

novita



ND2000

2-IN-1 DEHUMIDIFIER
WITH HEPA AIR PURIFICATION

UP TO 20 MILLION
NEGATIVE IONS/CM³



PRODUCT FEATURES



2-IN-1
DEHUMIDIFIER
WITH HEPA AIR
PURIFICATION



PURIPRO®
FILTRATION
SYSTEM



PREFERRED
HUMIDITY
SETTING



AUTO
HUMIDITY
SENSOR



AIR QUALITY
SENSOR
LIGHT INDICATOR



FOUR
PROGRAMMED
MODES



ROTARY
COMPRESSOR



FILTER
REPLACEMENT
INDICATOR



AUTO STOP
WITH FULL TANK
INDICATOR



CONTINUOUS
DRAINAGE
OPTION



OPERATING INSTRUCTIONS

Please read instructions before using the 2-in-1 Dehumidifier

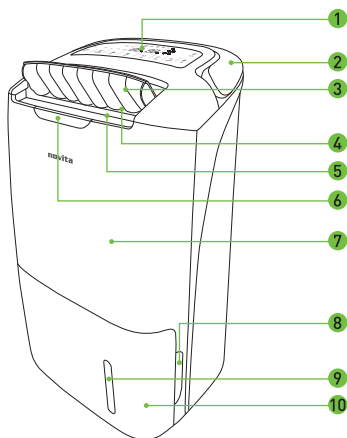
CONTENTS

PRODUCT DESCRIPTION	02
CONTROL PANEL & LCD DISPLAY DESCRIPTION	03
TECHNICAL SPECIFICATIONS	04
PURIPRO® FILTRATION SYSTEM	05
FEATURES	06
<ul style="list-style-type: none">• 2-In-1 Dehumidifier with HEPA Air Purification• 4 Programmed Modes• Childlock Function• Oscillating Air Outlet• Fan Speed Setting Option• Timer Function• Semi-Permanent Built-In Ionizer• Auto Humidity Sensor• Room Humidity / Temperature Display• Filter Replacement Indicator• Auto-Shut Off• Defrost Mode• Pre-Filter Screen• Continuous Drainage Option	
USING THE NOVITA 2-IN-1 DEHUMIDIFIER	11
<ul style="list-style-type: none">• Setting Up• Operating Notes• Emptying the Water Tank• 12 Months* PuriPRO® Filter Replacement	
CLEANING & MAINTENANCE	16
<ul style="list-style-type: none">• Cleaning the novita 2-In-1 Dehumidifier• Cleaning the 2-In-1 Air Inlet Frame & Pre-Filter Screen	
TROUBLESHOOTING	19
SAFETY PRECAUTIONS	21
SAFETY INSTRUCTIONS	21

PRODUCT DESCRIPTION

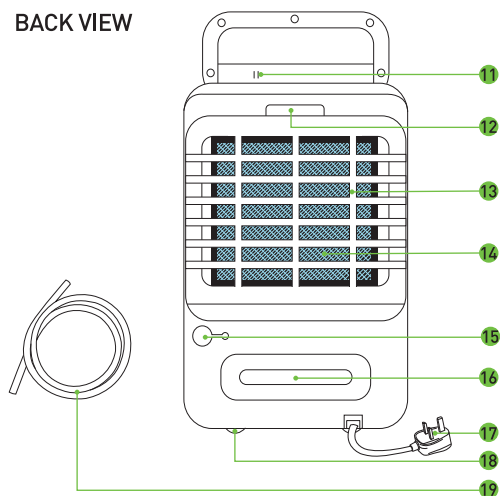
2-In-1 Dehumidifier ND2000

FRONT VIEW



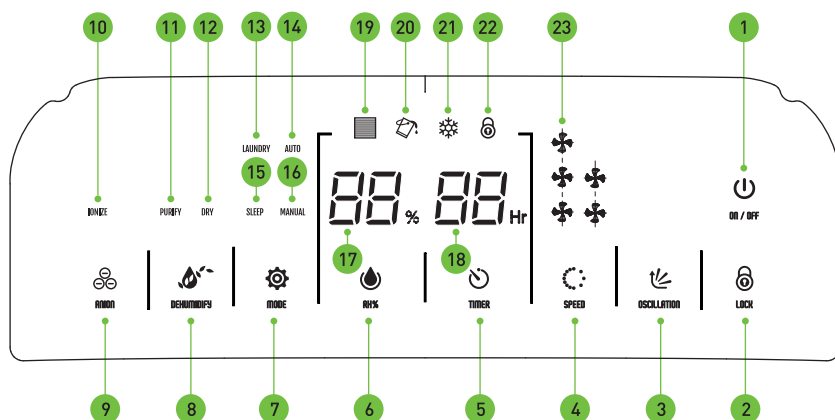
- 1 Control Panel
- 2 Carrying Handle
- 3 Oscillating Flaps
- 4 Air Outlet
- 5 Semi-Permanent Built-In Ionizer
- 6 Air Quality Sensor Light Indicator
- 7 Front Panel Casing
- 8 Water Tank Side Recess
- 9 Water Level Indicator
- 10 Water Tank

BACK VIEW



- 11 Built-In Chemical Pollutant Sensor
- 12 Air Inlet Frame Top Recess
- 13 Air Inlet Frame & Pre-Filter Screen
- 14 PuriPRO® Filter (Assembled inside unit)
- 15 Drainage Stopper & Outlet
- 16 Cord Holder
- 17 Power Cord & Plug
- 18 Easy Roll Castors
- 19 Continuous Drainage Hose

CONTROL PANEL & LCD DISPLAY DESCRIPTION



- 1 Power Control
- 2 Childlock
- 3 Oscillation
- 4 Fan Speed
- 5 Timer
- 6 RH% Setting
- 7 Prog. Mode
- 8 Dehumidify Function
- 9 Anion / Filter Reset
- 10 Anion Mode On Indicator
- 11 Air Purification Function Indicator
- 12 Dehumidification Function Indicator
- 13 Laundry Drying Mode On Indicator
- 14 Auto Mode On Indicator
- 15 Sleep Mode On Indicator
- 16 Manual Mode On Indicator
- 17 RH% Display / Temperature Display
- 18 Timer Display
- 19 Filter Replacement Indicator
- 20 Full Tank Indicator
- 21 Defrost Indicator
- 22 Childlock On Indicator
- 23 Fan Speed Indicator

