Electriq IQOOL-SMART12HP

ElectriQ iQool 10,000BTU Smart Wall-Mounted Air Conditioner & Heat Pump User Manual

BRAND: ELECTRIQ

Model: IQOOL-SMART12HP

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your ElectriQ iQool 10,000BTU Smart Wall-Mounted Air Conditioner & Heat Pump. This all-in-one unit is designed for year-round climate control, offering powerful cooling in summer, cost-effective heating in winter, and dehumidification to manage indoor moisture.

Key features include:

- 10,000BTU Cooling & 9,000BTU Heating: Ideal for rooms up to 30m².
- All-in-One Design – No Outdoor Unit: Requires only two exterior wall vents, preserving external aesthetics and simplifying installation.
- Ultra-Thin Profile (20cm Deep): Comparable in depth to indoor split units but much easier to install.
- Highly Efficient R290 Refrigerant: An eco-friendly refrigerant with zero ozone depletion potential, operating quietly at approximately 58dB(A).
- Smart Features & Scheduling: Wi-Fi enabled for remote control, scheduling, and integration with Alexa or Google Assistant.
- 3-Speed Turbo Fan & Sleep Mode: Adjustable airflow and optimized settings for night-time operation.

Please read this manual thoroughly before installation and use, and retain it for future reference.

SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of fire, electric shock, or injury.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded power outlet with the correct voltage (240 Volts). Do not use extension cords or adapters. Disconnect power before cleaning or servicing.
- **Installation:** Installation must be performed by a qualified person in accordance with all local and national electrical and building codes. Ensure proper ventilation as per installation instructions. The unit uses R290 refrigerant, which

is flammable. Do not puncture the refrigerant circuit.

- **Operation:** Do not insert fingers or objects into the air inlet/outlet. Do not block air vents. Keep children and pets away from the unit during operation.
- **Maintenance:** Only perform maintenance tasks described in this manual. For repairs or internal servicing, contact qualified service personnel. Do not attempt to disassemble the unit.
- **Cleaning:** Use a soft, damp cloth for cleaning the exterior. Do not use abrasive cleaners, waxes, or solvents.
- **Disposal:** Dispose of the unit and its components, especially the refrigerant, according to local regulations.

PRODUCT OVERVIEW

The ElectriQ iQool unit is a compact, wall-mounted system designed for efficient climate control.

Figure 1: Front view of the ElectriQ iQool unit, displaying its sleek white design and integrated digital control panel.

Control Panel

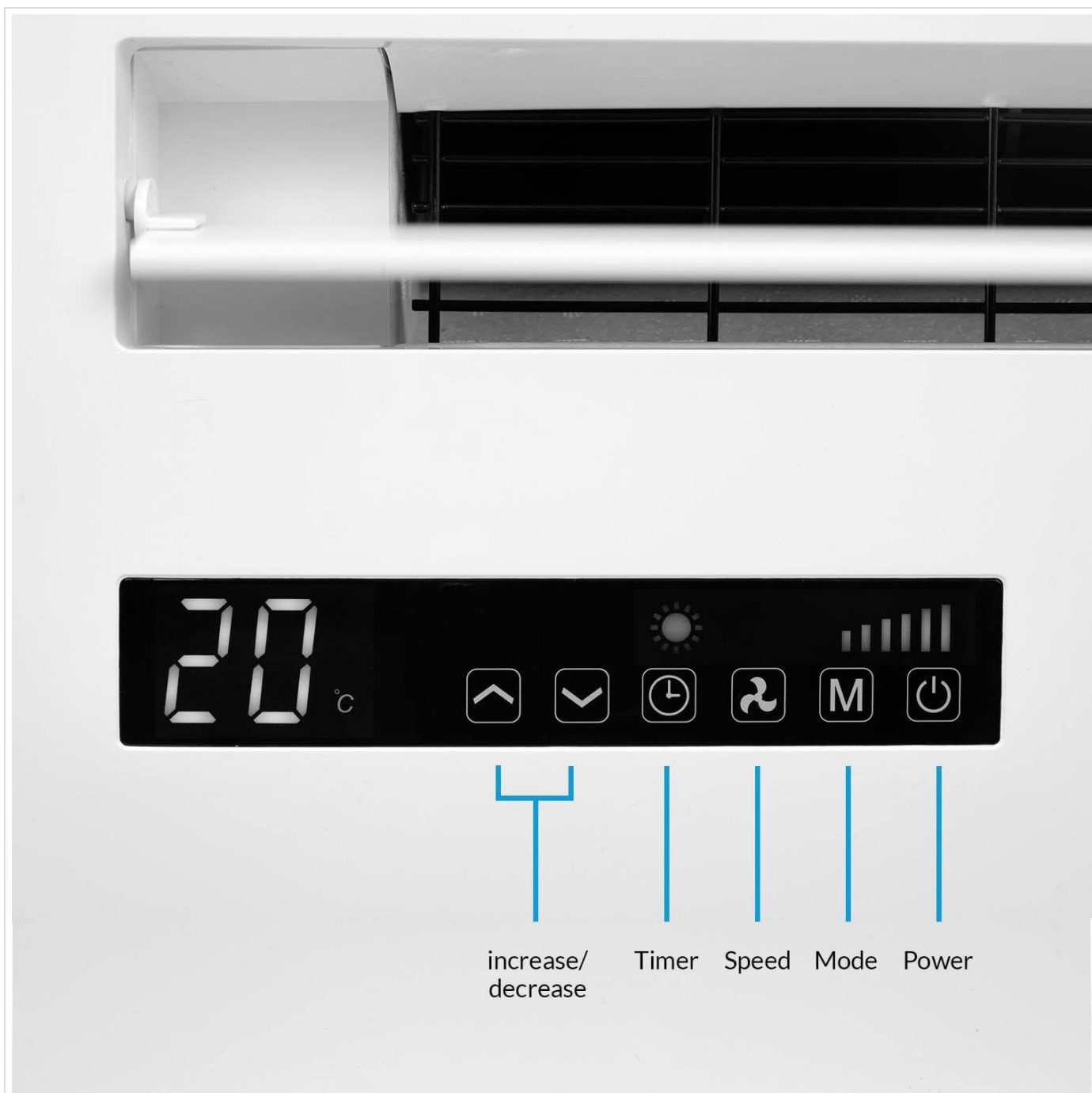The unit features an intuitive digital control panel for direct operation.

