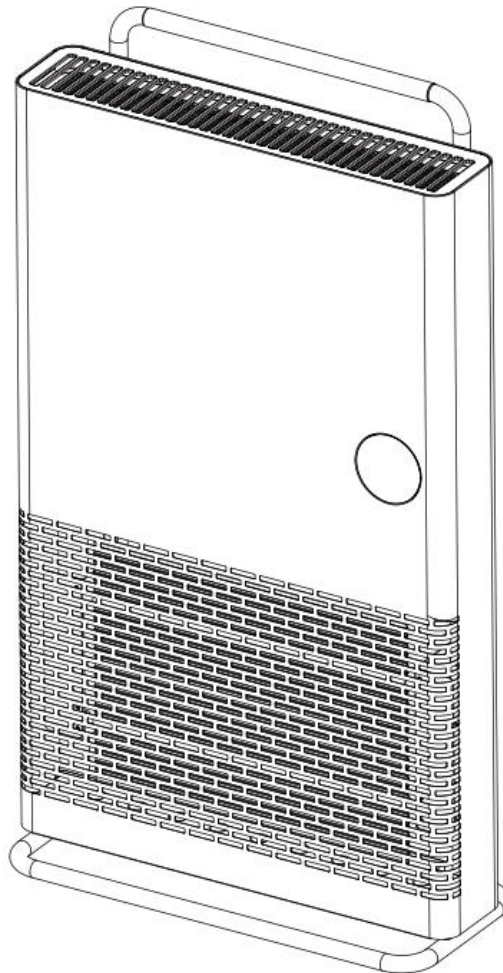


# **Convection and Heating Radiator**

## **WDH-NDU22WT**



Dear customer,

You have chosen a high-quality product. Here are a few tips to help you enjoy this product:

**In case of any problems:**

We hope that the appliance meets your expectations! Should there be any cause for complaint despite the greatest possible care, please contact us briefly, as we are very concerned about your satisfaction and would like to clear up any misunderstanding.

