

Mirage MMI12HABWCATME1/MMI12HABWCATMI1

Mirage Life 12+ Mini Split Air Conditioner Instruction Manual

Model: MMI12HABWCATME1/MMI12HABWCATMI1 | Brand: Mirage

1. INTRODUCTION

Thank you for choosing the Mirage Life 12+ Mini Split Air Conditioner. This manual provides comprehensive instructions for the safe and efficient installation, operation, and maintenance of your new unit. Please read this manual thoroughly before using the appliance and keep it for future reference. Proper use and care will ensure optimal performance and longevity of your air conditioner.

2. SAFETY INFORMATION

Your safety and the safety of others are very important. Please read and follow all safety messages outlined in this manual to prevent serious injury or property damage. Always adhere to local electrical codes and regulations.

General Precautions:

- Only qualified personnel should perform installation, repair, or maintenance. Improper installation can result in electric shock, fire, or water leakage.
- Ensure the power supply matches the unit's specifications (110V). Do not use extension cords or multi-outlet adapters.
- Do not insert fingers or objects into the air inlet/outlet.
- Do not operate the unit with wet hands.
- Keep flammable materials away from the unit.
- If the unit emits smoke or an unusual smell, immediately turn off the power and contact a service technician.

3. PRODUCT OVERVIEW

The Mirage Life 12+ is a 1-ton mini split air conditioner designed for efficient cooling and heating. It consists of an indoor unit, an outdoor unit, and a remote control for convenient operation.

Components:

- Indoor Unit:** Mounted inside the room, responsible for air distribution.
- Outdoor Unit:** Mounted outside, responsible for heat exchange.
- Remote Control:** Used to control the unit's functions and settings.

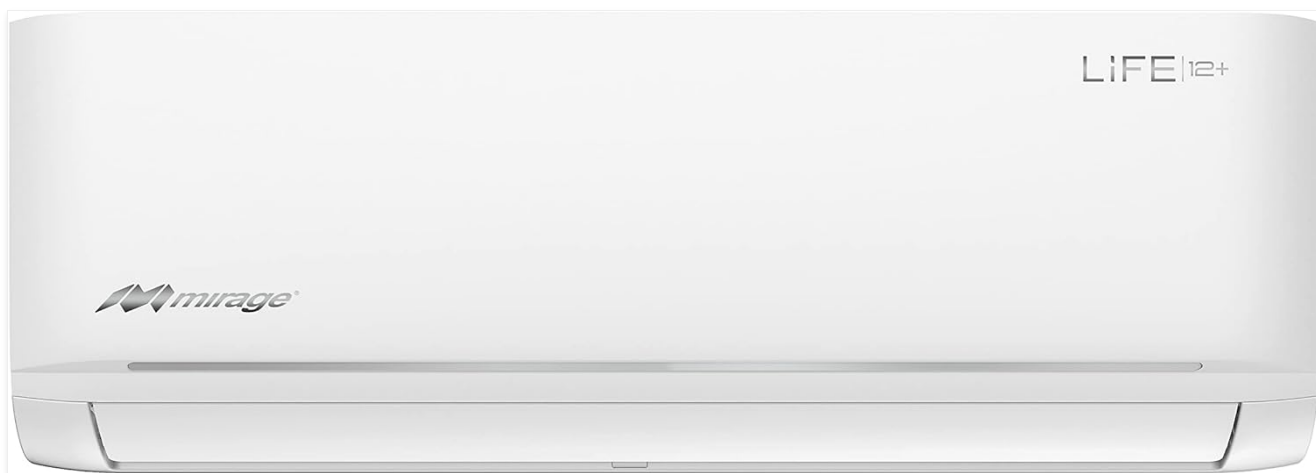


Figure 3.1: Front view of the Mirage Life 12+ Mini Split indoor unit. This image shows the sleek white design of the indoor air handler, featuring the 'Mirage' logo on the left and 'LIFE 12+' branding on the right.



Figure 3.2: Angled view of the Mirage Life 12+ Mini Split indoor unit. This perspective highlights the depth and side profile of the indoor unit, providing a better understanding of its physical form.