Figure 2: Detailed view of the control panel, indicating buttons for temperature adjustment, timer, fan speed, operating mode, and power.

Included Components

The product comes with necessary accessories for installation and operation.

Figure 3: Overview of the ElectriQ iQool unit and its accompanying installation kit, including ducting, covers, remote, and mounting hardware.

Dimensions and Weight

Understanding the unit's dimensions is crucial for planning installation.

Figure 4: Dimensional drawing of the unit, indicating its width (100cm), height (58.5cm), depth (20.5cm), and weight (38kg).

SETUP AND INSTALLATION

The ElectriQ iQool is designed as an all-in-one unit, eliminating the need for a bulky outdoor compressor. Installation primarily involves creating two ventilation holes through the wall.

Wall Ventilation Requirements

Figure 5: Example of the required external wall vents for the unit, demonstrating that no large outdoor compressor is needed.

Mounting Options

The unit can be wall-mounted or used as a freestanding appliance, offering flexibility for various room layouts.

Figure 6: Illustration of the unit's versatility, showing both wall-mounted and freestanding placement options.

Refer to the detailed installation guide included with your product for specific instructions on drilling, mounting, and connecting the unit.

OPERATING INSTRUCTIONS

Your ElectriQ iQool unit offers multiple operating modes and smart control features.

Operating Modes

- **Cooling Mode:** Provides powerful air conditioning for rooms up to 30m².
- **Heating Mode:** Functions as a cost-effective heat pump for winter use.
- **Dehumidify Mode:** Helps reduce humidity levels, preventing dampness and mold.
- **Fan Mode:** Circulates air without heating or cooling.
- **Sleep Mode:** Optimizes noise and energy consumption for comfortable night-time operation.

Smart Control Features

The unit is Wi-Fi enabled, allowing for convenient control via a smartphone app and voice assistants.

- **Wi-Fi Connectivity:** Connect the unit to your home Wi-Fi network to enable remote control. Download the dedicated ElectriQ app on your smartphone.
- **Remote Control via App:** Manage all functions, set schedules, and monitor the unit from anywhere using your smartphone.
- **Voice Assistant Integration:** Compatible with Amazon Alexa and Google Assistant for hands-free control.