**Please read all instructions carefully before using this product !**

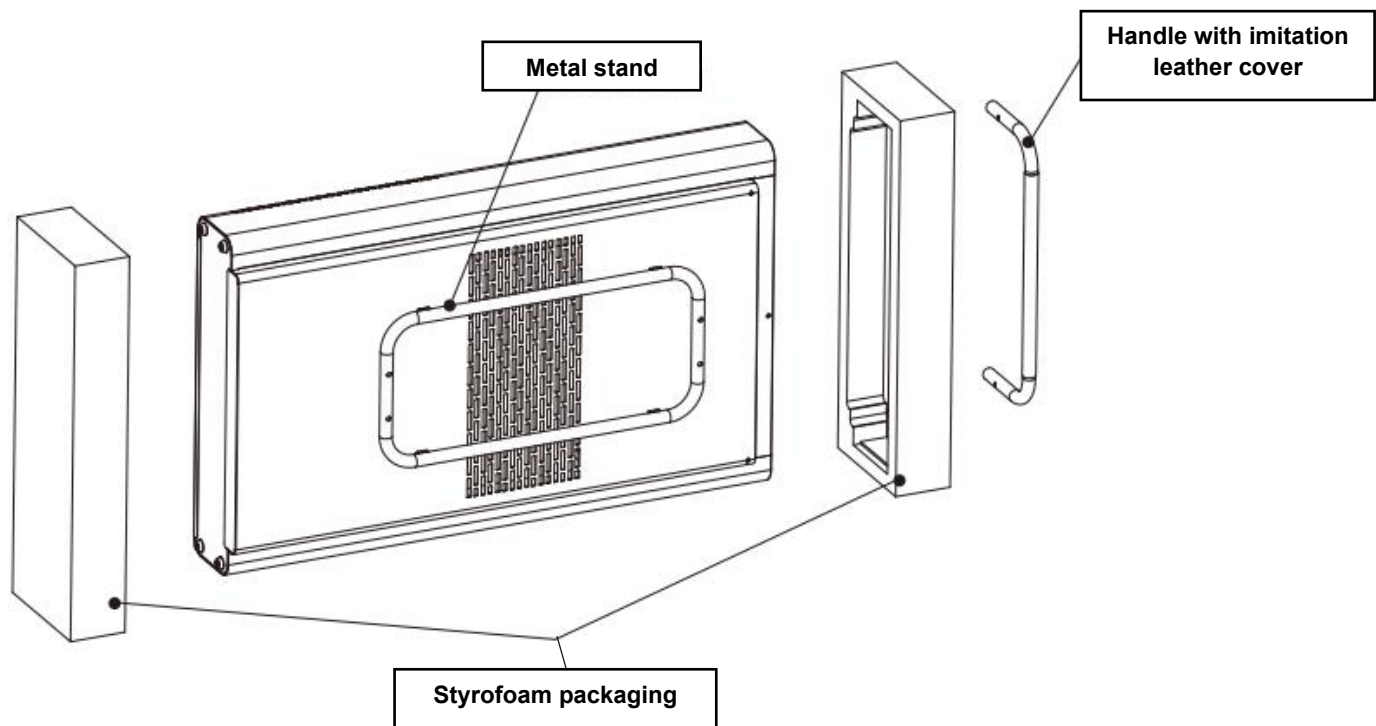
## **Important safety instructions:**

- Please note that the heater can become very hot during operation. Therefore, keep a sufficient distance at all times - especially from flammable or highly flammable objects! Never touch the heater during operation !
- When the appliance is in operation, the surface of the electric heater is very hot. To avoid burns, do not touch the air outlet during use.
- Please remove the plastic bag and check the product before use !
- Do not place/mount the heater directly next to a socket outlet !
- It is recommended that you use your own power source (socket) to supply the heater. (Please do not use multiple socket outlets to operate the radiant heater).
- Please also ensure that the power cable is always placed at a sufficient distance from the heat source.
- The heater is designed for indoor use, not for other purposes.
- This appliance is intended for home use only !
- If a problem occurs with the product, it may only be repaired by a qualified specialist appointed by the manufacturer.
- Do not cover the electric heater. Do not block the air outlet at the top or bottom of the heater !
- Ensure that the appliance is not located near curtains or other flammable materials.
- Supervise the heater when children are in the vicinity of the appliance !
- Pay attention to the electricity, never go into the appliance with objects or insert them !
- Do not place any objects on or directly under the heater !
- Please ensure that there is sufficient space/clearance around the appliance !
- Only qualified personnel or electricians are permitted to open the appliance !
- Make sure that no moisture gets into the heater !
- Never touch the plug or socket with wet hands !
- The heater must not be used in the immediate vicinity of bathtubs, washbasins or swimming pools !
- Only use the recommended voltage for operating the heater !
- Make sure that the power cable is unfolded (untied) before you connect it to the socket !
- Make sure that the plug is clean and properly connected to the socket before starting up the heater !
- Do not repair defective or damaged cables on the heater yourself, you could get a serious electric shock !
- Ensure that flammable substances (e.g. gases/oils etc.) are never in the vicinity of the appliance !
- Ensure that the area on and around the appliance remains free of dust, cobwebs and similar dirt at all times to prevent accidental ignition (fire) !
- If the connecting cable of this heater is damaged, it must be replaced by the manufacturer or its customer service or a similarly qualified person in order to avoid hazards.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or have received instructions on how to use the heater.
- If you do not use the heater for a longer period of time, switch it off and disconnect the mains plug !

