

Inventum AC901

Inventum AC901 Portable Air Conditioner User Manual

Model: AC901 | Brand: Inventum

1. IMPORTANT SAFETY INFORMATION

Please read this manual carefully before operating your Inventum AC901 Portable Air Conditioner. Keep it for future reference. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Always plug the unit into a grounded electrical outlet. Do not use extension cords or adapter plugs. Ensure the voltage matches the unit's requirements (220-240V, 50Hz).
- **Placement:** Place the unit on a flat, stable surface. Maintain at least 30 cm (12 inches) clearance from walls and other objects to ensure proper airflow.
- **Ventilation:** Ensure the exhaust hose is properly installed and vented outdoors to expel hot air. Do not block the air inlets or outlets.
- **Children and Pets:** Keep children and pets away from the unit during operation. This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities unless supervised.
- **Cleaning and Maintenance:** Always unplug the unit before cleaning or performing any maintenance. Do not use harsh chemicals or abrasive cleaners.
- **Water Drainage:** Regularly check and drain the water tank to prevent overflow, especially in dehumidifying mode.

2. PRODUCT OVERVIEW

Familiarize yourself with the components of your Inventum AC901 Portable Air Conditioner.





Figure 2.1: Side view of the Inventum AC901 Portable Air Conditioner, showing its compact design and integrated wheels for easy mobility.

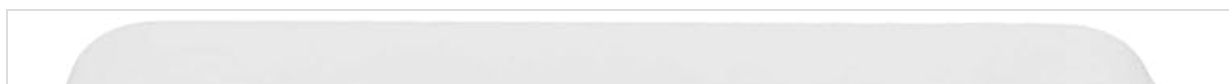






Figure 2.2: Front view of the AC901 unit, highlighting the air outlet grille and the 'INVENTUM' branding.



Figure 2.3: Close-up of the top control panel with touch buttons for Power, Mode, Temperature adjustment, Fan Speed, and Timer, along with a digital display.



Figure 2.4: The remote control for the AC901, featuring buttons for Speed, Temp+, Mode, Temp-, Timer, and Power, allowing convenient operation from a distance.

Main Components:

- **Control Panel:** Located on top of the unit, with touch buttons and a digital display.
- **Air Outlet:** Front grille where conditioned air is expelled.
- **Air Inlet:** Rear or side grilles where air is drawn into the unit.
- **Exhaust Hose Connection:** Port at the rear for attaching the exhaust hose.

- **Water Drain Port:** For manual or continuous drainage of condensed water.
- **Caster Wheels:** For easy movement of the unit.
- **Remote Control:** For convenient operation from a distance.

3. SETUP

Follow these steps to set up your portable air conditioner for optimal performance.

3.1 Unpacking

1. Carefully remove the unit and all accessories from the packaging.
2. Check for any shipping damage. If damaged, do not operate and contact customer support.
3. Retain the original packaging for future storage or transport.

3.2 Placement

Choose a suitable location for your air conditioner.

- Place the unit on a firm, level surface.
- Ensure there is at least 30 cm (12 inches) of clear space around the unit for proper air circulation.
- Position the unit near a window or door for easy exhaust hose installation.

