductivity nor the general chemistry of the water.



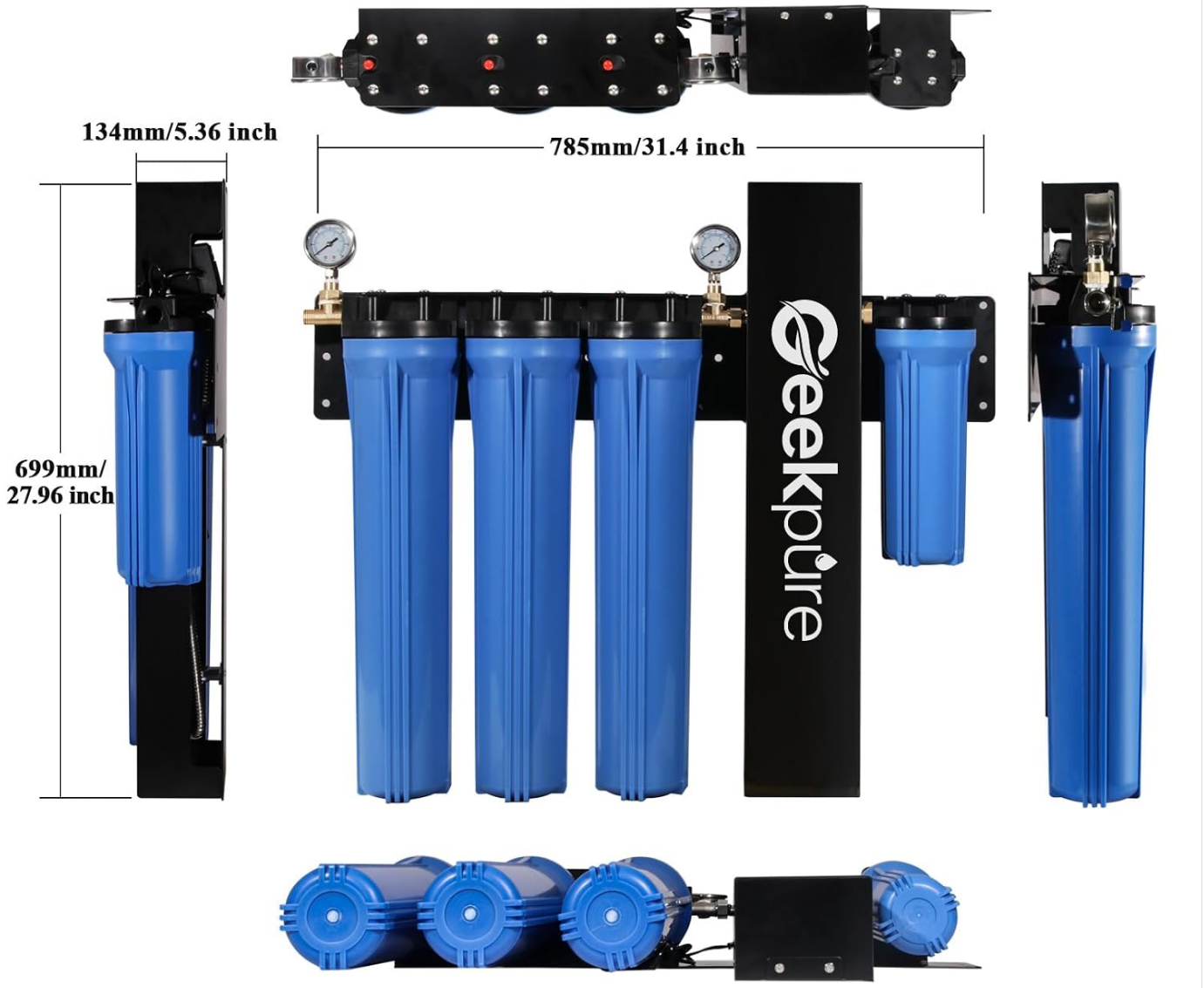
5th Stage:Nano Antiscale Carbon Filter

Life time : 6- 12 months

Remove chlorine,taste &odors,prevent the formation of scale.