TECHNICAL SPECIFICATIONS

Extraction Rate	20 L/Day (30°C, 80% RH)				
Voltage / Frequency	220 – 240 V / 50 Hz				
Dehumidification Rated Power	310 Watts				
Dehumidification Max. Power	370 Watts				
Dehumidification Fan Speed	1	I 2	I 3	I 4	I Laundry Drying
Dehumidification Air Flow Rate	100 m³/hr	I 126 m³/hr	I 149 m³/hr	I 180 m³/hr	I 250 m³/hr
Dehumidification Recommended Coverage ^Δ	10 m² or 107 ft²	I 12 m² or 129 ft²	I 14 m² or 150 ft²	I 18 m² or 193 ft²	I 25 m² or 269 ft²
Air Purification Fan Speed	1	I 2	I 3	I 4	I 5
Air Purification Rated Power	8 Watts	I 11 Watts	I 18 Watts	I 23 Watts	I 45 Watts
Air Purification Air Flow Rate	38 m³/hr	I 120 m³/hr	I 198 m³/hr	I 235 m³/hr	I 300 m³/hr
Air Purification Recommended Coverage ^Δ	3.8 m² or 40 ft²	I 12 m² or 129 ft²	I 19 m² or 204 ft²	I 23 m² or 247 ft²	I 30 m² or 322 ft²
Humidity Setting	Available				
Auto Humidity Sensor	Available				
Continuous Drainage	Available				
Easy Roll Castors	Available				
Operating Temperature	5 °C to 35 °C				
Compressor	Rotary				
Refrigerant	R-134A				
Weight	13.5 Kg				
Dimension (W x D x H)	343 mm x 300 mm x 617 mm				
Tank Capacity	4 Litres				
Negative Ion Density*	Up to 20 Million/cm³				
Product Accessory	<ul style="list-style-type: none"> • PVC Hose (12 mm inner diameter) • PuriPRO® Filter – Cool Catalyst + Granular Activated Carbon + 99.97% True HEPA – Suggested Replacement: 12 months* (Approx. 3,000 hours) 				

Δ It is recommended to confine to the stated recommended coverage area for effective and optimum dehumidification, laundry drying and air purification performance.

+ Negative ion density measurement is based from source emission.

* Based on average good indoor air quality, eight (8) hours a day, seven (7) days usage, under normal domestic indoor environment usage.

PURIPRO® FILTRATION SYSTEM



LEGEND

ALLERGENS



GERMS



The contaminants are magnified for better illustration purposes only and they are not in actual proportion to the Filters.

◊ Cool Catalyst, Granular Activated Carbon & 99.97% True HEPA Filter are combined as a single filter unit.

Step 1: Pre-Filter Screen

Pre-Filter Screen provides the first layer of air filtering system by capturing larger particles to improve the durability and enhance performance of subsequent filters.

Function: • Trap large particles such as hair, scurf, coarse particulates and fine dust present in the air.
• Prolong the lifespan of subsequent filters.

Step 2: Cool Catalyst Filter[◊]

Cool catalyst filter produces reactive oxidants to oxidize and eliminate airborne germs and harmful volatile organic compounds (VOCs). This reaction breaks down the contaminants into carbon dioxide and water molecules under normal room temperature environment.

Function: • Oxidize and eliminate airborne germs and harmful volatile organic compounds (VOCs).

Step 3: Granular Activated Carbon Filter[◊]

Granular Activated Carbon removes unpleasant odours and chemicals in the air with its highly adsorbent granules. Each granule contains millions of microscopic pores to provide a large surface area capacity to adsorb volatile organic compounds (VOCs), unpleasant odour and airborne chemicals.

Function: • Adsorb volatile organic compounds (VOCs), unpleasant odour and airborne chemicals.

Step 4: 99.97% True HEPA Filter[◊]

A High Efficiency Particulate Absorbing / Arrestance or True HEPA filter has high air filtering efficiency. It is capable of removing up to 99.97% of airborne allergens and germs with a size of 0.3 micrometers in diameter which includes very fine dusts, haze and smoke particulates, pet dander, mold spores, pollen some bacteria and viruses.

Function: • Remove up to 99.97% of airborne allergens and germs such as fine dusts, haze and smoke particulates, pet dander, mold spores, pollen, some bacteria and viruses.

Step 5: Built-In Ionizer (Semi-Permanent)

Semi-Permanent Built-in Ionizer produces million of negative ions to promote air purification through the elimination of airborne allergens and germs. Negative ions also help to freshen up the air quality.

Function: • Eliminate airborne allergens and germs such as pollen, dust mites, pet dander, mold spores, bacteria, fungi and viruses.
• Freshen up the air quality.

FEATURES

2-In-1 Dehumidifier With HEPA Air Purification

PURIFY

AIR PURIFICATION

Equipped with a novita PuriPRO® Filter, let the Air Purification Function helps to keep airborne allergens and germs at bay. Trapping up to 99.97% of airborne allergens and germs of 0.3 micrometre in size, you can be assured of quality air with its proven efficiency. Additionally, fitted with a chemical pollutant sensor, the air quality chemical pollutant index can be conveniently show through its 5 coloured light indicators for a complete air quality detection. Enjoy an allergen-free, healthier and more comfortable living space all year round.

DRY

DEHUMIDIFICATION

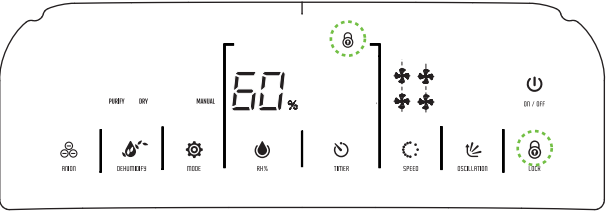
ND2000 is your reliable humidity control that maintains relative humidity levels in your surrounding environment. Effectively remove excess moisture to safeguard and protect your valuable from mold and mildew growth that thrives under high humidity conditions. It can also double up as an effective laundry drying device that promote a speedier laundry drying duration with its 3 accompanying features - PuriPRO® Filter, Dehumidification and Negative Ions.

