

Daitsu DS18KDP

Daitsu Artic DS18KDP Inverter A++ Split Wall Air Conditioner User Manual

Model: DS18KDP (3NDA01550)

INTRODUCTION

This user manual provides essential information for the safe and efficient operation, installation, and maintenance of your Daitsu Artic DS18KDP Inverter A++ Split Wall Air Conditioner. Please read this manual thoroughly before using the appliance and keep it for future reference. Proper use and maintenance will ensure optimal performance and longevity of your air conditioning unit.

SAFETY INFORMATION

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

- **Professional Installation:** Installation, relocation, and maintenance of the air conditioner must be performed by qualified personnel. Improper installation can lead to electric shock, fire, or water leakage.
- **Power Supply:** Ensure the power supply matches the specifications of the unit. Do not use damaged power cords or plugs. Always disconnect power before cleaning or servicing.
- **Refrigerant:** The unit contains R-32 refrigerant. Do not discharge refrigerant into the atmosphere. Contact a qualified technician for any refrigerant-related issues.
- **Ventilation:** Ensure proper ventilation around the outdoor unit to prevent overheating. Do not block air inlets or outlets.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation. Do not allow children to play with the air conditioner.
- **Water and Moisture:** Do not expose the indoor unit to direct water spray. In case of water leakage, immediately turn off the unit and disconnect power.

PACKAGE CONTENTS

Upon unpacking, verify that all components are present and undamaged:

- Indoor Unit
- Outdoor Unit
- Remote Control
- User Manual (this document)
- Installation Kit (pipes, cables, etc. - typically supplied by installer)



Image: The complete Daitsu Artic DS18KDP system, showing the sleek white indoor unit, the robust outdoor condenser unit, and the compact remote control.

PRODUCT OVERVIEW

Indoor Unit

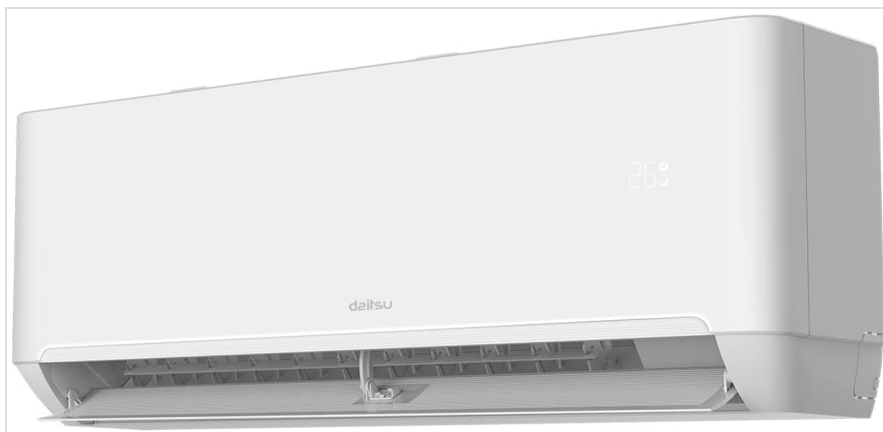


Image: The Daitsu Artic DS18KDP indoor unit, featuring a clean white finish and a digital display on the right side.
The indoor unit is designed for quiet operation and efficient air distribution. It features a compact and elegant design with a fabric effect front panel that integrates seamlessly into various room aesthetics. A digital display indicates the set temperature and operational status.

Outdoor Unit



Image: The Daitsu Artic DS18KDP outdoor unit, showing the protective grille over the fan and the Daitsu branding.
The outdoor unit houses the compressor and condenser coil, responsible for heat exchange with the outside air. It is built to withstand various weather conditions and is designed for efficient energy transfer.

Remote Control

The remote control allows you to conveniently operate all functions of the air conditioner. Key buttons typically include:

- **Power:** Turns the unit on/off.
- **Mode:** Selects operating mode (Cool, Heat, Fan, Dry, Auto).
- **Fan:** Adjusts fan speed.
- **Temp +/-:** Adjusts temperature setting.
- **Timer:** Sets auto on/off times.
- **Turbo:** Activates rapid cooling/heating.
- **ECO:** Engages energy-saving mode.
- **Sleep:** Optimizes settings for comfortable sleep.
- **Clean/Health:** Activates self-cleaning or air purification functions.

SETUP AND INSTALLATION

Installation of this split system air conditioner requires specialized tools and knowledge. It is strongly recommended that installation be performed by a certified HVAC professional.

Before Installation

- Ensure the chosen location for both indoor and outdoor units allows for proper airflow and maintenance access.
- Verify that the electrical supply meets the unit's requirements (220-240V/1/50Hz).
- Confirm that the wall structure can support the weight of the indoor unit.

Wi-Fi Setup

Your Daitsu Artic DS18KDP includes integrated Wi-Fi control, allowing you to manage the unit via a smartphone application. To set up Wi-Fi:

1. Download the official Daitsu control application from your smartphone's app store.
2. Follow the in-app instructions to register your device and connect it to your home Wi-Fi network. This typically involves putting the unit into a pairing mode and entering your Wi-Fi credentials.
3. Once connected, you can control the air conditioner remotely, set schedules, and monitor its status from your smartphone.

OPERATING INSTRUCTIONS

Familiarize yourself with the remote control to effectively operate your air conditioner.

