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› Varpoolfaye Inverter 120000 BTU Pool Heater Instruction Manual

Varpoolfaye KSPF-035L1VUA1

Varpoolfaye Inverter 120000 BTU Pool Heater Instruction Manual

Model: KSPF-035L1VUA1

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Varpoolfaye Inverter 120000 BTU Pool Heater. This unit is designed to heat or cool pools up to 33,000 gallons, offering energy-efficient performance with a high Coefficient of Performance (COP) and quiet operation.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, serious injury, or death.

- **Electrical Safety:** This unit requires a 220V electrical supply. All electrical connections must be performed by a qualified electrician in accordance with local and national electrical codes. Ensure the unit is properly grounded. Do not operate with damaged power cords or plugs.
- **Water Connections:** Ensure all water connections are secure and leak-free. Do not operate the unit without proper water flow.
- **Placement:** Install the unit in a well-ventilated area, ensuring adequate clearance around the air intake and exhaust. Avoid placing the unit near flammable materials or in enclosed spaces.
- **Children and Pets:** Keep children and pets away from the unit during operation.
- **Service:** Do not attempt to repair or disassemble the unit yourself. Refer all servicing to qualified personnel.

3. PRODUCT OVERVIEW

The Varpoolfaye Inverter Pool Heater is an advanced heat pump system designed for optimal pool temperature control. It utilizes inverter technology for enhanced efficiency and a longer lifespan.



Figure 3.1: Main unit of the Varpoolfaye Inverter 120000 BTU Pool Heater.

3.1 Packing List

Upon unpacking, verify that all components are present:

PACKING LIST

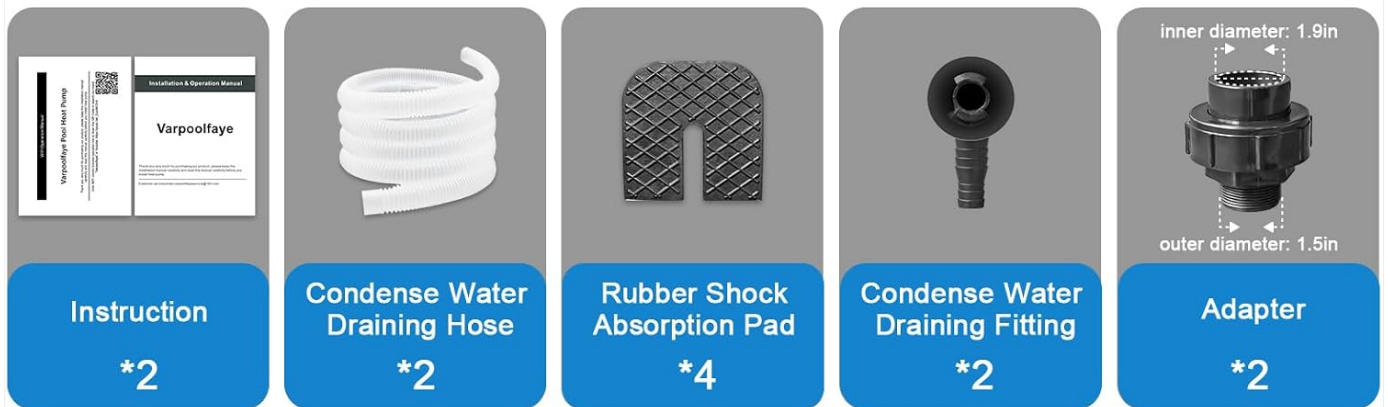
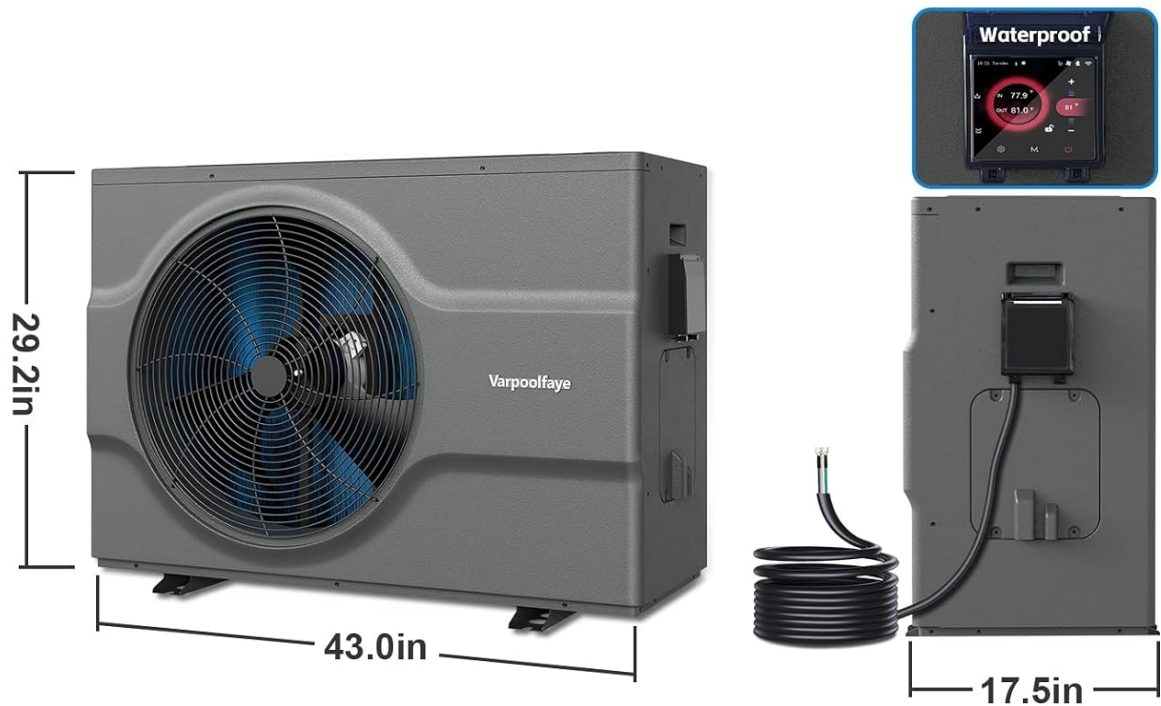