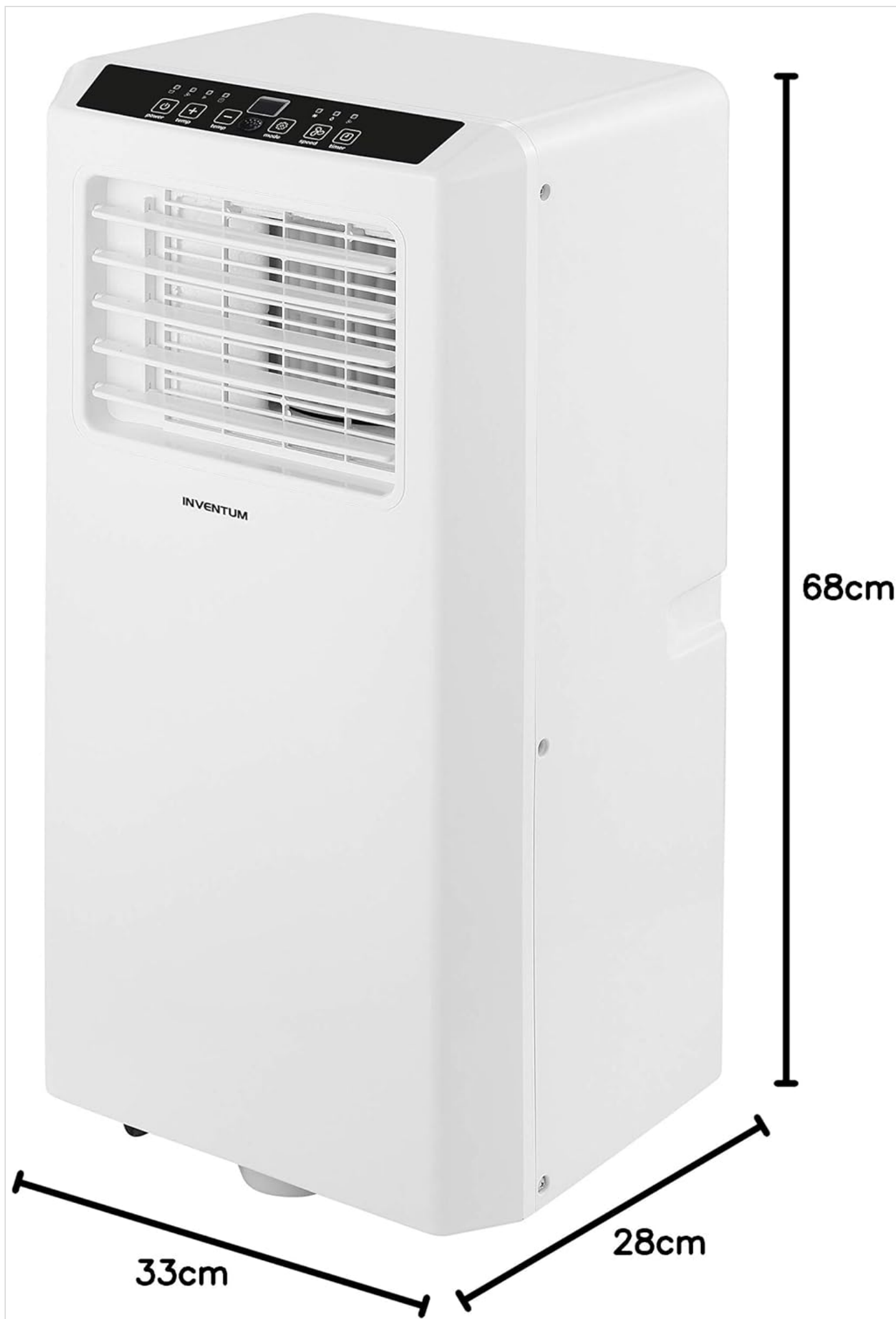


Figure 3.1: Dimensions of the Inventum AC901 unit: 33cm (width) x 28cm (depth) x 68cm (height), useful for planning placement.

3.3 Exhaust Hose Installation

The exhaust hose is crucial for expelling hot air from the room.

1. Attach the exhaust hose connector to the rear outlet of the unit.
2. Extend the exhaust hose and attach the window kit adapter to the other end.
3. Install the window kit in a suitable window opening, ensuring a tight seal to prevent hot air from re-entering the room.
4. Ensure the exhaust hose is as short and straight as possible to maximize efficiency. Avoid kinks or sharp bends.

3.4 Power Connection

- Plug the power cord into a grounded 220-240V, 50Hz electrical outlet.
- Do not share the outlet with other high-power appliances.

4. OPERATING INSTRUCTIONS

Learn how to operate your Inventum AC901 using the control panel or remote control.

4.1 Control Panel Functions

- **Power Button ()**: Press to turn the unit ON or OFF.
- **Mode Button ()**: Press to cycle through operating modes: Cool, Heat, Dehumidify, Fan.
- **Temperature Up (+) / Down (-) Buttons**: Adjust the desired temperature setting.
- **Fan Speed Button ()**: Select fan speed (Low, Medium, High).
- **Timer Button ()**: Set the auto-on or auto-off timer.
- **Display**: Shows current temperature, timer settings, and error codes.

4.2 Remote Control Functions

The remote control duplicates most functions of the control panel for convenience.

- **POWER**: Turns the unit ON/OFF.
- **MODE**: Cycles through operating modes.
- **TEMP+ / TEMP-**: Adjusts temperature.
- **SPEED**: Adjusts fan speed.
- **TIMER**: Sets the timer function.

4.3 Operating Modes

- **Cooling Mode**: Lowers room temperature. Set desired temperature using TEMP+/- buttons.
- **Heating Mode**: Raises room temperature. Set desired temperature using TEMP+/- buttons.
- **Dehumidifying Mode**: Removes excess moisture from the air. Fan speed is typically fixed in this mode.
- **Fan Mode**: Circulates air without cooling or heating. Select desired fan speed.

4.4 Timer Function

The timer allows you to set the unit to automatically turn on or off after a set period (1-24 hours).

- **To set Auto-Off**: With the unit ON, press the TIMER button. Use TEMP+/- to set the desired hours. The unit will turn off after the set time.
- **To set Auto-On**: With the unit OFF, press the TIMER button. Use TEMP+/- to set the desired hours. The unit will turn on after the set time.

4.5 Water Drainage

The unit collects condensed water during operation. It has a self-evaporating system, but in high humidity, the water tank may fill up.

- **Manual Drainage:** When the water tank is full, the unit will stop operating and display an indicator. Turn off the unit, place a shallow pan under the drain port, and remove the drain plug to empty the water.
- **Continuous Drainage:** For continuous operation in high humidity, attach a drain hose (not included) to the continuous drain port and direct it to a floor drain or bucket.

5. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your unit.

5.1 Cleaning the Air Filter

The air filter should be cleaned every two weeks or more frequently depending on usage.

1. Unplug the unit from the power outlet.
2. Locate and remove the air filter from the rear of the unit.
3. Wash the filter under running water (warm, soapy water if very dirty).
4. Allow the filter to air dry completely before reinserting it. Do not expose to direct sunlight.