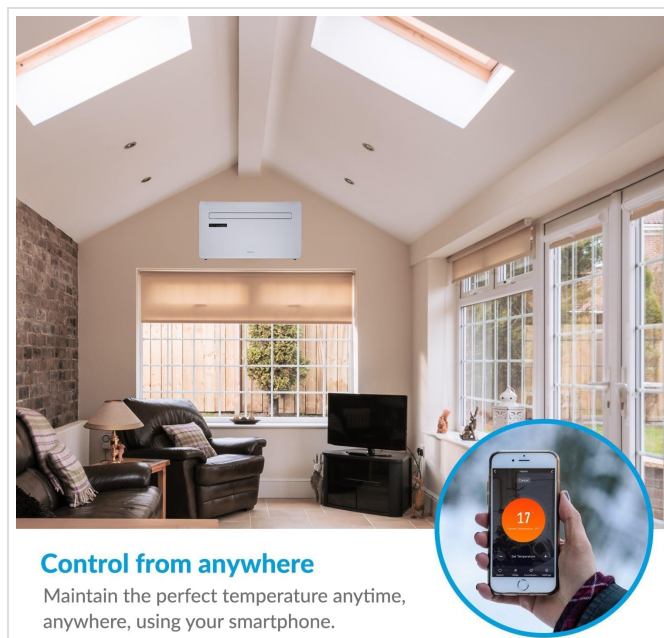Figure 7: Example of voice control using Amazon Alexa to adjust the unit's temperature setting.

Figure 8: Remote control of the unit via a smartphone app, allowing temperature adjustments from any location.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your ElectriQ iQool unit.

- **Exterior Cleaning:** Wipe the exterior casing with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.

- **Air Filter Cleaning:** The unit is equipped with air filters that should be cleaned regularly (e.g., every 2-4 weeks, depending on usage and air quality). Refer to the full instruction manual for specific filter removal and cleaning procedures. Clean filters improve air quality and unit efficiency.
- **Preventing Mold and Odors:** To prevent the buildup of mold and unpleasant odors, especially in dehumidify or cooling modes, ensure adequate ventilation in the room. Regularly clean the air filters and ensure the unit is allowed to dry internally by running it in fan-only mode for a short period before extended shutdowns. As this is a sealed unit, internal cleaning beyond user-accessible filters requires professional service.
- **Ventilation Holes:** Periodically check the external ventilation holes for any obstructions (e.g., debris, insects) and clear them to ensure proper airflow.

For any internal issues or complex repairs, contact qualified service personnel. Do not attempt to open or repair the sealed refrigerant system yourself.

TROUBLESHOOTING

If you encounter issues with your unit, refer to the following common troubleshooting steps before contacting support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; power cord not plugged in; circuit breaker tripped.	Check power connection; reset circuit breaker; ensure power outlet is functional.
Insufficient cooling/heating.	Air filters are dirty; room size exceeds capacity; windows/doors open; air inlet/outlet blocked.	Clean air filters; ensure unit is suitable for room size; close windows/doors; clear obstructions.
Unusual noise during operation.	Unit not level; foreign object in fan; internal component issue.	Ensure unit is on a stable, level surface; check for visible obstructions (after disconnecting power); if noise persists, contact service.
Bad odor from unit.	Mold or mildew buildup; dirty filters.	Clean air filters thoroughly. Run unit in fan-only mode to dry internal components. Ensure proper room ventilation. If odor persists, professional cleaning may be required.
Wi-Fi connectivity issues.	Incorrect Wi-Fi password; router issues; unit too far from router.	Verify Wi-Fi password; restart router; move unit closer to router or use a Wi-Fi extender. Refer to app instructions for pairing.

If the problem persists after attempting these solutions, please contact ElectriQ customer support.

SPECIFICATIONS

Attribute	Value
Brand	Electriq
Model	IQOOL-SMART12HP
Product Dimensions (D x W x H)	20.5 x 100 x 58.5 cm
Item Weight	38 kg
Energy Efficiency	A

Attribute	Value
Cooling Capacity	10,000 BTU
Heating Capacity	9,000 BTU
Noise Level	58 dB
Installation Type	Wall Mounted (Split System design, no outdoor unit)
Refrigerant	R-290
Voltage	240 Volts
Special Features	Slim, Space-Saving Design, Smart Control & Scheduling, Eco Smart R290 Refrigerant, Quiet & Convenient Use, No Outdoor Unit Needed

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official ElectriQ website. The warranty typically covers manufacturing defects for a specified period from the date of purchase.

If you require technical assistance, troubleshooting beyond this manual, or warranty service, please contact ElectriQ customer support. Have your model number (IQOOL-SMART12HP) and purchase details ready when contacting support.

ElectriQ Customer Support: Please refer to the contact information provided in your product packaging or on the official ElectriQ website (www.electriq.co.uk).