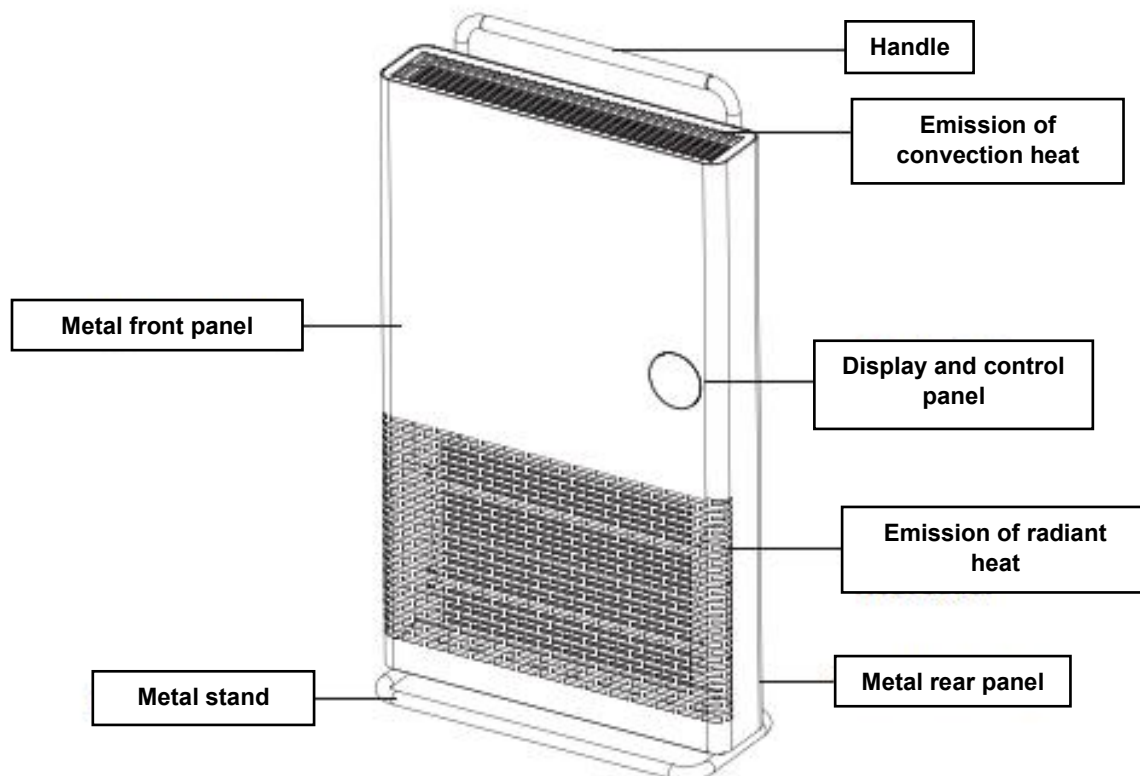
Please switch off the appliance immediately and disconnect it from the mains/power supply if something seems to be wrong ! In this case, please contact a specialist and do not attempt to repair the appliance yourself !

**Example:** House fuse has jumped out during operation of the heater.

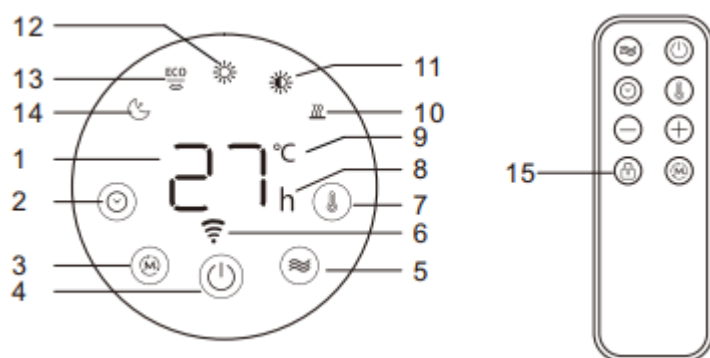
## Packaging of the device:



## Description of the device parts:



## Control panel (touchscreen) and remote control:



- |  |                                   |
|--|-----------------------------------|
| 1. LED display: Shows the set target temperature | 9. Temperature unit (C°)          |
| 2. Timer button (1-24h)                          | 10. Working status of the heating |
| 3. Mode button                                   | 11. Heating level 1 (P1)          |
| 4. On/Off button                                 | 12. Heating level 2 (P2)          |
| 5. Setting the heating level / WiFi button       | 13. ECO mode                      |
| 6. WiFi light                                    | 14. Sleep mode                    |
| 7. Setting the target temperature                | 15. Child safety lock             |
| 8. Hour display                                  |                                   |

<b>Control via the display</b>	On/Off button		Use this button to switch the appliance on and off again.
	Mode button		Setting the ECO and sleep mode
	Timer button		You can use this button to set the timer from 1-24 hours.
	Setting the heating level		Setting heating level 1 (P1) and heating level 2 (P2).
	Setting the target temperature		The target temperature can be set in the range between 5-45° C (or 41-99° F) in 1° increments.
	WiFi button		Press and hold the WiFi button for 5 seconds to activate WiFi. The symbol starts to flash quickly.
	Changing the temperature unit		By pressing and holding the mode button (5 seconds), you can change the temperature unit from Celsius to Fahrenheit and vice versa.
<b>Control via remote control</b>	On/Off button		Use this button to switch the appliance on and off again.
	Mode button		Setting the ECO and sleep mode
	Timer button		You can use this button to set the timer from 1-24 hours.
	Setting the heating level		Setting heating level 1 (P1) and heating level 2 (P2).
	Setting the target temperature		The target temperature can be set in the range between 5-45° C (or 41-99° F) in 1° increments.
	Child safety lock		You can use this button to activate and deactivate the child safety lock.