Figure 3.2: Included components in the Varpoolfaye Pool Heater package.

- Varpoolfaye Inverter Pool Heater Unit
- Instruction Manual (2 copies)
- Condense Water Draining Hose (2 units)
- Rubber Shock Absorption Pad (4 units)
- Condense Water Draining Fitting (2 units)
- Adapter (1.5-inch outer diameter to 1.9-inch inner diameter)

4. INSTALLATION AND SETUP

Proper installation is crucial for the performance and longevity of your pool heater. It is recommended that installation be performed by a qualified professional.

4.1 Site Selection

- Choose a location with good air circulation, away from walls or obstructions that could impede airflow to the unit's

fan.

- Ensure the ground is level and capable of supporting the unit's weight (approximately 208 pounds).
- Consider proximity to the pool and electrical supply for efficient connection.

4.2 Electrical Connection

The unit requires a dedicated 220V-240V / 60Hz electrical circuit. The included power cord is 118 inches long. All electrical wiring must comply with local and national codes and be performed by a licensed electrician.

4.3 Water Connection

The pool heater connects to your pool's filtration system. It includes 1.5-inch connectors for standard pool plumbing.

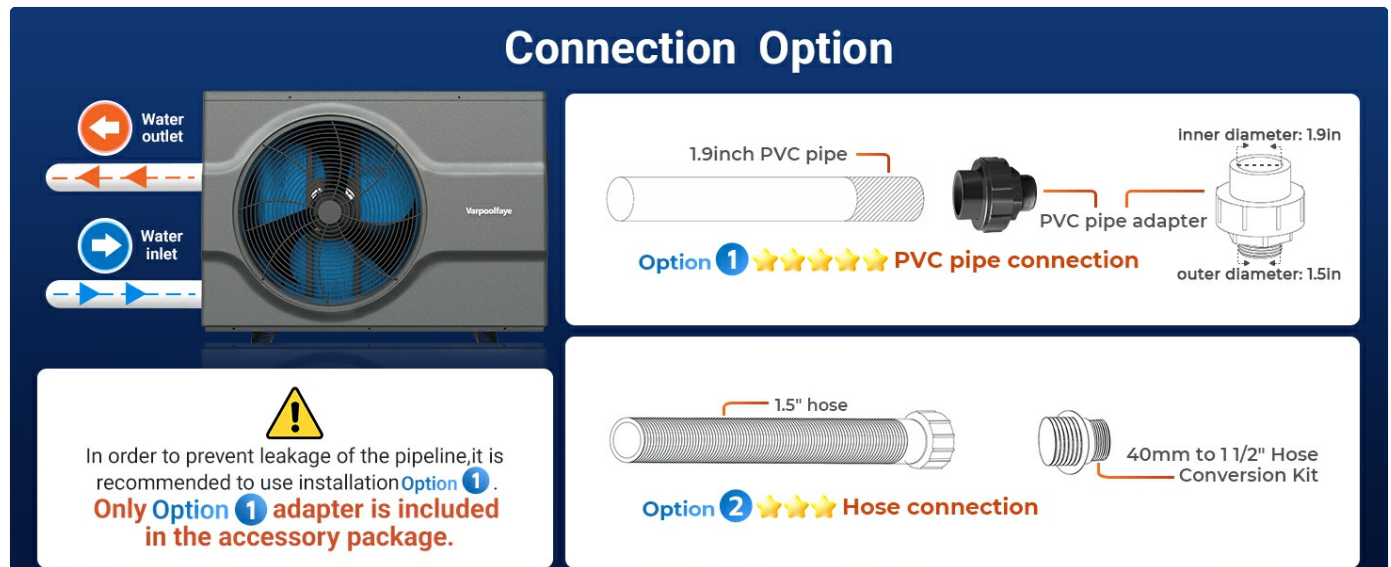


Figure 4.1: Water connection options for the pool heater.

Option 1: PVC Pipe Connection

- Connect 1.5-inch PVC pipes directly to the unit's water inlet and outlet.
- Use the provided PVC pipe adapter if necessary for your plumbing setup.

Option 2: Hose Connection