NOTE: 1.The Life Time of the Filter Cartridge Depends on Usage Amount and Feed Water Quality.
2.If the system has been working properly and the pressure is slowing,that mean filter is clogged,it is time to replace new filter cartridge.
3.After prolonged periods of nonuse (such as a vacation),it is recommended that the system be flushed thoroughly for at least 10-15 minutes before using the water.

Image: Detailed diagram illustrating the function and typical lifespan of each of the 5 filtration stages.



Product Dimension: 31.4 x 5.36 x 27.96 inch / 785 x 134 x 699mm

Product Weight: 56lb / 25.5 kgs

Image: Visual explanation of how the PP Sediment Filter reduces silt, sand, dirt, and other particles.



Image: Visual explanation of how the Carbon Block Filter reduces chlorine, odors, and taste.

Package Contents

Verify that all components listed below are included in your package:

- 5 x Filters (PP Sediment, 2x Carbon Block, UV, Nano Antiscale Carbon)
- Filter Housings (3 large, 1 small for UV, 1 for Nano Antiscale)
- Bracket for mounting
- 2 x Pressure Gauges (pre-installed)
- Wrench for filter housings
- Teflon tape
- Screws and Plastic Expansion Plugs for mounting

- Instruction Manual

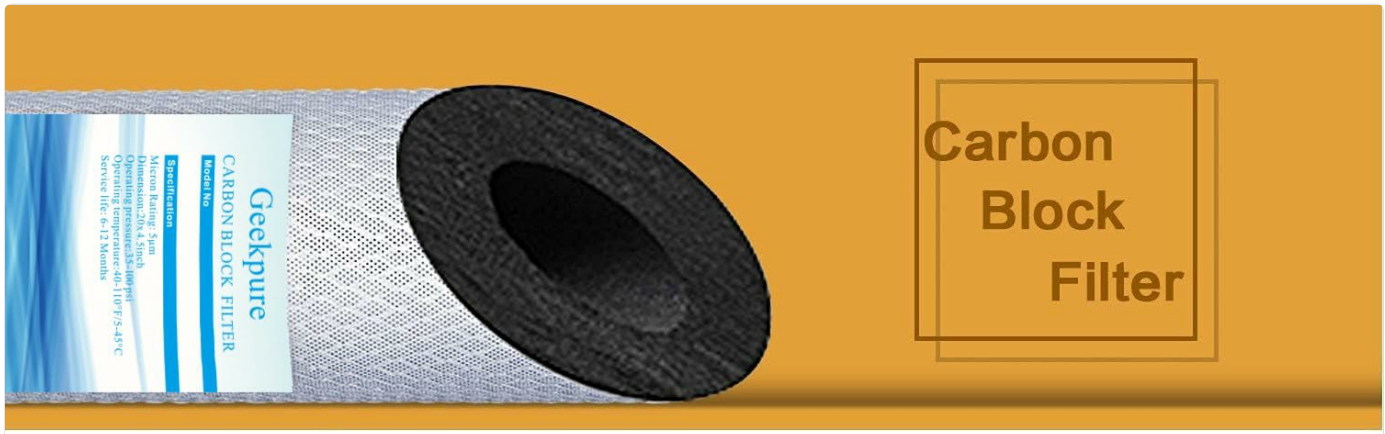


Image: Visual representation of all components included in the product package.