## **Functions and features:**

- Simultaneous emission of convection and radiant heat
- Strong circulation of the heat emitted
- No operating noise and convenient operation
- Two heating levels P1 (1.100 W) and P2 (2.200 W)
- Constant temperature control thanks to artificial intelligence: as soon as the target temperature is reached, the system automatically reduces the output.
- High concentration of anions to eliminate odours and purify the air.
- The appliance can be controlled both via the control panel on the appliance and by using the remote control supplied.
- The special housing offers a protective function against overheating: the appliance switches off automatically.
- Further features: ECO energy saving mode, sleep mode, child safety lock, timer and remote control included !

## **Mounting the handle and the metal stand:**

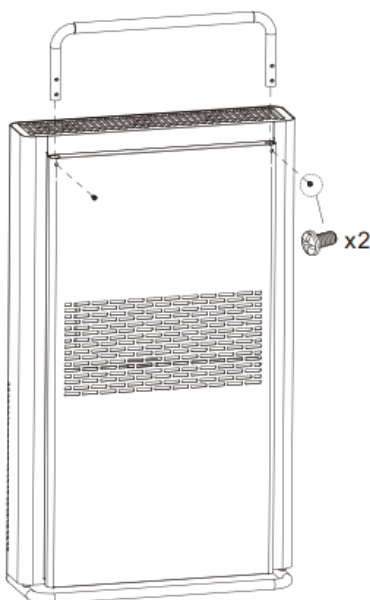
### Mounting the handle (Fig. 1):

1. Insert the handle into the two holes at the top of the appliance
2. Screw the handle tight with two of the enclosed screws

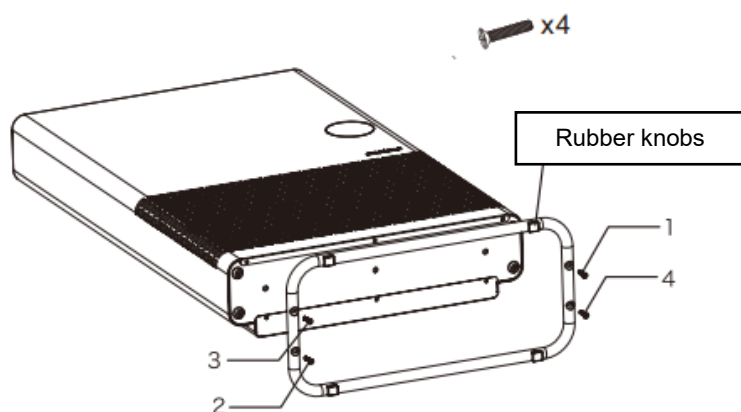
### Mounting the metal stand (Fig. 2):

1. Align the metal stand with the screw holes and screw the first two screws diagonally into the holes in the metal stand. Do not tighten them completely yet!
2. Turn the four rubber knobs on the metal stand outwards.
3. Insert the remaining two screws diagonally into the free holes in the metal stand. Only now should you tighten all the screws evenly!
4. You can now place the appliance upright.

**Fig. 1**




**Fig. 2**



## Instructions for use:






### 1. Commissioning

#### 1.1 Insert the mains plug properly into the socket.

A signal tone sounds, the LED display lights up briefly and switches off again immediately. The On/Off button  lights up continuously.

#### 1.2 Switch the device on using the On/Off button.


The appliance starts operation at level 2 - shown on the screen as "P2". The heating level and the set temperature are shown alternately on the LED display. The appliance starts with a preset target temperature of 25°C.

**Note:** The symbol for heating level 2  (or for heating level 1 ) and the operating status of the heater  are shown on the display. The symbol  is always displayed when the heater is heating. If the device is paired with the Tuya app, the WiFi symbol  is also shown on the display.

#### 1.3 Setting the heating level



To change the set heating level, press the button for setting the heating level. The appliance now runs at level 1 - shown on the screen as "P1". Press the button again to switch back to heating level 2, etc.