- For hose connections, a 40mm to 1 1/2" hose conversion kit may be required (not included).
- Ensure all hose clamps are tightened to prevent leaks.

Important: To prevent pipeline leakage, it is recommended to use the PVC pipe connection (Option 1) with the included adapter.



Figure 4.2: Example of a Varpoolfaye Pool Heater installed in an outdoor setting.

5. OPERATING INSTRUCTIONS

Your Varpoolfaye pool heater features an intelligent touch control panel and WiFi remote control for convenient operation.

5.1 Control Panel

The waterproof touch control panel allows direct adjustment of settings. It displays current water temperature, desired temperature, and operating mode.

Remote Control + Enhanced Touchscreen

Can be controlled anytime and anywhere, with advance timing settings, allowing you to swim at will.



Figure 5.1: Overview of remote and touchscreen control options.

5.2 WiFi Remote Control

Control your pool heater remotely using the dedicated app. This allows you to adjust temperature, schedule run times, and switch modes from anywhere.

- Download the 'Smart Life' app from the App Store or Google Play.
- Follow the in-app instructions to pair your device with the pool heater.
- Once connected, you can monitor and control the unit's functions, including setting target temperatures and activating the one-button fast heat function.

Remote Control + Enhanced Touchscreen

Can be controlled anytime and anywhere, with advance timing settings, allowing you to swim at will.

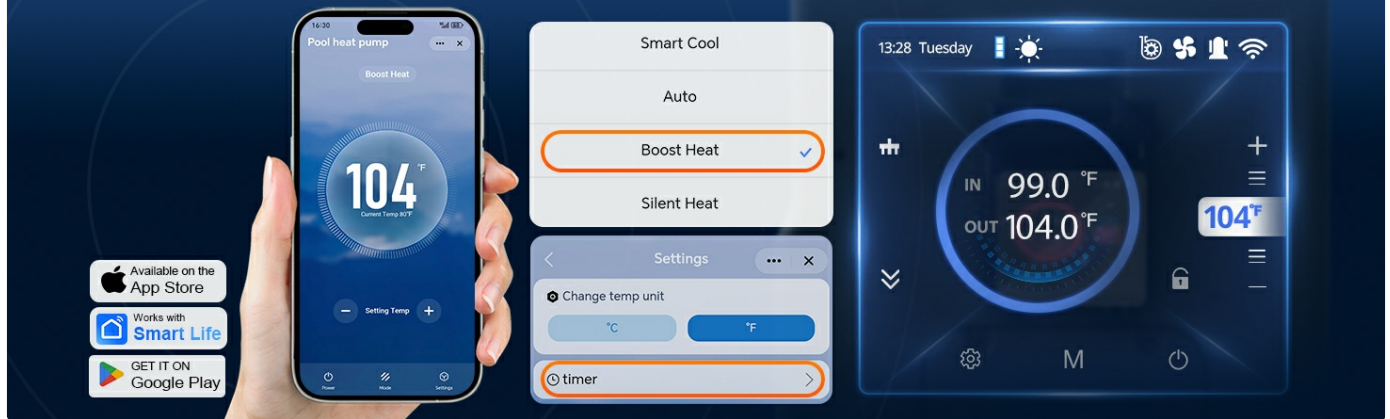


Figure 5.2: Detailed view of the app and control panel interface.