SPECIFICATIONS

Brand	Geekpure
Model Name	5 STAGE PWF
Product Dimensions (L x W x H)	31.4" x 5.36" x 27.96" (785 x 134 x 699 mm)
Material	Plastic Housing, Alloy Steel Bracket and black cover, SS 304, PP, Carbon
Capacity	15 gallons (system capacity)

Installation Type	Wall Mount
Purification Method	Sediment, Activated Carbon, UV
Power Source (UV)	Corded Electric (100-140 V / 50-60 Hz)
Operating Pressure Range	10-60 psi (Recommended: 50-60 psi)
Temperature Range	40-110°F (5-45°C)
Maximum Flow Rate	15 GPM
Supported Water TDS Level Maximum	1000 PPM
Filter Life Cycle	6-12 months (UV Filter: 1 year)



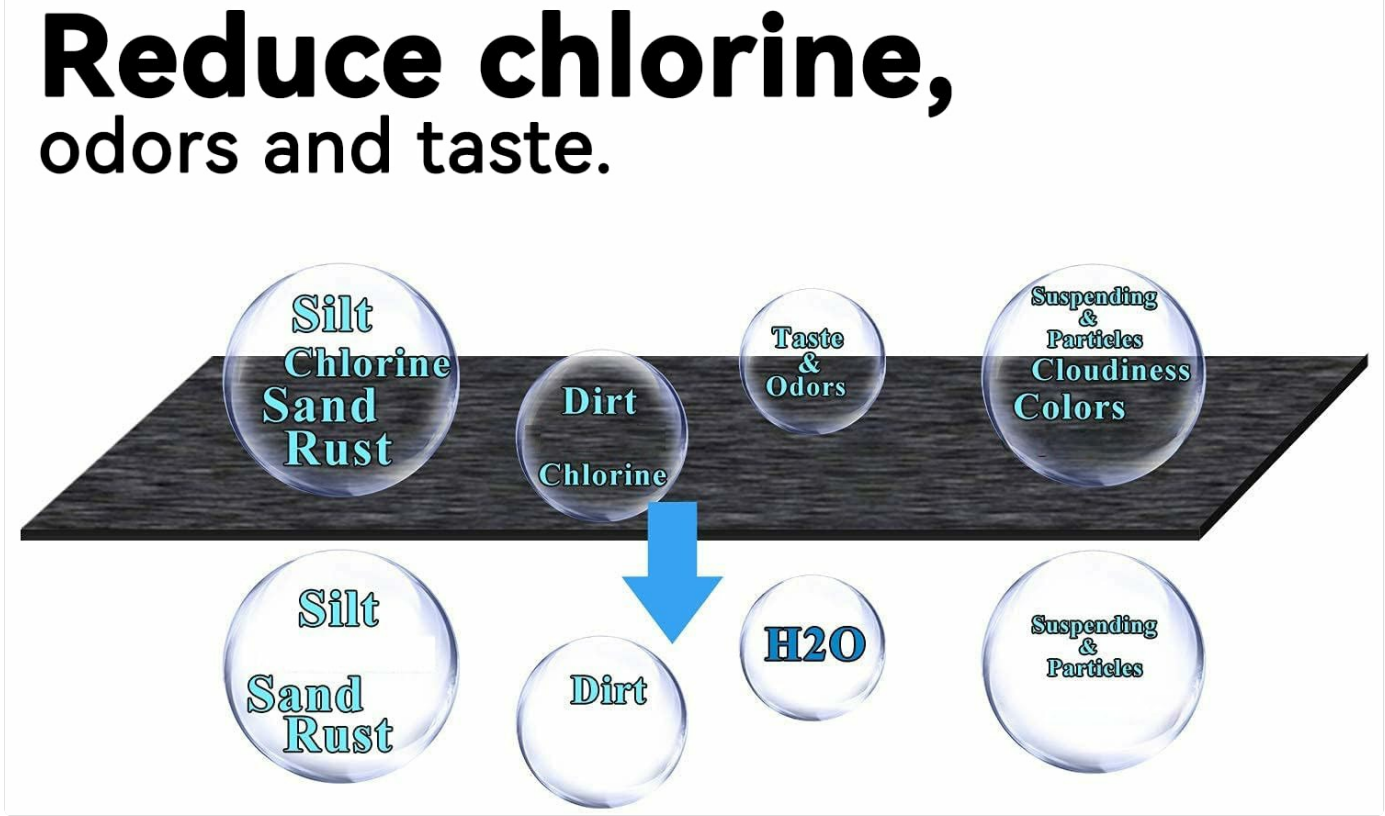


Image: Technical drawing displaying the length, width, and height dimensions of the water filter system.