4 Programmed Modes


Under Dehumidification Function, user is able to select 4 programmed modes namely, Auto, Manual, Sleep and Laundry Drying. While under Air Purification Function, unit is programmed with 3 selectable modes namely, Auto, Manual and Sleep to satisfy the user diverse needs.

	OPERATING MODES			
FUNCTION	AUTO	MANUAL	SLEEP	LAUNDRY
PURIFY	✓	✓	✓	✗
	For your convenience and ease of use, unit will auto select the most suitable operating fan speed setting in accordance to the air quality detected.	User has the option to select their preferred fan speed setting level 1 to 5 for the unit to operate.	The unit is pre-programmed to operate at fan speed setting level 1 with air quality sensor light indicator turned off for an undisturbed rest.	Not Applicable.
DRY	✓	✓	✓	✓
	Unit is pre-programmed with a default 60% RH and its compressor operation and fan speed setting will be auto adjusted in accordance surrounding RH% detected.	User has the flexibility to select their desired RH% level from 35% to 80% at an interval of 5% or Continuous Dehumidification (CO).	The unit will be operating at Continuous Dehumidification (CO), fan speed setting level 1 with air quality sensor light indicator turned off.	The unit is pre-programmed to operate under Continuous Dehumidification (CO) mode with fan speed setting level 5. Complete the LaundryFresh™ experience with 3 accompanying features - PuriPRO® Filter, Dehumidification and Negative Ions which makes indoor laundry drying a breeze!

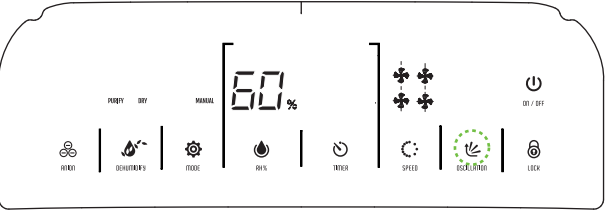
Childlock Function



To guard against curious kid, unit is equipped with a Childlock function to prevent mishandling/mis-activation by young children who may change the operation unintentionally.

To activate the Childlock function to lock the control panel, simply press and hold  button for 3 seconds, and its corresponding indicator will be illuminated on the LCD display.
















Oscillating Air Outlet






Oscillating flap oscillates at 55° angle for better air circulation and optimum diffusion of purified and dehumidified air throughout the room.

Fan Speed Setting Option

Under Air Purification and Dehumidification functions, unit is packed with various fan speed settings to satisfy different usage requirements.

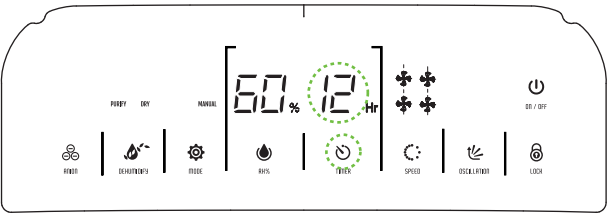
PURIFY FUNCTION	FAN SPEED	1 	2 	3 	4 	5 
	1. AUTO MODE	 Auto adjust in accordance to air quality				
	2. SLEEP MODE	(Auto Pre-set)				
	3. MANUAL MODE					

  means user is unable to select fan speed setting because it is already pre-programmed.
 means user is able to select their desired fan speed setting.

DRY FUNCTION	FAN SPEED	1 ♣	2 ♣♣	3 ♣♣♣	4 ♣♣♣♣	5 ♣♣♣♣♣
	1. AUTO MODE	✗ Auto adjust in accordance to RH% level detected				
	2. SLEEP MODE	[Auto Pre-set]	✗	✗	✗	✗
	3. MANUAL MODE	✓	✓	✓	✓	✗
	4. LAUNDRY DRYING MODE	✗	✗	✗	✗	[Auto Pre-set]

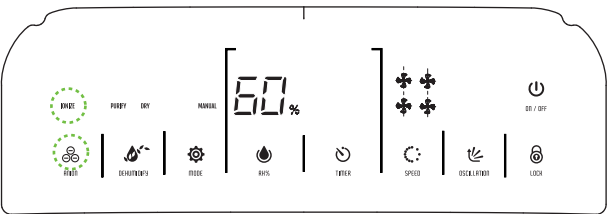
✗ means user is unable to select fan speed setting because it is already pre-programmed.
 ✓ means user is able to select their desired fan speed setting.

Timer Function



At On Mode, the unit can be programmed with a timer from 01 to 12 hours at an interval of 1 hour for an automatic shutoff. Selected timer setting and remaining timer duration will be shown on the LCD display.

Semi-Permanent Built-In Ionizer

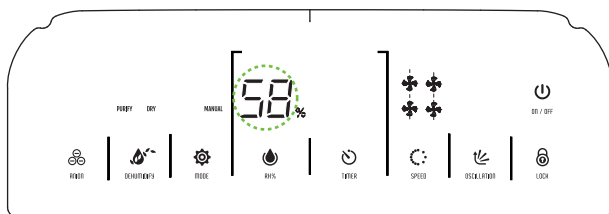


Unit is equipped with a Semi-Permanent Built-In Ionizer which produces million of negative ions per cm³ to freshen up the air quality and to promote air purification through the elimination of airborne allergens and germs.

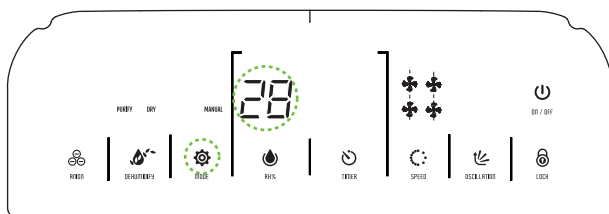
Auto Humidity Sensor

Under Dehumidification Function, the inbuilt hygrostat detects the humidity level of the surrounding and compares it to the humidity level set. The compressor stops operation and unit enters into continuous air circulation with DRY indicator flashing on the LCD display when the selected RH% setting is greater or equivalent to the surrounding humidity level. Compressor will reactivate when humidity level of the surrounding surpasses the desired humidity level and DRY indicator will illuminate continuously on the LCD display.