5.3 Operating Modes

- **Heating Mode:** Heats the pool water to your desired temperature.
- **Cooling Mode:** Cools the pool water, ideal for warmer climates.
- **Inverter Mode:** Optimizes energy consumption by adjusting compressor speed based on heating/cooling demand, leading to lower energy use and a longer lifespan for the unit.

6. PERFORMANCE GUIDELINES

The 120000 BTU unit is designed for pools up to 33,000 gallons. Its inverter technology provides a high COP of 12.3, indicating excellent energy efficiency. The unit operates quietly at approximately 47dB.

Pay Less Save More

SAVING OVER 45%

- ✓ High Energy Efficiency
- ✓ Lower Energy Cost

OTHERS

R410A
REFRIGERANT

OUR

R32
REFRIGERANT

45%

max
COP 12.30

Energy Cost Saving



Figure 6.1: Energy efficiency comparison and COP rating.

6.1 Heat Pump Selection Guide (120000 BTU)

Refer to the table below for estimated heating performance based on pool depth, volume, and ambient temperature.

120000 BTU Heat Pump Selection Guide

Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
3.94 ft	33000	72°F	93°F
	28000	72°F	97°F
	33000	59°F	80°F
	28000	59°F	84°F
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
4.95 ft	33000	72°F	95°F
	28000	72°F	102°F
	33000	59°F	81°F
	28000	59°F	86°F

Figure 6.2: Heat pump selection guide for 120000 BTU unit.

This table provides a general guide. Actual performance may vary based on factors such as pool cover usage, wind exposure, and humidity.

6.2 Quiet Operation

The unit is engineered for quiet operation, with a noise level below 47dB, ensuring a peaceful pool environment.