Setup and Installation

Proper installation is crucial for the optimal performance of your water filter system. It should be installed at the main water supply line where it enters the house, before pipes branch off into multiple directions. A bypass line is recommended for easier maintenance.

Parts Required (Not Included)

- Shut off valve
- Pipe nipples
- Pipe union

Installation Guidelines

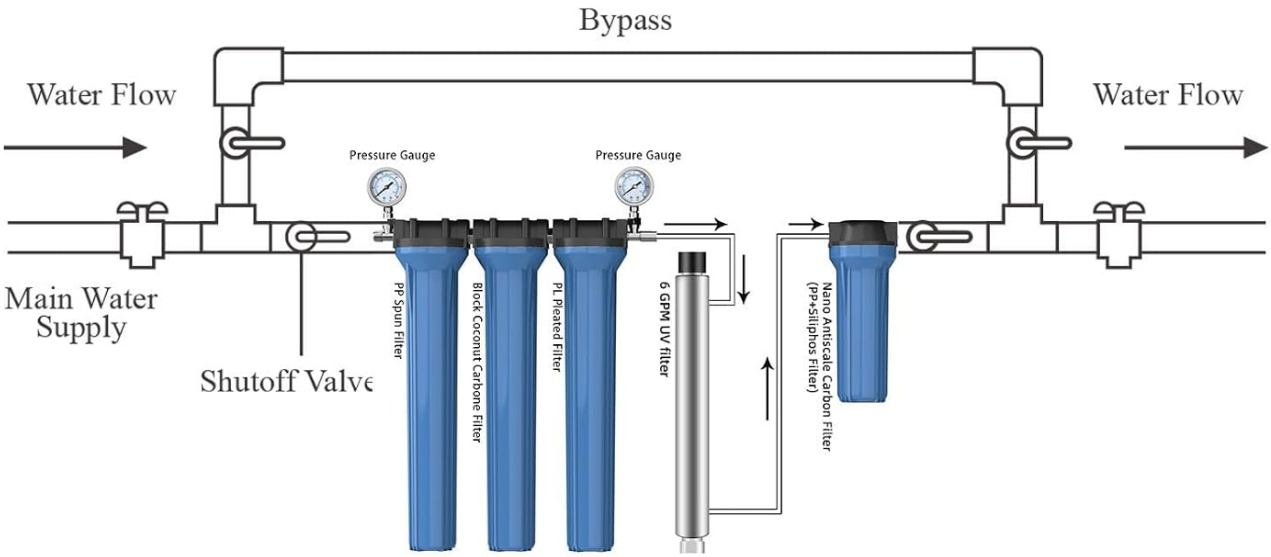
1. **Location:** Select a dry, level area protected from freezing temperatures and direct sunlight. Ensure sufficient space for filter replacement.
2. **Main Water Supply:** Turn off the main water supply to your home.
3. **Mounting:** Securely mount the system bracket to a sturdy wall using the provided screws and expansion plugs.
4. **Plumbing Connections:** Connect the system to your main water line using appropriate pipe nipples and unions. Ensure all connections are tight and leak-free using Teflon tape. The system has 3/4" NPT inlet/outlet ports.
5. **UV Power Connection:** Connect the UV filter's power cord to a suitable electrical outlet (100-140 V / 50-60 Hz).
6. **Filter Installation:** Ensure all filters are correctly seated in their respective housings.
7. **Pressure Release:** Before opening any housing, use the built-in pressure release valve to relieve internal pressure. When installing the cover, tighten the exhaust valve area by one turn.
8. **System Flush:** After installation, slowly turn on the main water supply. Flush the system thoroughly for at least 10-15 minutes before using the water to remove any carbon fines or air.