#### 1.4 Setting the desired target temperature

Use the button  to set the desired temperature by clicking several times. The appliance starts working immediately. The target temperature can be set in 1°C increments within a range of 5°C - 45°C.

#### 1.5 Setting the operating mode

Two different operating modes can be set:

- By pressing the mode button once, the appliance switches to the environmentally friendly ECO mode with a target temperature of 23°C. The  symbol lights up on the display. The heater starts at heating level P2. As soon as 21°C is reached, the appliance switches to heating level P1 until the target temperature of 23°C is reached. The heater switches off automatically when the target temperature is reached. As soon as the ambient temperature falls back to 21°C or below, the heater switches back on at heating level P2 and repeats the above procedure. You can exit ECO mode again by clicking on the symbol for setting the heating level. The appliance now heats again at heating level P1 or P2 with the set target temperature.
- To switch to sleep mode, press the mode button again. The symbol for sleep mode  lights up. All symbols are switched off and the display remains dark. Sleep mode now works like the energy-saving ECO mode mentioned above. By tapping the display, the other symbols become active again. You can now switch the appliance off, for example, or exit sleep mode by pressing the symbol for setting the heating level.

**Note:** You can switch between the temperature units °C (Celsius) and °F (Fahrenheit) by pressing and holding the mode button (for 5 seconds).

#### 1.6 Setting the timer

If you want to activate/use the timer function (function for determining the remaining running time or function for specifying a start time), press the timer button.

A value between 1 and 24 hours can be set by repeatedly pressing the timer button.

**Note:** You can activate or set the timer both in operating mode and in switched-off mode.

Determining the remaining operating time in operating mode: Press the timer button to select the desired remaining operating time. After this selected operating time has elapsed, the appliance switches off automatically. The remaining running time is shown on the display alternately with the set heating level and the selected target temperature.

Determining a start time in switched-off mode: When the dehumidifier is switched off, press the timer button to select the desired start time. Once this selected time has elapsed, the appliance switches on automatically. The time remaining until the appliance starts is shown on the LED display together with the timer symbol.

**Note:** The set timer can be deactivated again by repeatedly pressing the timer button until the value 0h is reached. The illuminated timer symbol goes out.

## 1.7 WiFi pairing

Press and hold the WiFi button for 5 seconds to (re)start/reset the WiFi pairing.

## 1.8 Control via app



- Download the Smart Life app or the Tuya Smart app.
- Connect the device with your WiFi user name.
- Click on the + symbol in the top right-hand corner or alternatively click on "Add device".
- Go to "Small household appliances" and select "Heater".
- Select the network. Click on next and confirm the setting again. Enter the corresponding password for the selected WiFi network account.
- Click on the connection indicator on the digital screen of the heater. If the indicator light does not flash,
- reset the WiFi by carrying out the setting described in point 1.7.
- Set the device information and press "Finish" to be able to control the heater via the app.

## 2. Cleaning

- Before cleaning, please switch off the appliance and disconnect the mains plug.
- If there is dirt on the surface, please wipe the housing with a damp cloth, then wipe the device again with a dry, soft cloth.
- Do not use volatile oils, alkaline solvents, kerosene, toluene, alcohol, lamp oil, pesticides, etc. for cleaning, otherwise discoloration or deterioration of the appearance will occur.
- Please note that the device should not be exposed to chemical agents that could cause discoloration or crumbling over a longer period of time.
- If you have not used the electric heater for a longer period of time or if the plug has come into contact with water or another liquid, please wipe it with a dry cloth first.

## 3. Storage

- We recommend that you put the device back in its original box for storage.
- Store the heater in a dry and sufficiently ventilated place.

## 4. Other operating instructions

- Do not disconnect the mains plug by pulling on the power cable!
- Do not use insect repellent, oil or paint spray etc. near the heater. This can damage the appliance or even cause a fire!
- Do not place the appliance on a sloping or uneven surface!
- Always keep a sufficient distance from the wall to prevent the appliance from overheating.
- For effective and economical heating operation, please close all doors and windows in the room of the heater!
- Ensure a minimum distance of 60 cm from bathtubs, showers or swimming pools!