Room Humidity / Temperature Display



CURRENT ROOM HUMIDITY DISPLAY

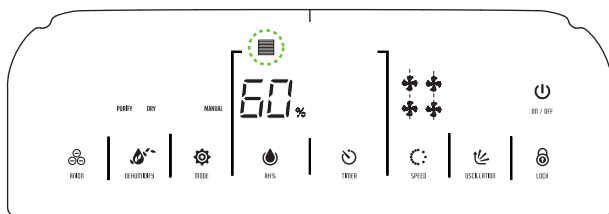



CURRENT ROOM TEMPERATURE DISPLAY

LCD displays the current relative humidity level of the room/surrounding. This allows for easy reference and facilitates the adjustment accordingly to the individual preference.

To view the current room temperature display, simply press and hold  button for 5 seconds. Release button to revert back to the current relative humidity level of the room/surrounding.

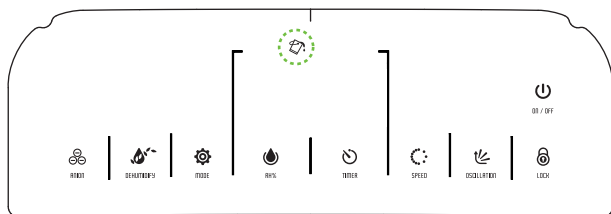
Filter Replacement Indicator



Unit is equipped with a Filter Replacement  Indicator to remind and prompt user for PuriPRO® Filter replacement for optimum performance. It is recommended to replace the PuriPRO® Filter once every 12 months* (Approx. 3,000 hours) from initial usage.

*Based on average good indoor air quality, 8 hours a day, 7 days a week usage under normal domestic indoor environment.

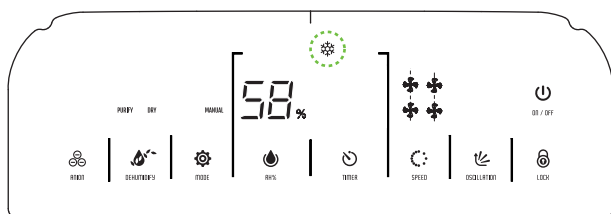
Auto-shut Off



Under Dehumidification function, unit shuts off automatically with full water tank indicator illuminates and an alarm goes off in following circumstances.

- Water tank is full.
- Water tank is not placed properly.
- Water tank is removed.

Defrost Mode



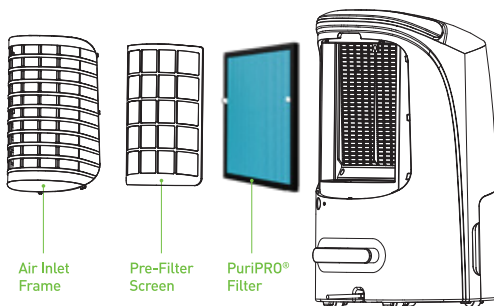
Under Dehumidification function, Defrost Mode will be activated automatically when temperature of the copper pipe in the evaporator is $\leq 0^{\circ}\text{C}$ for an operating duration of 35 minutes, indicator will illuminate on the LCD display. Compressor shuts off and unit runs on highest fan speed setting.

- As a compressor protective feature, in the event when the unit resumes normal operation after defrost mode is deactivated, there will be a 3-minute delay for the compressor to begin its operation once again.
- Defrost mode will be automatically deactivated and its indicator stop illuminating under the following 2 conditions:
 - o When the unit is under Defrost Mode for 12 minutes, if the temperature sensor's copper pipe in the evaporator (NTC) senses that the temperature $\geq 2^{\circ}\text{C}$, the defrost mode will be deactivated and unit will resume its preceding operating modes.
 - o When the unit is under Defrost Mode for 12 minutes, if the temperature sensor's copper pipe in the evaporator (NTC) senses that the temperature $\geq 8^{\circ}\text{C}$ and the ambient temperature is detected to be $\geq 10^{\circ}\text{C}$, the defrost mode will be deactivated and unit will resume its preceding operating modes.

Pre-Filter Screen

Pre-Filter Screen at the back panel sieves out contaminants from the air that is drawn into the unit. This process increases the efficiency of the unit and helps to filter the air that is released back into the surroundings. It also works to improve the durability and enhance performance of subsequent filters.

- **DO NOT** use the dehumidifier without the Pre-Filter Screen in place.



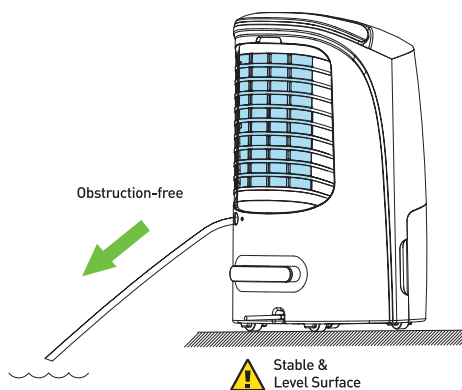
Continuous Drainage Option

Continuous drainage option allows easy removal of collected water instead of manually emptying from the water tank.

Using the continuous drainage option:

01. Turn off the power supply & unplug from the power supply.
02. Remove water tank from the unit.
03. Insert PVC hose (12 mm inner diameter) through the drainage outlet. Ensure that the hose is placed in a downward angle.
04. Place the water tank back onto the unit and always ensure the unit is placed on a stable and level surface. The dehumidifier is now ready for continuous drainage.

- Always ensure the drainage path is not blocked or obstructed to maintain a smooth flow and operation.



USING THE NOVITA 2-IN-1 DEHUMIDIFIER

Setting Up

01. Remove all packaging materials from the unit and place the unit on a dry, stable and level surface.

- DO NOT remove the polystyrene from the water tank.

02. From the back of the unit, grasp the top recess portion of the Air Inlet Frame and pull it outwards to remove the Air Inlet Frame and Pre-Filter Screen together from the unit.

03. To enhance the PuriDry™ experience, it is recommended to use the PuriPRO® Filter in conjunction with the dehumidification process. Remove the plastic packaging on the PuriPRO® Filter and place it into the designated slot on the unit's internal housing with Cool Catalyst Filter as the outermost layer while 99.97% True HEPA Filter as the innermost layer. Then proceed to re-attach the Air Inlet Frame with assembled Pre-Filter Screen back onto the unit.