Parts Required (Not Included)

1.Shut off valve 2.Pipe nipples 3.Pipe union

For better understanding, please refer following diagram.

Installation diagram (recommended):



The filter should be placed on the main water supply line near where it enters the house at any point past the main shutoff valve for the whole house, but before pipes branch off into multiple directions.However, you may choose to locate the filter after the line branches to the inside and outside plumbing depending on your filtration intent.

NOTE:

Your filter should be located in a dry, level area and protected from freezing temperatures and direct sunlight.

Image: Recommended installation diagram showing water flow, main water supply connection, shutoff valve, pressure gauges, filter stages, and an optional bypass line.

Operating Instructions

Once installed and flushed, your Geekpure 5 Stage Whole House Water Filter System operates automatically. Observe the following:

- **Water Pressure Monitoring:** The two pressure gauges indicate the water pressure at the inlet and outlet of the filter system. A significant drop in pressure between the inlet and outlet gauges suggests that the filter elements may be clogged and require replacement.
- **UV Lamp Indicator:** The UV lamp typically has a visual indicator (e.g., a light) to confirm it is operational. Refer to the UV lamp's specific instructions for details.
- **Continuous Operation:** For optimal performance, the system should remain connected to the water supply and power (for the UV stage) continuously.

Maintenance

Regular maintenance ensures the continued efficiency and effectiveness of your water filtration system.

Filter Replacement

The lifespan of filter cartridges depends on usage and feed water quality. General guidelines are:

- **PP Sediment, Carbon Block, Nano Antiscale Carbon Filters:** Replace every 6-12 months or after 100,000 gallons. The PP Sediment filter has a color-changing indicator; replace when it turns dark yellow or brown.
- **UV Filter:** Replace the UV lamp annually.

Replacement filters and parts can be identified by ASINs: B09W9KSTQ8, B0C77S6MYD, B0C77QVMK1, B0C77TBQG6, B07GR1H5CZ, B07KHW2DK1, B07BGRLFG4, B085XRPLCS, B07LCKLP5K.

Replacement Procedure

1. Turn off the main water supply to the system.
2. Open a nearby faucet to relieve pressure in the lines.
3. Press the red pressure release button on top of each housing to release any remaining pressure.
4. Use the provided wrench to unscrew the filter housings.
5. Remove old filter cartridges and dispose of them properly.
6. Clean the inside of the filter housings with a mild soap and water solution, then rinse thoroughly.
7. Insert new filter cartridges, ensuring they are correctly oriented.
8. Lubricate the O-rings with food-grade silicone grease if necessary, and place them correctly in the housing grooves.
9. Screw the housings back onto the system head, hand-tightening first, then using the wrench for a snug fit (do not overtighten).
10. Slowly turn on the main water supply and check for leaks.
11. Flush the system for 10-15 minutes to remove air and carbon fines before use.

Troubleshooting

This section addresses common issues you might encounter with your water filter system.

Problem	Possible Cause	Solution
Low Water Pressure	Clogged filters; Air in the system; Insufficient feed water pressure.	Check pressure gauges for significant drop; Replace clogged filters; Flush system to remove air; Verify feed water pressure is within operating range (50-60 psi recommended).
Water Leaks	Loose connections; Damaged O-rings; Cracked housing.	Tighten all connections; Inspect and replace O-rings if damaged; Inspect housings for cracks and replace if necessary.
Unpleasant Taste/Odor	Exhausted carbon filters; System not flushed adequately after filter change.	Replace carbon filters; Flush the system thoroughly.

UV Lamp Not Lighting	Power issue; Faulty lamp or ballast.	Check power connection and outlet; Replace UV lamp; Contact support if ballast is suspected.

Warranty and Support

Geekpure is committed to providing quality products and support. While specific warranty details may vary, Geekpure offers 24/7 technical support to assist you with any questions or issues regarding your water filtration system.
For technical assistance, troubleshooting, or warranty inquiries, please contact Geekpure customer service. Refer to the contact information provided with your purchase or visit the official Geekpure website for support options.

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