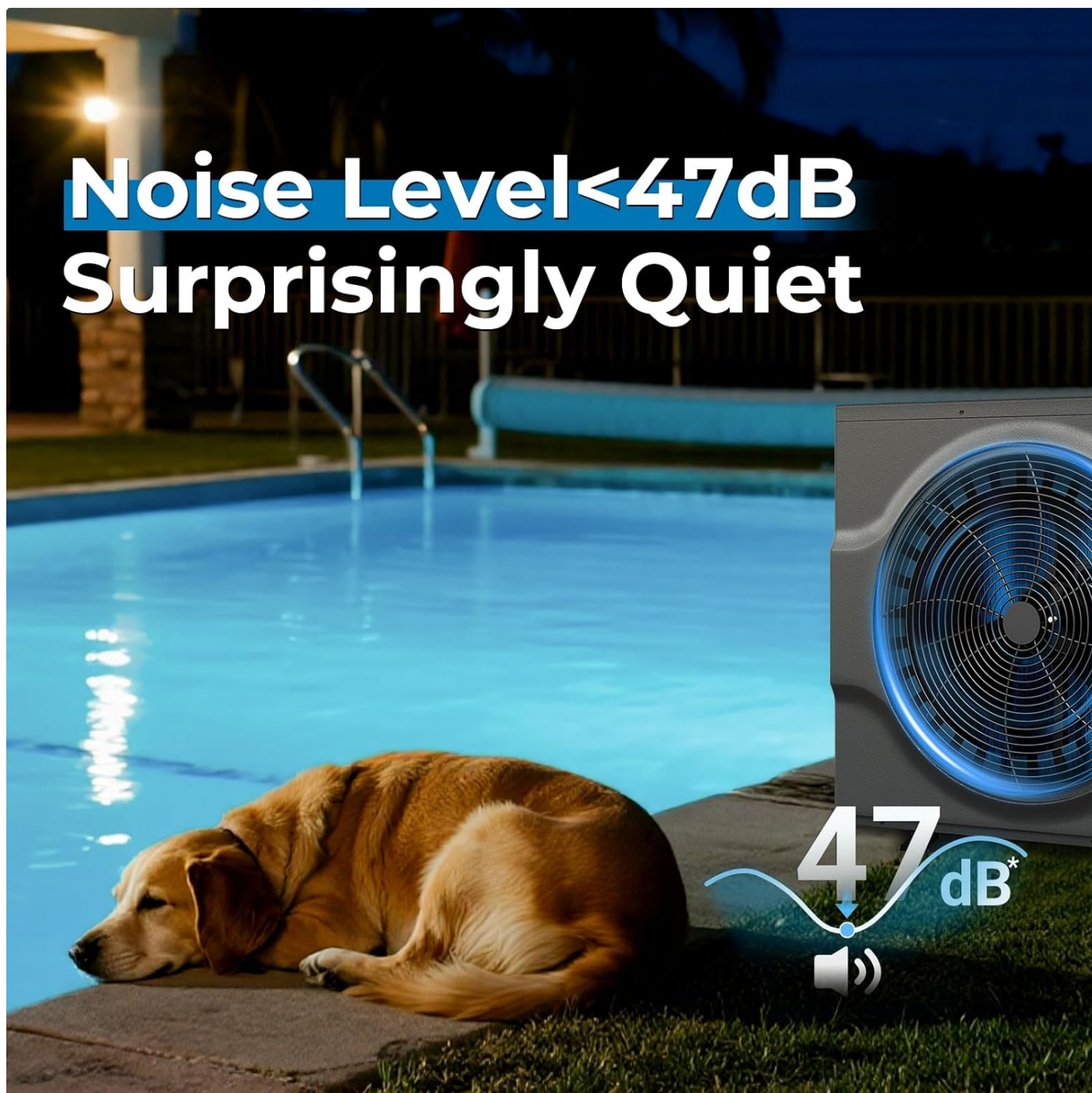


Figure 6.3: The Varpoolfaye pool heater operates quietly.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pool heater.

- **Clean Air Vents:** Periodically inspect and clean the air intake and exhaust grilles to ensure unobstructed airflow. Remove any leaves, debris, or obstructions.
- **Coil Cleaning:** Annually, or as needed, clean the evaporator coils to remove dirt and dust buildup. Use a soft brush and mild detergent, then rinse thoroughly.
- **Water Chemistry:** Maintain proper pool water chemistry (pH, chlorine levels) to prevent corrosion and scale buildup within the heat exchanger.
- **Drainage:** Ensure the condensate drain is clear and free-flowing, especially during cooling operation.
- **Winterization:** In regions with freezing temperatures, proper winterization is essential. Consult a pool professional for specific procedures, which typically involve draining water from the unit and plumbing lines.

- **General Inspection:** Regularly check for any signs of wear, damage, or leaks in plumbing and electrical connections.

8. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, or if issues persist, contact customer support.

Problem	Possible Cause	Solution
Unit not turning on	No power supply, tripped breaker, faulty wiring.	Check power connection, reset circuit breaker. Consult an electrician if problem persists.
No heating/cooling	Low water flow, incorrect mode selected, ambient temperature too low/high for efficient operation, dirty coils.	Ensure pool pump is running and filter is clean. Verify correct operating mode. Check ambient temperature against performance guidelines. Clean coils.
Error code displayed	Specific system fault.	Refer to the specific error code in the full user manual (if available) or contact customer support with the error code.
Unusual noise	Loose components, fan obstruction, compressor issue.	Inspect for loose parts or obstructions in the fan. If noise persists or is severe, contact customer support.
Water leakage	Loose plumbing connections, damaged pipes, condensate drain blockage.	Check and tighten all water connections. Inspect pipes for damage. Clear condensate drain.

9. SPECIFICATIONS

Key technical specifications for the Varpoolfaye Inverter 120000 BTU Pool Heater (Model KSPF-035L1VUA1).

Feature	Specification
Model Number	KSPF-035L1VUA1
Heating/Cooling Capacity	120,000 BTU
Power Supply	220V-240V / 60Hz
Recommended Pool Volume	Up to 33,000 Gallons
Coefficient of Performance (COP)	Up to 12.3
Noise Level	Less than 47dB
Item Weight	208 pounds
Package Dimensions	47.64 x 32.28 x 20.08 inches
Manufacturer	Varpoolfaye

10. WARRANTY AND CUSTOMER SUPPORT

10.1 Warranty Information

The Varpoolfaye Inverter 120000 BTU Pool Heater comes with a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

10.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Varpoolfaye customer support. Refer to the contact information provided with your purchase documentation or visit the official Varpoolfaye website for support details.

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