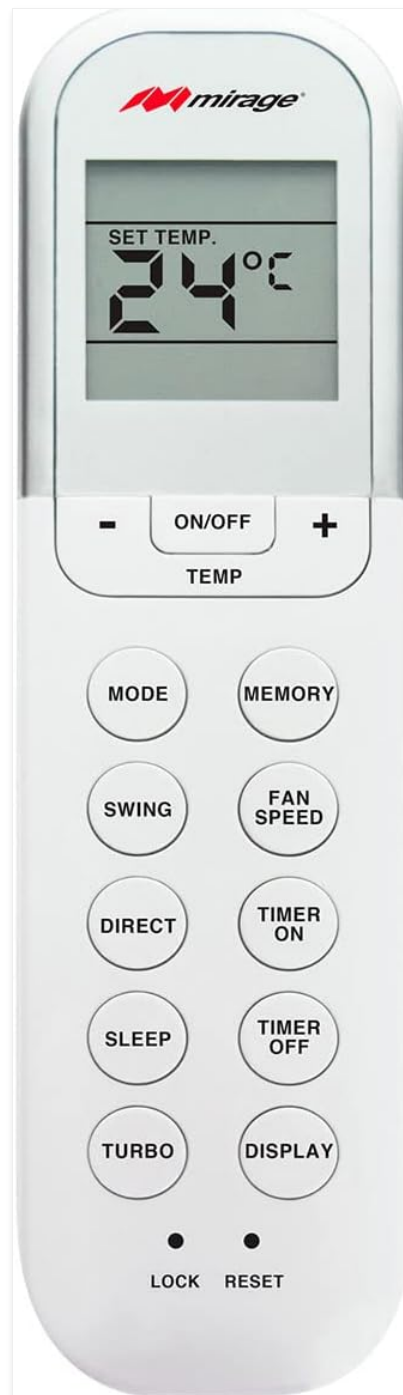


Figure 3.3: Remote control for the Mirage Life 12+ Mini Split. The remote features a digital display at the top showing the set temperature, and various buttons for functions like ON/OFF, Mode, Temp, Fan Speed, Swing, Timer, Sleep, Turbo, and Display.

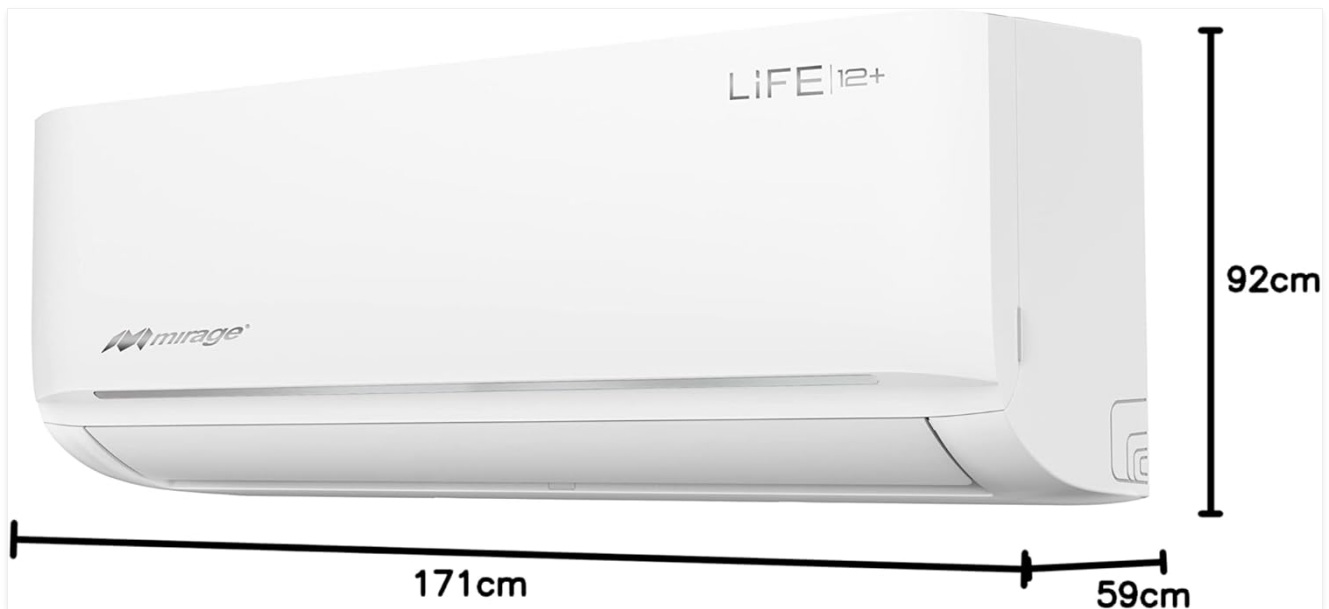


Figure 3.4: Dimensions of the Mirage Life 12+ Mini Split indoor unit. This image illustrates the unit's measurements: 171cm in length, 59cm in depth, and 92cm in height.