- The Pre-Filter Screen must be first assembled and securely clipped into the designated catch of the Air Inlet Frame before placing it back onto the unit.
- Ensure the PuriPRO® Filter is properly assembled and installed in position before use.
- Please refer to page 16 for instructions to remove the Air Inlet Frame and attach the PuriPRO® Filter.


- Please remove the plastic packaging on the PuriPRO® Filter before use.
- DO NOT use the dehumidifier without the Pre-Filter Screen in place.

04. Ensure there is a clearance of at least 50 cm from the air inlet and clearance of at least 10 cm from the air outlet.

- DO NOT block the air inlet and air outlet to ensure sufficient air ventilation and maximum efficiency of the unit.


05. Connect power plug to the power supply, power on and the unit will produce a short alarm.

Operating Notes

01. Touch  button once to turn On the unit. By default, unit runs with both dehumidification and air purification functions activated, manual mode with continuous dehumidification and fan speed setting at level 3. Air outlet flap opens upright to begin the oscillation function.

The chemical pollutant sensor will take approximately 2 minutes for initialization. During the initialization process, the air quality sensor light indicator will illuminate in yellow. Upon the completion of initialization, the chemical pollutant sensor will detect the surrounding air quality and show the current air quality via the different air quality sensor light indicator colours.


Air Quality Indication	Excellent	Good	Moderate	Poor	Very Poor
Air Quality Sensor Light Indicator colour					

- To switch Off the unit, touch  button once again.
- Chemical pollutant sensor is subjected to depreciation and calibration/replacement may be required for optimum air quality detection.
- In the event when the power plug is continuously connected to the power supply, unit is programmed with a memory function whereby whenever it is turned on, it will always operate in accordance to its preceding setting.
- In the event when there is a sudden power failure that causes the unit to shut down, the unit will automatically turn on and operate based on its preceding setting when power comes on again.

02. Touch  button to activate or deactivate the Dehumidification function. By default, Air Purification function is always activated and cannot be switched off. Its corresponding indicator will illuminate on the selected setting.











	Air Purification Activated Only	Both Air Purification & Dehumidification Activated
LCD Display	PURIFY	PURIFY DRY



- When **DRY** indicator is flashing, it means dehumidification functions has temporary stopped its operation because the selected RH% setting is greater or equivalent to the surrounding humidity level.


03. Under Air Purification Function, touch  button consecutively to select the preferred Operating Mode (Manual, Sleep or Auto). Its corresponding indicator will illuminate at the selected setting. By default, unit operates in Manual Mode.

PURIFY Function	Manual Mode	Sleep Mode	Auto Mode
LCD Display	MANUAL	SLEEP	AUTO
Fan Speed Setting	Adjustable from level 1 to 5	Default pre-set at level 1 only	Programmed to auto adjust in accordance to the current air quality detected
Air Quality Sensor Light Indicator	Illuminate in accordance to current air quality	Stop illuminating	Illuminate in accordance to current air quality

At Air Purification Auto Mode, unit auto select the appropriate fan speed setting and operate in accordance to the detected air quality.

Air Quality Indication	Excellent	Good	Moderate	Poor	Very Poor
Air Quality Sensor Light Indicator Colour					
Fan Speed Setting	1 	2 	3 	4 	5 





- Under Air Purification Function only, Laundry Drying Mode cannot be activated.
- Under Air Purification Function only, both Sleep and Auto Mode Fan speed are pre-set and not adjustable.
- To display the current temperature, user can touch and hold  button for about 5 seconds. Release the  button to revert back to display the current surrounding RH% Level.

04. Under Air Purification & Dehumidification Function, touch  button consecutively to select the preferred Operating Mode (Manual, Sleep, Auto or Laundry Drying). Its corresponding indicator will illuminate at the selected setting. By default, unit operates in Manual Mode.

PURIFY & DRY	Manual Mode	Sleep Mode	Auto Mode	Laundry Drying Mode
LCD Display	MANUAL	SLEEP	AUTO	LAUNDRY
RH% Level	Adjustable from 35% to 80% RH level or CO	Default at CO, user can adjust it from 35% to 80% RH level	Default pre-set at 60% RH level	Default pre-set at CO
Fan Speed Setting	Adjustable from level 1 to 5	Default pre-set at level 1 only	Programmed to auto adjust in accordance to the current RH% level detected	Default pre-set at level 5 only
Air Quality Sensor Light Indicator	Illuminate in accordance to current air quality	Stop illuminating	Illuminate in accordance to current air quality	Illuminate in accordance to current air quality

- Under Air Purification and Dehumidification Auto Mode, its RH% level is default pre-set at 60% and the RH% level setting is not adjustable.
- Under continuous dehumidification (CO), unit dehumidifies continuously regardless of humidity level in the surrounding. Dehumidification stops when the water tank is full.


05. At Air Purification and Dehumidification Auto Mode, unit auto select the appropriate fan speed setting and operate in accordance to the surrounding RH% level detected.

Surrounding RH% Level	≤ 60% RH	60% to 65% RH	66% to 70 % RH	≥ 71% RH
DRY Function	Deactivated with DRY indicator flashing	Activated with DRY indicator illuminating permanently		
Fan Speed Setting	1 	2 	3 	4 

- Under Air Purification and Dehumidification Auto Mode, its RH% level is default pre-set at 60% and the RH% level setting is not adjustable.
- In most circumstances, when using the dehumidifier for the first week, the water tank will be full every day and needs to be emptied on a daily basis, due to high moisture content in the surrounding. In the following week, the water tank will need to be emptied once every 3 to 5 days. Subsequently, the water tank need to be emptied once a week.
- Ensure all doors and windows are shut to confined the area of air purification and dehumidification, It is recommended to open up cupboards and walk-in wardrobe within the area to further facilitate the dehumidification performance.




06. At Air Purification and Dehumidification Laundry Drying Mode, unit dehumidifies continuously regardless of the RH% level in the surrounding with fan speed at level 5.



