

COSTWAY B0F92HTK41

COSTWAY 36k Quad 4 Zone Mini Split Air Conditioner User Manual

Model: B0F92HTK41

1. INTRODUCTION

Thank you for choosing the COSTWAY 36k Quad 4 Zone Mini Split Air Conditioner. This system provides efficient, multi-zone heating and cooling for various areas within your home. Featuring inverter technology, a 23 SEER2 rating, and R32 refrigerant, it offers energy-efficient operation. This manual provides essential information for safe installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your unit. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury or damage to the unit:

- **Professional Installation Required:** Installation, maintenance, and repair of this unit must be performed by a qualified HVAC professional. Improper installation can lead to electric shock, fire, water leakage, or other hazards.
- **Electrical Safety:** Ensure the power supply matches the unit's specifications (208-230V). Do not use extension cords. Always disconnect power before servicing or cleaning.
- **Refrigerant Handling:** This unit uses R32 refrigerant. Handling of refrigerants must be done by certified personnel to prevent environmental harm and ensure safety.
- **Clearance:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and heat dissipation.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance. Remote controls should be kept out of reach of children.
- **Ventilation:** Do not block air inlets or outlets on the indoor or outdoor units.
- **Flammable Materials:** Do not place flammable materials or spray aerosols near the unit.
- **Water Damage:** Ensure proper drainage for the indoor units to prevent water overflow.

3. PRODUCT OVERVIEW

3.1 Package Contents

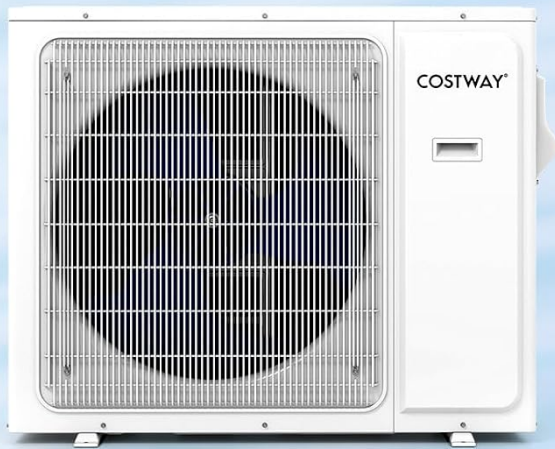
The COSTWAY 36k Quad 4 Zone Mini Split Air Conditioner package includes the following components:

- 1 x Outdoor Unit
- 4 x Indoor Units (7000 BTU, 7000 BTU, 9000 BTU, 24000 BTU)
- 4 x Communication Wires
- 4 x Copper Connection Pipes
- 4 x Drain Hoses
- 4 x Remote Controls
- 4 x Mounting Plates
- 4 x Wall Sleeves
- 8 x Wall Caps
- 4 x Screw Kits
- 8 x Putties
- 8 x Tapes
- 5 x User Guides (one for the outdoor unit, one for each indoor unit)

Package Includes

X1

Outdoor Unit



X4

Indoor Unit



Remote Control



Wall Sleeve



Drain Hose

X8



Tape



Putty



Wall Cap



Copper Connection Pipe (Air + Liquid)



Mounting Plate



Communication Wire



Screw Kit

Figure 3.1: Package Contents. This image illustrates the outdoor unit, four indoor units, remote controls, and various installation accessories such as pipes, wires, and mounting hardware.

3.2 Key Features

- **Multi-Zone Operation:** Independently control the temperature in up to four different rooms with varying BTU capacities (7k+7k+9k+24k BTU).
- **High Efficiency:** Energy Star certified with a 23 SEER2 rating and 10 HSPF2 rating, utilizing R32 refrigerant for reduced environmental impact.
- **Wide Operating Range:** The outdoor unit features a chassis heating function, allowing operation in extreme temperatures from -13°F to 125°F.
- **Multiple Modes:** Offers Auto, Cool, Heat, Dry, Fan, and Sleep modes to suit various comfort needs.
- **Variable Fan Speeds:** Choose from Auto, Low, Mid, High, and Strong fan speeds.
- **Smart Control:** WiFi enabled for control via a smartphone app and includes a remote control. Features a 24-hour timer.
- **Quiet Operation:** Designed for low noise levels, especially in sleep mode.
- **Easy Maintenance:** Removable and washable filters for simple cleaning.