5.2 Cleaning the Exterior

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use harsh chemicals, abrasive cleaners, or solvents.

5.3 Storage

If storing the unit for an extended period:

1. Drain all condensed water from the unit.
2. Clean the air filter and allow it to dry.
3. Run the unit in fan-only mode for a few hours to dry the internal components.
4. Unplug the power cord and coil it neatly.
5. Store the unit in a cool, dry place, preferably in its original packaging.

6. TROUBLESHOOTING

Before contacting customer support, try these common troubleshooting steps.

Problem	Possible Cause	Solution
Unit does not turn on	No power; Power cord unplugged; Circuit breaker tripped; Water tank full.	Check power connection; Plug in securely; Reset circuit breaker; Drain water tank.
Unit not cooling effectively	Air filter dirty; Exhaust hose blocked/kinked; Room too large; Doors/windows open; Temperature setting too high.	Clean air filter; Check and straighten exhaust hose; Close doors/windows; Lower temperature setting.
Unit is noisy	Unit not on a level surface; Air filter dirty; Obstruction in fan.	Place on a level surface; Clean air filter; Check for obstructions.

Problem	Possible Cause	Solution
Water leakage	Drain plug loose; Unit tilted; Continuous drain hose not properly connected.	Ensure drain plug is secure; Place unit on level surface; Check continuous drain hose connection.
Remote control not working	Batteries dead; Obstruction between remote and unit; Remote too far.	Replace batteries; Remove obstructions; Move closer to unit.

Error Codes:

- **FL (Full Water):** The internal water tank is full. Drain the water as described in Section 4.5.
- **E1 (Temperature Sensor Error):** Unplug the unit for 5 minutes and plug it back in. If the error persists, contact support.
- **E2 (Coil Temperature Sensor Error):** Unplug the unit for 5 minutes and plug it back in. If the error persists, contact support.

7. SPECIFICATIONS

Technical specifications for the Inventum AC901 Portable Air Conditioner.

Feature	Specification
Model Name	AC901
Brand	Inventum
Dimensions (L x W x H)	33 x 28 x 68 cm
Item Weight	0.12 Kilograms <i>(Note: This weight may be a data entry error and typically refers to packaging weight. Actual unit weight is significantly higher.)</i>
Wattage	1000 watts
Voltage	240 Volts
Power Source	Corded Electric
Noise Level	65 dB
Special Features	Idle Wheel, Integrated display, Remote Controlled
Functions	Cooling, Heating, Dehumidifying



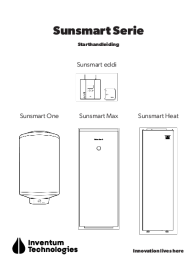
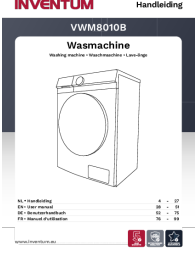
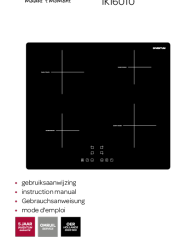
8. WARRANTY AND SUPPORT

Inventum products are manufactured to the highest quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship from the date of purchase.

For warranty claims, technical support, or service inquiries, please contact your retailer or the Inventum customer service department. Please have your model number (AC901) and proof of purchase ready when contacting support.

Contact Information:

Related Documents - AC901

	<p>Inventum MN237CS Combi Magnetron Handleiding</p> <p>Download de officiële handleiding voor de Inventum MN237CS combi magnetron. Vind instructies, veiligheidsvoorschriften en onderhoudstips voor uw apparaat.</p>
	<p>Inventum KK550B/02 Freestanding Refrigerator Freezer Parts Diagram</p> <p>Exploded view diagram and parts list for the Inventum KK550B/02 freestanding refrigerator and freezer, detailing all components for identification and replacement.</p>
	<p>Inventum Sunsmart Serie: Starthandleiding voor Installatie en Gebruik</p> <p>Ontdek de Inventum Sunsmart Serie met deze starthandleiding. Leer hoe u de Sunsmart boilers (One, Max, Heat) installeert en configureert met de eddi en harvi voor efficiënt gebruik van zonne-energie voor warm tapwater. Informatie voor installateurs.</p>
	<p>Inventum VWM8010B Wasmachine Handleiding</p> <p>Deze handleiding biedt essentiële informatie voor de Inventum VWM8010B wasmachine, inclusief installatie, bediening, veiligheid en onderhoud. Ontdek hoe u uw Inventum wasmachine optimaal gebruikt.</p>
	<p>Inventum IKI6010 Inductie Kookplaat Handleiding</p> <p>Ontdek de Inventum IKI6010 inductie kookplaat met deze uitgebreide handleiding. Leer over veiligheidsvoorschriften, bediening, reiniging en installatie.</p>



[Inventum KK475W Koeler Gebruiksaanwijzing](#)

Gedetailleerde handleiding voor de Inventum KK475W koeler, inclusief installatie, gebruik, onderhoud en probleemoplossing. Zorg voor optimale prestaties van uw koelkast.