- Under Air Purification and Dehumidification Laundry Drying Mode, its RH% level and Fan Speed Setting are pre-set and not adjustable.
- It is recommended to use the continuous drainage option while on Laundry Drying Mode.
- Ensure all doors and windows are shut to confine the area of laundry drying.
- Fully extend the laundries to remove wrinkles and leave approximately 5 cm gap between the laundries for smooth air circulation.
- Laundries that are placed closed together will take a longer drying duration due to poor air ventilation.
- Drying duration and deodorization effectiveness may vary depending on the nature and quantity of the laundry, fabric materials, coverage area, ventilation space and room temperature.


07. Under Air Purification & Dehumidification Manual or Sleep Mode, touch  button consecutively to set the humidity level according to individual's desire within a range of 35% to 80% RH in interval of 5% RH or Continuous Dehumidification (CO). Selected RH% setting will be displayed on the LCD screen, then revert back to display the current surrounding RH% level.


- Under continuous dehumidification (CO), unit dehumidifies continuously regardless of humidity level in the surrounding. Dehumidification stops when the water tank is full.
- Under Dehumidification function, in the event when the desired RH% setting selected is higher or equivalent to the current surrounding RH%, compressor stops operation with DRY indicator flashing and unit enters into continuous air circulation. Compressor will reactivate with DRY indicator illuminating permanently when RH% level of the surrounding surpasses the desired humidity level.
- As a compressor protective feature, in the event when the compressor is deactivated during operation, there will be a 3-minute delay for the compressor to begins its operation once again.
- In most circumstances, when using the dehumidifier for the first week, the water tank will be full every day and needs to be emptied on a daily basis, due to high moisture content in the surrounding. In the following week, the water tank will need to be emptied once every 3 to 5 days. Subsequently, the water tank need to be emptied once a week.
- Ensure all doors and windows are shut to confined the area of air purification and dehumidification, It is recommended to open up cupboards and walk-in wardrobe within the area to further facilitate the dehumidification performance.






08. Under Dehumidification Function, unit is by default pre-set with an automatic shutdown function after continuous 12 hours of operation as an overheating safety protective features.

To deactivate this automatic shutdown function after continuous 12 hours of dehumidification operation, touch both  and  button concurrently for 5 seconds. Unit produces a beep sound with  indicator illuminating for 5 seconds to notify user that automatic shutdown function after continuous 12 hours of dehumidification operation is deactivated.

- To re-activate this automatic shutdown function after continuous 12 hours of dehumidification operation, touch both  and  button concurrently for 5 seconds and unit will produce 2 beeping sound.
- In the event when the unit is prior set with a manual timer, the unit will shutoff based on the manual timer setting.



09. Touch  button consecutively to select the preferred timer duration (01 to 12 hours) for an automatic shutoff. Its corresponding indicator and selected setting will be displayed on the LCD screen. Continuous operation is activated when Timer operation indicator does not illuminate.



10. Touch  button consecutively to select the preferred fan speed setting under the Air Purification & Dehumidification Manual mode. Its corresponding indicator and selected setting will be displayed on the LCD screen.

FAN SPEED	PURIFY MANUAL MODE	PURIFY & DRY MANUAL MODE
1 	✓	✓
2 	✓	✓
3 	✓	✓
4 	✓	✓
5 	✓	✗


11. Touch  button once to oscillate the air outlet flap. Touch button again to station the air outlet flap at your preferred position.



- Air outlet flap is programmed to be oscillating automatically by default.
- When the unit is switched off, the air outlet flap will return to the close position.
- DO NOT force open or close the air outlet flap to prevent damage to the oscillating mechanism.

12. Touch and hold  button for 3 seconds to activate the Childlock function to lock the control panel. Its corresponding indicator will be displayed on the LCD screen. Touch and hold  button for 3 seconds once again to deactivate the Childlock function and its corresponding indicator will stop displaying on the LCD screen.


13. Touch  button once to activate the anion mode. Its corresponding indicator will be displayed on the LCD screen. Touch  button once again to deactivate the anion mode.

- Anion Mode is deactivated by default.

14. When unit is in operation for 12 months* (Approx. 3,000 hours),  Filter Replacement Indicator flashes on the LCD screen as an indication that PuriPRO® Filter replacement is required for optimum performance.
*Based on average good indoor air quality, 8 hours a day, 7 days a week usage under normal domestic indoor environment.a

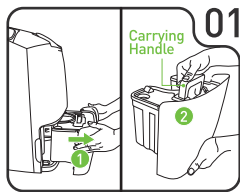
- Upon the completion of the filter replacement, touch and hold  button for 5 seconds to reset the filter replacement timer and  indicator will no longer flashes on the LCD screen to notify user that the reset procedure is completed.

15. Filter Timer Master Reset

In the event of pre-mature filter replacement, user may perform a master reset to the unit. Simply touch and hold  button for 5 seconds to reset the filter replacement timer. Unit produces beeping sound to notify user that the filter timer master reset procedure is completed.

Emptying the Water Tank

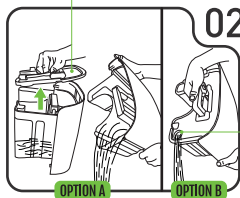
novita PuriDry™ 2-in-1 Dehumidifier ND2000 shuts off automatically when the water tank is full. Follow the simple steps below to empty the water tank.



Remove the water tank from the unit. Lift up the carrying handle to carry the water tank.

- When carrying a full water tank, while holding onto the carrying handle, it is recommended to use the other hand to support the water tank base.

Remove Water Tank Cover



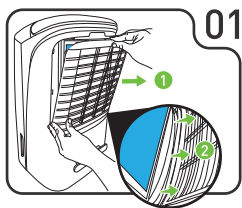
Empty the content either by removing the water tank cover or pour it through its discharging hole. Assemble the water tank and place it back into the unit.

12 Months* PuriPRO® Filter Replacement

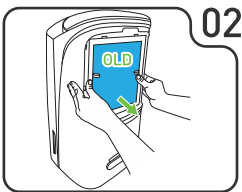
When unit is in operation for 12 Months* (Approx. 3,000 hours),  Filter Replacement Indicator flashes on the LCD screen as an indication that PuriPRO® Filter replacement is required for optimum performance. It is recommended to replace the PuriPRO® Filter once every 12 Months* (Approx. 3,000 hours) from initial usage.

* Based on average good indoor air quality, 8 hours a day, 7 days a week usage under normal domestic indoor environment.

