INKBIRD**PLUS**
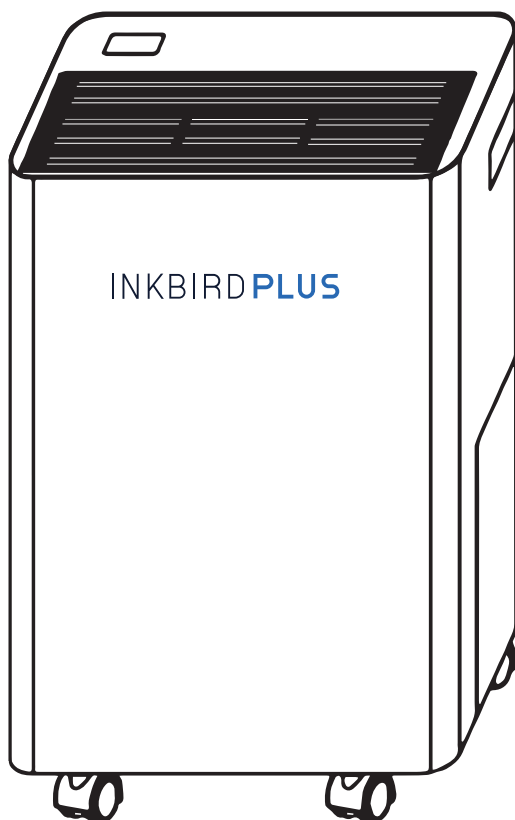
INKBIRD**PLUS**

DEHUMIDIFIER

U S E R   M A N U A L

❖ **After receiving the product, please place the machine in normal position and standing still for 6-8 hours to allow the refrigerant to return to normal and improve the lifespan of compressor.**

❖ **Before use, please take out the water tank, peel off the sticker on the float and check that the float turns normally.**

❖ **Emergency Handle Method:**

When the machine operates abnormally, please quickly turn off the power and unplug the power from the main socket. Contact the seller and do not try to fix and open the machine.

Please keep this manual properly for future reference. You can also scan the QR code to visit our official website for multi-language manuals. For any usage issues, please feel free to contact us at **support@inkbird.com**.
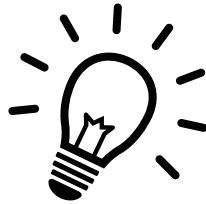
Warm tips

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.

- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.

CATALOGUE

01/ TECHNICAL SPECIFICATIONS

Model No	STS12-1027
Item No	INK-DH01
Dehumidify Capacity	12L/day (30°C 80%)
Rated Voltage	220-240 V~
Rated Frequency	50-60Hz
Rated Input Power	195W (27°C 60%)
Max Input Power	260W (35°C 80%)
Rated Input Current	0.85A (27°C 60%)
Max.Input Current	1.13A (35°C 80%)
Airflow Volume	150m³/h
Refrigerant Charge	R290/50g
Suction Side Pressure	0.6MPa
Discharge Side Pressure	1.6MPa

NOTES:

● Above parameters may have +5% accuracy error compared to test lab environment and setup.

● If the parameters are changed, please refer to the product rating label.

● Clean the inside of the water tank with an anti-bacterial cleaner every few weeks to prevent the build up of bacteria.The tank has a float water level for the FULL TANK indicator and must be placed in the correct position.