## **Technical data:**

Model designation:	WDH-NDU22WT
Voltage:	220 - 240V ~ 50 - 60Hz
Max. power consumption:	2.200 W
Power setting levels:	1 = 1.100 W, 2 = 2.200 W
Thermostat:	Digital thermostat
Operating setting:	LED control panel
Protection class:	IP24
Protection class:	I
Frequency band:	2.4 GHz (WLAN) with: < 20 dBm transmission power
Dimensions (H/W/D):	755 x 460 x 120 mm
Weight:	9.5 kg

*There may be deviations in the technical data !*

## **Troubleshooting**

The heater only provides moderate heat:

The outlet temperature depends on the inlet temperature. As a rule, this is approx. 30-40°C above the inlet temperature and the room is heated by constantly circulating the room air and the associated repeated heating (heating progression), just as with a normal heating appliance.

If you use the heater in a very cold room, e.g., in a garage at 5°C or even colder, it is normal for the outlet temperature to be "moderate". This is because the heater cannot heat up fully immediately in the short time in which the air passes through the heating rods.

The longer the use, the higher the heat output in the room in which the heater is operated.

Below you find a list of all possible error codes:

Error Code	Cause	Troubleshooting
E1	There is a problem with the temperature sensor that measures the current room temperature.	Please contact customer service regarding the replacement of the temperature sensor.
E2	The heater is tilted.	Place the heater on a level surface and restart it.
E3	The heater is located near other heat sources and the ambient temperature sensor detects an ambient temperature of $\geq 55^{\circ}\text{C}$ .	Switch off the appliance and move it away from other heat sources.
E4	The appliance has detected that a window is open due to a temperature drop of at least $5^{\circ}\text{C}$ within two minutes. An alarm is triggered.	Switch off the appliance and close the windows before restarting the heater.



## **Miscellaneous**

### **Guarantee declaration:**

Notwithstanding the statutory warranty claims, the manufacturer grants a guarantee in accordance with the laws of your country, but at least 1 year (in Germany 2 years for private individuals). The warranty begins on the date of sale of the appliance to the end user.

The warranty only covers defects that are attributable to material or manufacturing faults.

Warranty repairs may only be carried out by an authorized customer service centre.

The original sales receipt (with date of purchase) must be enclosed with the warranty claim.

Excluded from the guarantee are:

- Normal wear and tear
- Improper use, e.g., overloading the appliance or non-approved accessories
- Damage due to external influences, use of force or foreign objects
- Damage caused by non-compliance with the operating instructions, e.g., connection to an incorrect mains voltage or non-compliance with the installation instructions
- Completely or partially dismantled appliances

### **Conformity:**

The heater has been tested and the heater itself and/or parts of it have been manufactured in accordance with the following (safety) standards:

#### **Naturally with CE (LVD + EMC) conformity.**

CE (LVD) conformity tested according to: EN 60335-1:2012+A11:2014+A13:2017+A1:2019  
+A14:2019+A2:2019+A15:2021  
EN 60335-2-30:2009+A11:2012+A1:2020+A12:2020  
EN 62233:2008

CE (EMC) conformity tested according to: EN IEC 55014-1:2021  
EN IEC 55014-2:2021  
EN IEC 61000-3-2:2019/A1:2021  
EN 61000-3-3:2013/A1:2019

CE (RED) conformity tested according to: ETSI EN 301 489-1 V2.2.3 (2019-11)  
ETSI EN 301 489-17 V3.2.5 (2022-08)  
EN 55032:2015/A11:202  
EN 55035:2017/A11:2020  
ETSI EN 300 328 V2.2.2 (2019-07)  
EN IEC 62311:2020  
EN IEC 62368-1:2020+A11:2020

- Health and safety in accordance with Article 3.1 (a)  
Health and safety requirements pursuant to Article 3.1 (a)
- Electromagnetic compatibility according to Article 3.1 (b)  
Electromagnetic compatibility pursuant to Article 3.1 (b)
- Efficient use of the radio spectrum in accordance with Article 3.2  
Efficient use of the radio frequency spectrum pursuant to Article 3.2

## Correct disposal of this product



Within the EU, this symbol indicates that this product must not be disposed of with household waste. Old appliances contain valuable recyclable materials that should be recycled. In addition, the environment and human health should not be polluted by uncontrolled waste disposal. Therefore, please dispose of old appliances via suitable collection systems or send the appliance to the place where you purchased it for disposal. They will then recycle the appliance.



We hope you enjoy using this device

*Your Aktobis AG*

***Keep these instructions for use in a safe place !***

**Notes:**

[illegible]

**Notes:**

[illegible]