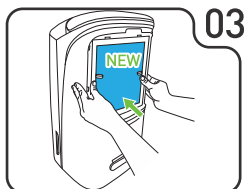
- ⚡ • Please turn Off and disconnect the power plug before filter unit replacement.
- DO NOT use any water, detergents, solvents or aggressive agents to clean filter unit unless specified.



From the back of the unit, grasp the top recess portion of the Air Inlet Frame and pull it outwards to remove the Air Inlet Frame and Pre-Filter Screen together from the unit.

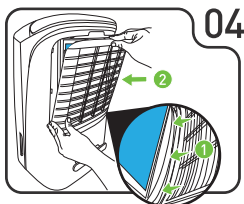


Lift the parallel tags by both sides of the PuriPRO® Filter then pull outwards in a parallel direction to remove the exhausted filter unit.



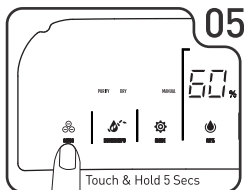
Place a new set of the PuriPRO® Filter into the unit with Cool Catalyst Filter as the outermost layer while 99.97% True HEPA Filter as the innermost layer.


- ⚡ • Remove plastic packaging on the filter unit before placing it into the unit.
- 💬 • Ensure the side of filter with tags is facing the Air Inlet Frame.
- Ensure the filter unit is properly assembled and installed in position before usage.




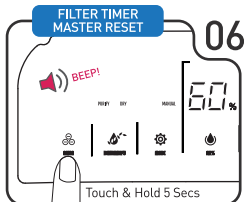
Reattach the Air Inlet Frame with assembled Pre-Filter Screen back onto the unit. Ensure it is securely installed and locked in position.


- ⚡ • DO NOT use the dehumidifier without the Pre-Filter Screen in place.



Insert the power plug into the power supply and switch on the unit. Touch and hold  button for 5 seconds to reset the filter replacement timer.

- 💬 •  Filter Replacement Indicator stop flashing on the LCD screen to notify user that the reset procedure is completed



In the event of pre-mature filter replacement, user may perform a master reset to the unit. Simply touch and hold  button for 5 seconds to reset the filter replacement timer.

- 💬 • Beeping sound is produced to notify user that the filter timer master reset procedure is completed.

CLEANING & MAINTENANCE

Cleaning the novita 2-In-1 Dehumidifier

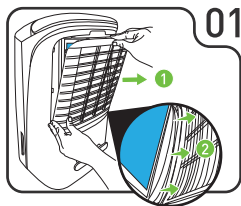
To ensure the effectiveness of the dehumidifier, it is recommended to clean & maintain the unit at least once a week.

01. Disconnect the dehumidifier from the power supply.
02. Use a soft cloth to gently wipe the outer case to remove dust.
03. Remove stubborn stains with a mild household cleaner.

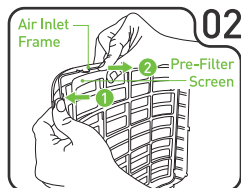
- ⚡ • Please turn Off the power supply and disconnect the power plug before cleaning and maintenance.
- DO NOT spray water directly onto the unit.

Cleaning the Air Inlet Frame & Pre-Filter Screen

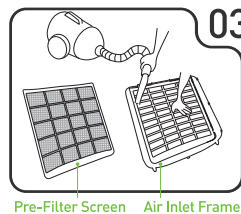
For optimum performance, it is recommended to clean the Air Inlet Frame & Pre-Filter Screen once every two (2) weeks.



From the back of the unit, grasp the top recess portion of the Air Inlet Frame and pull it outwards to remove the Air Inlet Frame and Pre-Filter Screen together from the unit.

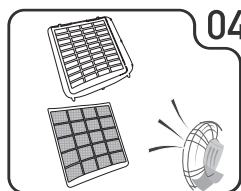


Hold onto one corner of the Air Inlet Frame and exert some pressure to press it down gently to release the Pre-Filter Screen from the catch. Repeat the steps for the other corners.

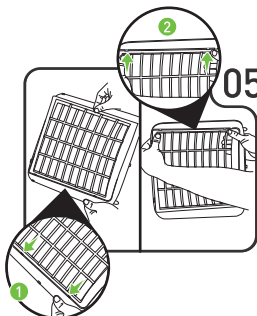


Use a vacuum cleaner or a brush to remove the lint collected. Use warm soapy water to wash the Air Inlet Frame and Pre-Filter Screen if required.

⚡ • DO NOT use water of more than 40 degree Celsius to wash the Pre-Filter Screen.



Air dry the Air Inlet Frame and Pre-Filter Screen thoroughly.



Slot the Pre-Filter Screen underneath the catch of the Air Inlet Frame and ensure they are securely locked in position. Proceed to attach the assembled Air Inlet Frame and Pre-Filter Screen back onto the unit.

⚡ • DO NOT use the dehumidifier without the Pre-Filter Screen in place.