Basic Operation

- **Power On/Off:** Press the **Power** button to turn the unit on or off.
- **Mode Selection:** Press the **Mode** button repeatedly to cycle through available modes: Cool, Heat, Fan, Dry, Auto.
- **Temperature Adjustment:** Use the **Temp +/-** buttons to set your desired temperature.
- **Fan Speed:** Press the **Fan** button to adjust the fan speed (Auto, Low, Medium, High).

Special Features

- **Turbo Mode:** Activates maximum fan speed and cooling/heating capacity for rapid temperature change.
- **ECO Mode:** Optimizes operation for energy efficiency, reducing power consumption while maintaining comfort.
- **Sleep Mode:** Adjusts temperature and fan speed automatically during sleep for enhanced comfort and energy saving.
- **Timer Function:** Allows you to program the unit to turn on or off automatically at specified times.
- **Clean/Health Function:** Engages internal cleaning cycles or air purification features to maintain indoor air quality.

MAINTENANCE

Regular maintenance ensures the efficiency and longevity of your air conditioner. Always disconnect power before performing any maintenance.

Cleaning the Air Filter

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

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water (below 40°C).
4. Allow filters to dry completely in a shaded area before reinserting them.

Cleaning the Indoor Unit

Wipe the indoor unit's surface with a soft, damp cloth. Do not use harsh detergents, abrasive cleaners, or solvents, as they may damage the plastic surfaces.

Cleaning the Outdoor Unit

Periodically check the outdoor unit for debris, leaves, or obstructions around the fan and coils. Clear any blockages to ensure proper airflow. For thorough cleaning of coils, consult a professional.

Seasonal Maintenance

- **Before Summer:** Ensure the outdoor unit is clear of debris. Check for any unusual noises during initial operation.
- **Before Winter:** If using for heating, ensure the outdoor unit is not obstructed by snow or ice.
- **Annual Check-up:** Consider an annual professional inspection to ensure optimal performance and identify any potential issues.

TROUBLESHOOTING

Before contacting service, refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries dead; Circuit breaker tripped.	Check power connection; Replace batteries; Reset circuit breaker.
Insufficient cooling/heating	Dirty air filter; Temperature setting incorrect; Doors/windows open; Outdoor unit obstructed.	Clean air filter; Adjust temperature; Close doors/windows; Clear obstructions.
Strange noise	Normal operating sounds (refrigerant flow, fan); Loose parts (rare).	Most noises are normal. If unusual, contact service.
Water leakage from indoor unit	Drain pipe clogged or kinked; Improper installation.	Check and clear drain pipe. If issue persists, contact professional service.
Remote control not working	Batteries dead or incorrectly inserted; Obstruction between remote and unit.	Replace batteries; Ensure clear line of sight to indoor unit.

SPECIFICATIONS

Detailed technical specifications for the Daitsu Artic DS18KDP Air Conditioner:

Specification	Value
Brand	Daitsu
Model (Item Model Number)	3NDA01550
Product Dimensions (Indoor Unit)	30.6H x 92W x 19.5D cm
Product Dimensions (Outdoor Unit)	60.2H x 85.3W x 34.9D cm
Total Item Weight	46 kg (Indoor: 11 kg, Outdoor: 35 kg)
Cooling Power Nominal (Min-Max)	5.1 kW (1.25~5.9 kW) / 18,000 BTU
Rated Heating Power (Min-Max)	5.13 kW (1.25~6.1 kW)
Annual Electrical Consumption (Cooling)	293 kWh/year
Annual Electrical Consumption (Heating, Average Season)	1330 kWh/year

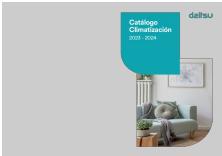
Specification	Value
SEER (Energy Class Cooling)	6.1 (A++)
SCOP (Energy Class Heating, Average Season)	4.0 (A+)
EER / COP (Cooling/Heating)	3.24 / 3.71
Power Supply	220-240V / 1 Phase / 50 Hz
Current Consumption (Cooling/Heating)	8.2 A / 7.2 A
Rated Power Consumption (Cooling/Heating)	1.57 kW / 1.38 kW
Air Flow (Indoor Unit)	820 m³/h
Air Flow (External Unit)	2600 m³/h
Operating Range (Cooling)	-15°C to +53°C
Operating Range (Heating)	-20°C to +30°C
Sound Pressure (Indoor Unit SA/A/M/B/SB)	44/41/38/35/27 dB(A)
Sound Pressure (External Unit)	55 dB(A)
Sound Power (Indoor Unit SA/A/M/B/SB)	54/50/47/43/36 dB(A)
Sound Power (External Unit)	65 dB(A)
Piping Diameter (Gas)	1/4" - 3/8" inches
Max Cold Line Length / Max Difference	25 m / 10 m
Refrigerant Type/GWP	R-32 / 675
Refrigerant Load (Kg / TCO2eq)	1.00 kg (0.67 TCO2eq)
Wi-Fi	Included
Colour	White
Installation Type	Split System
Start Year	2024

WARRANTY AND SUPPORT

Your Daitsu Artic DS18KDP Air Conditioner comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty period and coverage details. For technical support, service requests, or inquiries not covered in this manual, please contact your authorized Daitsu dealer or the customer service department. Ensure you have your model number (DS18KDP or 3NDA01550) and purchase date available when contacting support.

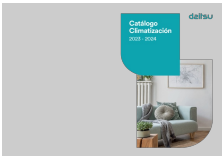
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