02/ PRODUCT INTRODUCTION

❖ Product Appearance

Display screen

Air outlet

Control panel

Handle

Rear pane

Front panel

Water tank

wheel

Filter

Drainpipe
Connection
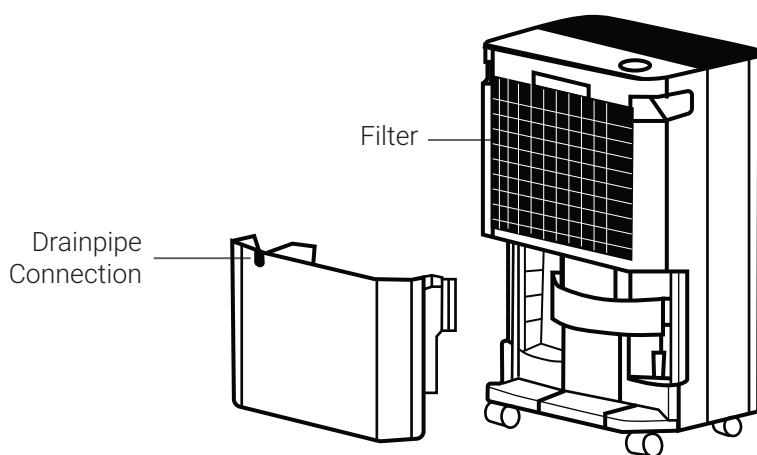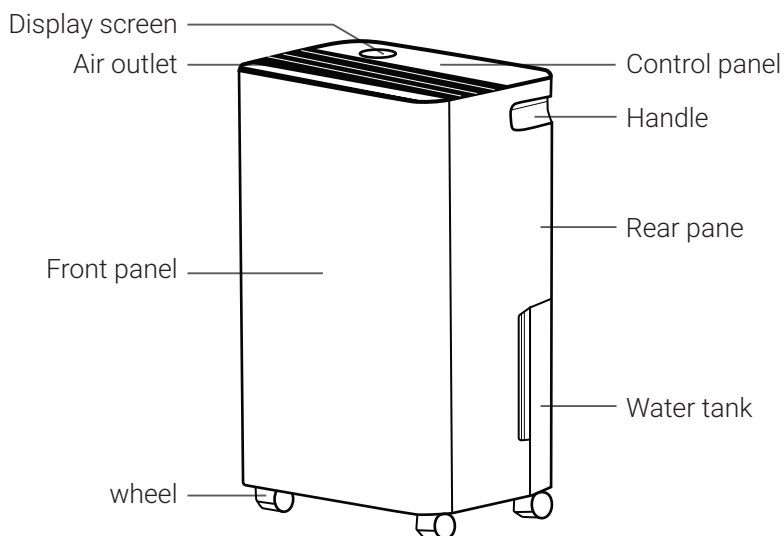
✖✖ Control Panel

Operating Buttons:

POWER button: Press to switch the dehumidifier on, and the dehumidifier will run the AUTO mode by default. Press again to switch off.

TIMER button: Press to enter the timer setting

MODE button: Press to select a working mode from Hum Set, Dry Clothes, Automatic

DOWN button: Short press to select the parameter you wish to adjust. Long press to enter child lock mode

UP button: Short press to select the parameter you wish to adjust.

Screen Display:

a. When the machine is switched on, it displays the humidity level.

b. When setting the humidity level, it shows the value of the target humidity level.

c. When doing ON/OFF timer setting, it shows the timer setting.

03/ OPERATION INSTRUCTIONS

3.1 OPERATING MODES:

① AUTOMATIC Mode

Press the MODE button once to enter automatic mode. In automatic mode, the target humidity level is 55% and cannot be adjusted. The dehumidifier will automatically adjust the fan speed according to the humidity level.

Fan Speed in Automatic Mode	When the ambient humidity is > 70%, the machine switches the fan to high speed.
	When the ambient humidity is 55%-70%, the machine switches the fan to low speed.
	When the ambient humidity is < 55%, the compressor stops working.

② HUM SET Mode

Step1: Press the MODE button twice to enter HUM SET mode.
Step2: Press + or - to set the target humidity according to your needs, the default setting is 55%.
Step3: Wait for 5 seconds, the screen will flash and return to normal display.

Fan Speed in HUM SET Mode	If the target humidity is >10% higher than the room humidity level, the fan speed will switch to high.
	If the humidity level is <10% lower than the room humidity level, fan speed will switch to low.
	The compressor stops working when the target humidity level is reached.

③ DRY CLOTH Mode

Press the MODE button a third time to enter DRY CLOTH mode. In DRY CLOTH mode, the target humidity level is 55% and cannot be adjusted, and the fan runs at high speed. The compressor will stop if the humidity level is <55% or the temperature protection is triggered.

3.2 Timer Mode:

① Countdown Timer OFF:

Step 1: With the dehumidifier running, press the TIMER button to enter the timer setting.
Step 2: Press + or - to set the time to switch off, ranging from 1 to 24 hours.
Step 3: Wait for 5 seconds, the screen will flash and return to display the humidity, which means the setting is complete.

② Countdown Timer ON:

Step 1: With the dehumidifier in standby mode, press the TIMER button to enter the timer setting.
Step 2: Press + or - to set the time to switch on, from 1 to 24 hours.
Step 3: Wait for 5 seconds, the screen will flash and return to display the humidity, which means the setting is complete.
TIP: Once the TIMER has been set, press the TIMER button to check the remaining time of the timer.

3.3 Child Lock:

Press and hold the - button for 5 seconds to enable the child lock, and the CHILD LOCK indicator will light up. Press and hold the button for 5 seconds to disable the child lock.

3.4 FULL TANK Indicator

● When the FULL TANK indicator comes on, remove the tank and dispose of the water in the tank.
● When the machine is switched on and the FULL TANK indicator is on, the machine will not operate and will beep for 20 seconds.
● The FULL TANK indicator goes out when the machine detects that the water tank is not full.