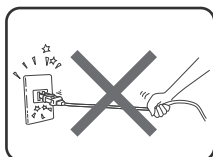
TROUBLESHOOTING

CONDITION	POSSIBLE CAUSE	POSSIBLE SOLUTION
Unit cannot be switched on	• The power plug is not connected properly.	• Insert the power plug into the main supply again.
	• The water tank is full.	• Remove the water tank and empty it, then replace it into the unit again.
	• Water tank not placed properly.	• Remove water tank and replace it into the unit again.
	• Power plug or cord damaged.	• Contact novita Customer Care Centre.
Unit auto shut off with continuous alarm and DRY dehumidification indicator flashing.	• As a safety protective feature, the unit will auto shut off because the temperature sensor detects the operating temperature is in the range of $\leq 3^{\circ}\text{C}$ or $\geq 40^{\circ}\text{C}$.	• The recommended operating temperature of the unit is at 5°C to 35°C . Within this temperature range, the unit will resume its normal dehumidification operation.
Under Dehumidification, the LCD screen display shows LO.	• When the surrounding RH% level is $\leq 30\%$ RH, the LCD screen will display LO, with DRY dehumidification indicator flashing to show that dehumidification function is deactivated.	• When the surrounding RH% level is $\geq 32\%$ RH, unit will resume its normal dehumidification operation.
Under Dehumidification, the LCD screen display shows HI.	• When the surrounding RH% level is $\geq 91\%$, the LCD screen will display HI.	• Unit will continue its normal dehumidification operation.
Compressor Delay Start Function	• This is a compressor protective feature and it is normal.	• In the event when the compressor is deactivated during operation, there will be a 3-minute delay for the compressor to begins its operation once again.
Poor performance or not dehumidifying / purifying at optimum capacity	• Low temperature or the surrounding humidity level is too low.	• Dehumidifier does not work as effectively as in low temperature. Effectiveness of dehumidifier increases as RH increases.
	• Pre-filter screen is dirty.	• Clean the pre-filter screen.
	• Filter unit is due for replacement.	• Replace with a new set of filter.
	• Plastic packaging on the filter unit is not removed.	• Remove plastic packaging from the filter unit before use.
	• No adequate clearance and space around the unit of ventilation.	• Ensure there is a clearance of at least 50 cm for the air inlet and at least 10 cm for the air outlet.
	• Exceed recommended room coverage area.	• Maximum room coverage area [□] for ND2000 to operate effectively: - Dehumidifying Up to 269 ft ² or 25 m ² - Air Purifying Up to 322 ft ² or 30 m ²
	• Exceed extraction capacity	• Maximum extraction capacity for ND2000 is 20 Litres/Day at 30°C/ 80% RH.
	• The surrounding humidity level is lower than the desired humidity level set.	• Set the desired RH% lower than the surrounding humidity level.

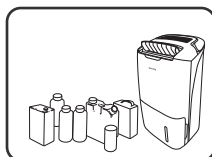
CONDITION	POSSIBLE CAUSE	POSSIBLE SOLUTION
Excessive noise	• Unit is placed on uneven surface.	• Move unit to a level and stable surface.
	• Loose or foreign particles inside the unit.	• Contact novita Customer Care Centre.
	• Sound of flowing water.	• This is normal.
	• Pre-filter screen is dirty.	• Clean the pre-filter screen.
	• Filter unit is due for replacement.	• Replace with a new set of filter.
	• Plastic packaging on the filter unit is not removed.	• Remove plastic packaging from the filter unit before use.
Water in tank overflows	• Water tank may be damaged.	• Replace the water tank.
	• Float for water auto-sensor is not in place.	• Replace or adjust the float.
	• Internal drainage passage is blocked or obstructed.	• Contact novita Customer Care Centre.
	• Unit is placed on an unstable and unlevelled surface.	• Place the unit on a stable and level surface.
Under Dehumidification, C1 error message flashes on the LCD screen.	• Evaporator temperature sensor malfunction.	• Contact novita Customer Care Centre.
Under Dehumidification, C2 error message flashes on the LCD screen.	• The temperature and humidity sensor connection are loose.	• Contact novita Customer Care Centre.
Under Dehumidification, C7 error message flashes on the LCD screen.	• Fan motor may be malfunction.	• Contact novita Customer Care Centre.
Under Dehumidification, C8 error message flashes on the LCD screen.	• Refrigerant leakage is detected.	• Contact novita Customer Care Centre.

□ It is recommended to confine to the stated recommended coverage area for effective and optimum dehumidification and air purification performance.

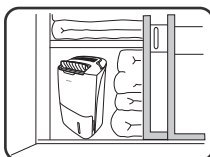
SAFETY PRECAUTIONS



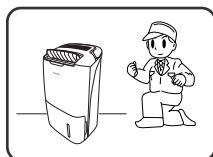
DO NOT pull or tug the unit by the power cord to prevent safety hazards or damage to the unit.



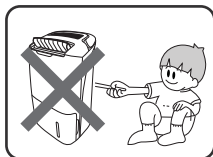
Keep the unit away from flammable liquids.



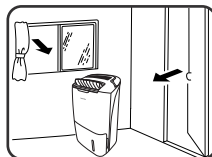
Refrain from placing the dehumidifier in confined closets.



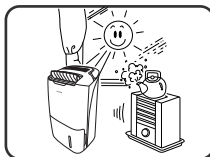
Servicing should only be conducted by professional service technicians.



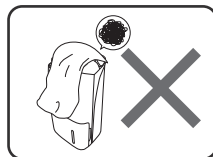
DO NOT insert any foreign objects into any crevices of the unit.



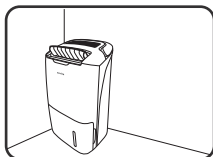
For maximum efficiency, ensure that the dehumidifier is placed in an enclosed area with windows & doors firmly shut.



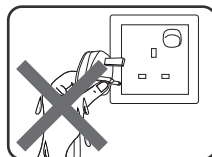
Keep the unit away from direct sunlight or any heat source.



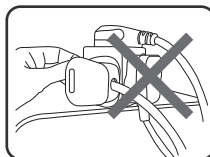
DO NOT block the air inlet & outlet when the unit is operating & DO NOT drape any garments or fabrics on top of the unit for drying purposes.



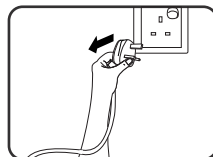
Allow adequate clearance & space around the unit for air ventilation. DO NOT move or incline the unit during operation.



DO NOT handle the unit or the power cord with wet hands.



Refrain from overloading your power supply with multiple power plugs.



Always disconnect the unit from the power supply during transportation, maintenance or cleaning.



SAFETY INSTRUCTIONS

- Read the operating instructions carefully before using the dehumidifier & keep it for later reference.
- Persons who are not familiar with the operating instructions, as well as children & persons under the influence of medication, alcohol or drugs are not advised to operate the dehumidifier, or are only advised to operate it under supervision.
- DO NOT use the dehumidifier if there is any damage to the unit or power cord.
- Only operate the unit when it is completely assembled & on a stable and level surface. Placing the unit on uneven surfaces can result in water leakages or additional noise.
- DO NOT handle the unit with wet hands.
- Always use the correct power supply.
- DO NOT insert any foreign objects into any crevices of the unit.
- Keep the unit away from direct sunlight or heat sources.
- Disconnect the dehumidifier from the power supply:
 - When emptying the water tank
 - Before cleaning
 - During assembly or dismantling the unit
 - Before moving the unit
- Repairs of appliance should only be done by qualified service technicians. Improper repair work can cause considerable danger to the user.