4. SETUP AND INSTALLATION

Installation should only be performed by a qualified and certified HVAC technician. Incorrect installation can lead to serious issues, including electric shock, fire, and water leakage.

4.1 Pre-installation Checklist:

- **Location:** Choose a location for the indoor unit that allows for even air distribution and easy drainage. The outdoor unit should be placed in a well-ventilated area, away from direct sunlight and obstructions.
- **Power Supply:** Ensure a dedicated 110V power circuit is available for the unit.
- **Tools:** Gather all necessary tools, including drills, wrenches, vacuum pump, manifold gauge, and safety equipment.

4.2 Indoor Unit Installation:

1. **Mounting Plate Installation:** Securely fasten the mounting plate to the wall, ensuring it is level and can support the unit's weight.
2. **Drill Wall Hole:** Drill a hole (typically 65mm-75mm diameter) through the wall for the refrigerant piping and drainage hose.
3. **Refrigerant Piping Connection:** Connect the refrigerant pipes (liquid and gas lines) to the indoor unit. Ensure connections are tight to prevent leaks.
4. **Drainage Hose Connection:** Connect the drainage hose, ensuring it slopes downwards to allow for proper water flow.
5. **Electrical Wiring:** Connect the electrical wires according to the wiring diagram provided with the unit.
6. **Mount Indoor Unit:** Carefully mount the indoor unit onto the mounting plate.

4.3 Outdoor Unit Installation:

1. **Location and Mounting:** Place the outdoor unit on a stable, level surface or a dedicated mounting bracket. Ensure adequate clearance for airflow.
2. **Refrigerant Piping Connection:** Connect the refrigerant pipes from the indoor unit to the outdoor unit.
3. **Vacuuming and Charging:** Evacuate the refrigerant lines using a vacuum pump to remove air and moisture.

If necessary, charge the system with the correct amount of R-32 refrigerant.

4. **Electrical Connections:** Connect the power supply and communication wires to the outdoor unit as per the wiring diagram.

4.4 Electrical Connections:

The Mirage Life 12+ operates on 110 Volts. All electrical wiring must comply with national and local electrical codes. Ensure the circuit breaker is off before making any electrical connections. Use appropriate gauge wiring for the power supply.

5. OPERATING INSTRUCTIONS

Your Mirage Life 12+ Mini Split is controlled via the wireless remote control. Familiarize yourself with the remote's functions for optimal use.

5.1 Remote Control Functions:

- **ON/OFF Button:** Press to turn the unit on or off.
- **MODE Button:** Cycles through operating modes: Auto, Cool, Dry, Fan, Heat.
- **TEMP +/- Buttons:** Adjusts the desired temperature setting.
- **FAN SPEED Button:** Selects fan speed: Auto, Low, Medium, High.
- **SWING Button:** Controls the vertical airflow direction (louver swing).
- **TIMER ON/OFF Buttons:** Sets the time for the unit to automatically turn on or off.
- **SLEEP Button:** Activates sleep mode for quiet operation and energy saving during sleep.
- **TURBO Button:** Activates rapid cooling or heating for quick temperature adjustment.
- **DISPLAY Button:** Turns the indoor unit's display light on or off.

5.2 Operating Modes:

- **Cool Mode:** For cooling the room. Set desired temperature.
- **Heat Mode:** For heating the room. Set desired temperature.
- **Dry Mode:** Reduces humidity in the room.
- **Fan Mode:** Circulates air without cooling or heating.
- **Auto Mode:** The unit automatically selects the operating mode (Cool, Heat, Fan) based on the room temperature and your set temperature.

5.3 Setting Temperature:

Press the **TEMP +** or **TEMP -** buttons on the remote control to increase or decrease the desired temperature. The temperature range is typically between 16°C and 30°C (60°F and 86°F).

5.4 Timer Function:

To set the timer for automatic ON/OFF, press the **TIMER ON** or **TIMER OFF** button. Use the **TEMP +/-** buttons to adjust the desired time, then press the timer button again to confirm.