Multiple Functions & Modes



Figure 3.2: Multiple Functions and Modes. This image highlights the various operational modes and fan speed settings available on the system, controlled via the included remote.

Smart Control, Smart Life

Control your AC from anywhere



Figure 3.3: Smart Control via Smartphone. This image demonstrates the convenience of controlling the air conditioner remotely using a smartphone application.



Figure 3.4: Multi-Room Cooling Solution. This diagram illustrates how the quad-zone system can independently cool or heat different areas of a home.

4. SETUP AND INSTALLATION

Important: Installation of this mini split system requires specialized tools and knowledge. It must be performed by a certified HVAC professional to ensure safety, proper function, and to maintain warranty validity.

4.1 Pre-Installation Checks

- Verify that the power supply at the installation site is 208-230V, 60Hz, as required by the unit.
- Ensure the outdoor unit is placed on a stable, level surface with adequate clearance for airflow (refer to installation manual for specific distances).
- Select appropriate locations for the four indoor units, considering room size, airflow, and proximity to the outdoor unit for refrigerant line and electrical connections.

4.2 Installation Steps (Overview for Professional)

1. Mount indoor units using the provided mounting plates, ensuring they are level and secure.

2. Drill wall holes for refrigerant lines, communication wires, and drain hoses.
3. Connect copper refrigerant lines between indoor and outdoor units. Ensure proper flaring and torque.
4. Connect communication wires and power cables according to the wiring diagram in the detailed installation manual.
5. Perform vacuuming of the refrigerant lines to remove air and moisture.
6. Check for leaks in all connections.
7. Open refrigerant service valves.
8. Connect drain hoses to ensure proper condensate removal.
9. Apply power to the system and perform initial test run.

5. OPERATING INSTRUCTIONS

Your COSTWAY mini split system can be controlled via the included remote controls or a smartphone app.

5.1 Remote Control Operation

Each indoor unit has a dedicated remote control. Point the remote directly at the indoor unit when operating.

- **Power On/Off:** Press the **ON/OFF** button to start or stop the unit.
- **Mode Selection:** Press the **MODE** button to cycle through Auto, Cool, Heat, Dry, and Fan modes.
- **Temperature Adjustment:** Use the **TEMP UP/DOWN** buttons to set the desired temperature.
- **Fan Speed:** Press the **FAN** button to select Auto, Low, Mid, High, or Strong fan speeds.
- **Sleep Mode:** Activate **SLEEP** mode for quiet operation and optimized temperature settings during sleep.
- **Timer Function:** Use the **TIMER** button to set a 24-hour on/off schedule.
- **Swing Function:** Press **SWING** to adjust the louver direction for optimal airflow distribution.

5.2 WiFi App Control

The system is WiFi enabled, allowing control from your smartphone. Download the COSTWAY Smart App from your device's app store.

1. Ensure your smartphone is connected to a 2.4GHz WiFi network.
2. Open the COSTWAY Smart App and follow the on-screen instructions to add your air conditioner units.
3. Once connected, you can adjust settings, monitor performance, and set schedules from anywhere.

Up to 7-Year Extended Service

-  7-year compressor+5-year parts
-  Lifetime technical support
-  24/7 support via phone, email, or live support

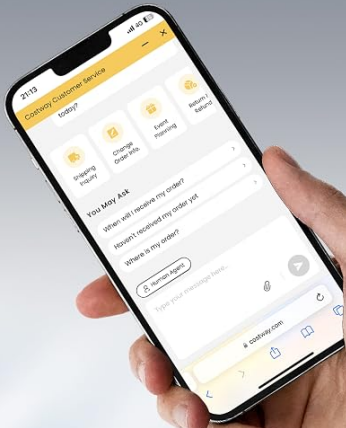


Figure 5.1: Smart Home Integration. The system is compatible with popular smart home platforms like Amazon Alexa and Google Home for voice control.

6. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your unit. Always disconnect power before performing any maintenance.

6.1 Indoor Unit Filter Cleaning

Clean the air filters every two weeks or more frequently if the unit is used heavily or in dusty environments.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Wash the filters with lukewarm water and a mild detergent. Rinse thoroughly.
4. Allow filters to air dry completely before reinstalling. Do not expose to direct sunlight.
5. Reinstall the dry filters and close the front panel.

6.2 Outdoor Unit Maintenance

The outdoor unit should be inspected and cleaned periodically by a qualified technician, at least once a year.

- Keep the area around the outdoor unit clear of debris, leaves, and vegetation to ensure proper airflow.
- Clean the outdoor coil fins gently with a soft brush or vacuum cleaner. Avoid bending the fins.
- Check the condensate drain for blockages.
- Ensure electrical connections are secure and free from corrosion.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

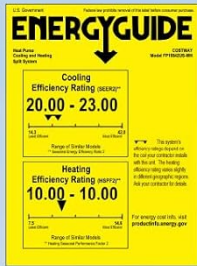
Problem	Possible Cause	Solution
Unit does not turn on	No power, remote control batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, incorrect mode/temperature setting, low refrigerant.	Clean air filters, clear obstructions from outdoor unit, verify settings, contact professional for refrigerant check.
Water leakage from indoor unit	Blocked drain hose, improper installation.	Check and clear drain hose, contact professional for inspection.
Unusual noises	Loose parts, fan obstruction, refrigerant flow noise (normal).	Inspect for loose parts, clear obstructions, consult professional if noise is persistent or loud.
WiFi connection issues	Incorrect WiFi password, router issues, unit too far from router.	Verify WiFi credentials, restart router, ensure unit is within WiFi range.

For issues not listed above or if problems persist, please contact COSTWAY customer support.

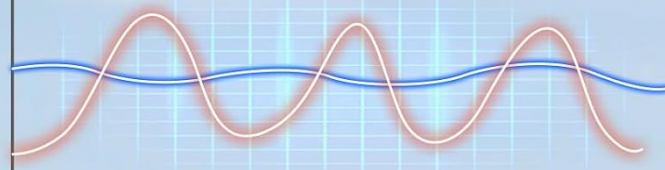
8. SPECIFICATIONS

Feature	Detail
Brand	COSTWAY
Model Number	B0F92HTK41
Cooling Capacity	36000 BTU (Quad Zone: 7k+7k+9k+24k BTU)
SEER2 Rating	23
HSPF2 Rating	10
Refrigerant Type	R32
Power Source	Corded Electric (208-230V)
Special Features	WiFi Enabled, Inverter Technology, Chassis Heating
Noise Level	40 Decibels (typical operation)
Outdoor Unit Dimensions (D x W x H)	17.9" x 41.2" x 31.8"
Control Method	App, Remote Control
Operating Modes	Auto, Cool, Heat, Dry, Fan, Sleep
Certifications	Energy Star, ETL, AHRI

Less Energy Consumption, Lower GWP



Temperature



Inverter Technology

Non-Inverter Technology

Time



23
SEER2

10
HSPF2



New R32 Refrigerant

Figure 8.1: Energy Efficiency and Certifications. This image highlights the system's high SEER2 rating, use of R32 refrigerant, and various industry certifications.