3.5 Defrost Function

● If the room temperature is >20°C, the machine continues to run and the defrost function is deactivated.
● If the room temperature is between 12°C and 20°C, the machine's compressor runs for 35 minutes, stops for 8 minutes to defrost and then starts again to continue the cycle.
● If the room temperature is between 5°C and 12°C, the machine's compressor runs for 25 minutes, stops for 12 minutes to defrost and then starts again to continue the cycle.
● When the machine enters the defrost mode, E4 is displayed on the screen.

04/ PRECAUTIONS FOR USE

● The operating temperature of the machine is 5°C-35°C.

● While the machine is running, the compressor will generate heat, it may cause the room temperature to rise, this is normal.
● Please do not put any part or object into the water tank.
● When the operating mode is changed, the compressor will enter the safety mode for 3 minutes.

05/ MACHINE PLACEMENT REQUIREMENTS

● This machine must be placed on a flat, solid surface that can support the weight of the machine when full of water.
● When using the dehumidifier, all doors and windows should be closed as the humidity outside will increase the workload of the machine.
● Ensure that there is at least 45 cm clearance from the rear and side intake vents and space above for the top air outlet of the machine.
● Do not place the dehumidifier in a room with a temperature lower than 5℃ and not higher than 35℃. Otherwise the appliance will not work.

45cm

45cm

45cm
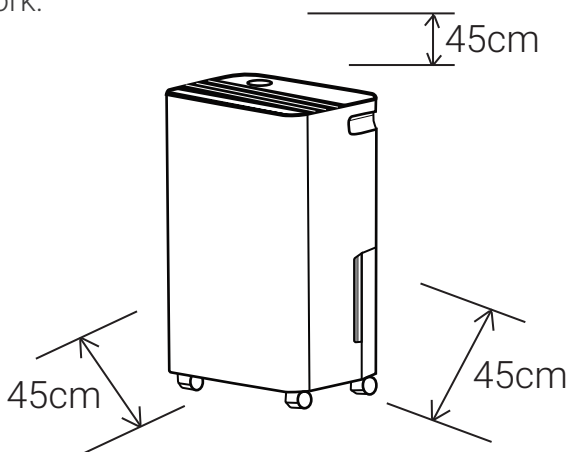
06/ IMPORTANT NOTES / WARNINGS

● PLEASE READ THESE INSTRUCTIONS CAREFULLY. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THIS MANUAL SAFE FOR FUTURE REFERENCE.

● Please ensure that the power supply is 220V/50Hz and that it is earthed.

● To avoid overheating, do not place other objects on top of the machine.

● Do not place the machine near an electrical outlet.

● Do not place the machine in a bathroom, laundry room or other wet areas.

● Please do not spill water, liquid, insecticide or flammable liquids on the machine.

● Please switch off and unplug the machine before servicing.

● When moving the machine, switch off and unplug the machine.

● Do not drink the water stored in the water tank.

● This machine can only be used indoors. When using the machine, do not place it near a fire.

● If there is any damage to the plug or cord, please contact your dealer or retailer.

● Do not allow children to use, ride or play on this machine.

● Do not place heavy objects on top of the machine.

● Use this product under the supervision of an adult. Avoid using

this product unattended in the presence of children, animals or of children, animals or persons with reduced mobility and must be supervised.

● Ensure that the insulation on all cables and on the unit is safe before connecting it to the power supply.

● Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure they are secure.

07/ TROUBLESHOOTING GUIDE

FAULT CONDITION	CHECK LIST
Power On and dehumidifier does not work/function	● Ensure that the power plug of the dehumidifier is correctly inserted into the socket. ● Ensure that the water tank is correctly inserted into the appliance and in the correct position. ● Ensure that the water tank is not full (empty) and that the float is in the correct position.
Dehumidification capacity is weak	● Check if the filter is dirty or clogged. ● Check that the temperature and humidity are low. ● Check that the air inlet behind the machine is not blocked.
Expected humidity takes long time to be reached	● Check that doors and windows are open. ● Check if anything is producing vapors that increase humidity. ● Check if the area/volume of the room is too large to affect the operation effect.

FAULT CONDITION	CHECK LIST
Dehumidifier is running but not collecting water	● Check that the room humidity level is lower than the default target level of 55% or the target level. ● Check if the target humidity is too close to the room humidity. ● Check if the filter is dirty or clogged.
When machine is running, the air outlet is warm/hot	● It is normal for warm air to be blown out of the air outlet when the dehumidifier is running.
Dehumidifier is noisy and has abnormal sound	● Make sure the surface is flat and solid. ● Make sure the dehumidifier is placed properly.
Error Code appears	● E1: Humidity control issue ● E2: Temperature control issue ● E3: Temperature <5°C or >40°C ● E4: DEFROST mode ● E5: Machine running for more than 8 hours stops for 10 minutes

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Distributor: DongGuan YingMeng Technology Co., Ltd.
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