6. MAINTENANCE

Regular maintenance ensures the efficient and long-lasting operation of your Mirage Life 12+ Mini Split. Always turn off the power supply to the unit before performing any maintenance.

6.1 Regular Cleaning:

- **Air Filters:** Clean the air filters every two weeks or more frequently if the unit is used heavily or in dusty environments. Remove the filters, wash them with lukewarm water and mild detergent, rinse thoroughly, and allow them to dry completely before reinserting.
- **Indoor Unit Surface:** Wipe the indoor unit's surface with a soft, dry cloth. For stubborn dirt, use a damp cloth with mild detergent, then wipe dry. Do not use harsh chemicals or abrasive cleaners.
- **Outdoor Unit:** Periodically clear any debris (leaves, dirt) from around the outdoor unit. Ensure the coils are free from obstructions. For thorough cleaning of outdoor coils, it is recommended to contact a professional.

6.2 Seasonal Maintenance:

- **Before Summer/Winter:** Have a qualified technician inspect the refrigerant levels, electrical connections, and overall system performance.
- **Drainage Check:** Ensure the drainage hose is not clogged and water can flow freely.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Circuit breaker tripped; Remote control batteries dead.	Check power connection; Reset circuit breaker; Replace remote control batteries.
Insufficient cooling/heating.	Dirty air filters; Blocked outdoor unit; Incorrect mode setting; Low refrigerant.	Clean air filters; Clear obstructions from outdoor unit; Select correct mode; Contact technician for refrigerant check.
Unusual noise.	Loose parts; Fan obstruction; Compressor issue.	Check for loose parts; Remove any obstructions; Contact technician.
Water leakage from indoor unit.	Clogged drainage hose; Improper installation.	Clear drainage hose; Contact technician for re-installation check.
Remote control not working.	Dead batteries; Obstruction between remote and unit; Remote out of range.	Replace batteries; Remove obstructions; Operate within range.

8. TECHNICAL SPECIFICATIONS

Feature	Value
Brand	Mirage
Model Number	2 (MMI12HABWCATME1/MMI12HABWCATMI1)
Colour	White
Product Dimensions	59 x 171 x 92 cm

Feature	Value
Capacity	1 Ton
Power/Wattage	110
Voltage	110 Volts
Noise Level	60 dB
Special Features	Fast Cooling
Item Weight	40 kg
Refrigerant	R-32
Power Source	Electric Cable
Warranty Type	Lifetime




9. WARRANTY AND CUSTOMER SUPPORT

The Mirage Life 12+ Mini Split Air Conditioner comes with a **Lifetime Warranty**, as specified by the manufacturer. Please retain your proof of purchase for warranty claims.

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Mirage customer support. Refer to the product packaging or the official Mirage website for the most current contact information.

Note: Unauthorized service or repairs may void your warranty.

Related Documents

	<p>Mirage LIFE 12 Air Conditioner: User and Installation Manual</p> <p>Comprehensive user and installation manual for the Mirage LIFE 12 series air conditioners, covering operation, features, installation procedures, troubleshooting, and technical specifications.</p>
	<p>Mirage B-24-G VHF Linear Amplifier User Manual</p> <p>User manual for the Mirage B-24-G VHF band high power linear amplifier, detailing features, specifications, installation, precautions, and warranty.</p>
	<p>Mirage B-34 VHF Amplifier: User Manual and Specifications</p> <p>Explore the features, specifications, installation, and troubleshooting for the Mirage B-34 VHF linear power amplifier, designed for 144-148 MHz operation with handheld transceivers.</p>

WARNING !

IMPORTANT NOTICE

RFV has achieved regulatory approval under the FCC Part 15C rules, which require RF energy to be used in a controlled manner. Failure to follow these rules may result in the device not being able to operate properly.

For use, see the technical manual under operation, installation and safety instructions.

RFV NOTE: RFV is a radio frequency device. It is not intended to be used in areas where there are people or animals. It is not intended to be used in areas where there are people or animals. It is not intended to be used in areas where there are people or animals.

If you have any questions about the operation of this amplifier, contact RFV at (800) 527-6227. We are happy to help you.

[Mirage A-1015-G 6 Meter RF Amplifier User Manual](#)

Comprehensive user manual for the Mirage A-1015-G 6 Meter RF Power Amplifier, detailing specifications, installation, operation, and troubleshooting.