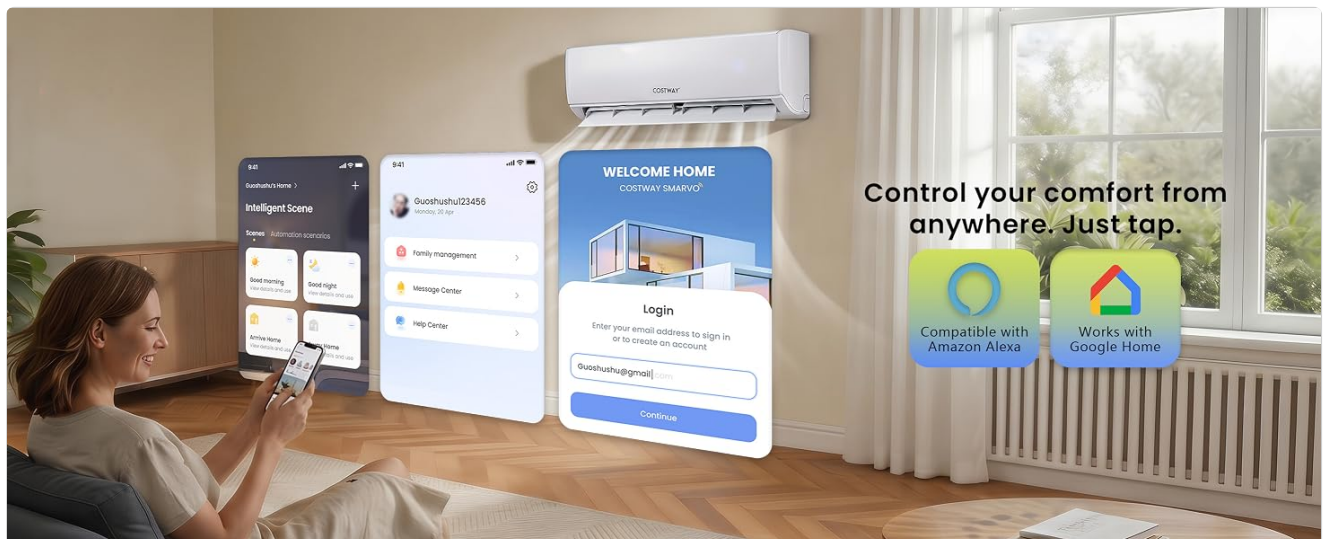


Figure 8.2: Zone Capacity Guide. This diagram helps in understanding the appropriate BTU distribution for different room sizes within a multi-zone setup.

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The COSTWAY 36k Quad 4 Zone Mini Split Air Conditioner comes with a comprehensive warranty:

- **Compressor:** 7-year warranty
- **Parts:** 5-year warranty

Please retain your proof of purchase for warranty claims. The warranty is subject to terms and conditions, including proper professional installation.

9.2 Customer Support

For technical assistance, warranty inquiries, or any questions regarding your COSTWAY mini split system, please contact our customer support team:

- **Lifetime Technical Support**
- **24/7 Support:** Available via phone, email, or live chat.

Refer to the contact information provided in the separate user guides included in your package or visit the official COSTWAY website for current support details.

4 Zone AC Unit for Multiple Room Use

- Independent control in each room
- Choose the Right BTU

Square Feet Capacity	Outdoor Indoor
Up to 1800 sq.ft.	36000BTU (7K+12K+7K+7K)
Up to 1750 sq.ft.	36000BTU (9K+9K+9K+12K)
Up to 1900 sq.ft.	36000BTU (9K+9K+12K+12K)
Up to 2050 sq.ft.	36000BTU (9K+12K+12K+12K)
Up to 2200 sq.ft.	36000BTU (9K+9K+9K+18K)
Up to 2200 sq.ft.	36000BTU (12K+12K+12K+12K)

The image illustrates the 4 Zone AC system's capability to maintain different temperatures in different rooms. The zones shown are: Bathroom (70°F), Hallway (68°F), Bedroom (64°F), and Living Area (74°F). A COSTWAY outdoor unit is shown in the foreground.

Figure 9.1: Extended Service and Support. This image outlines the warranty coverage and available customer support channels for the product.