ARTFORMA

User Manual
of the S6 Weather Station

Front view

WEATHER FORECAST ICONS

WEATHER TREND INDICATOR
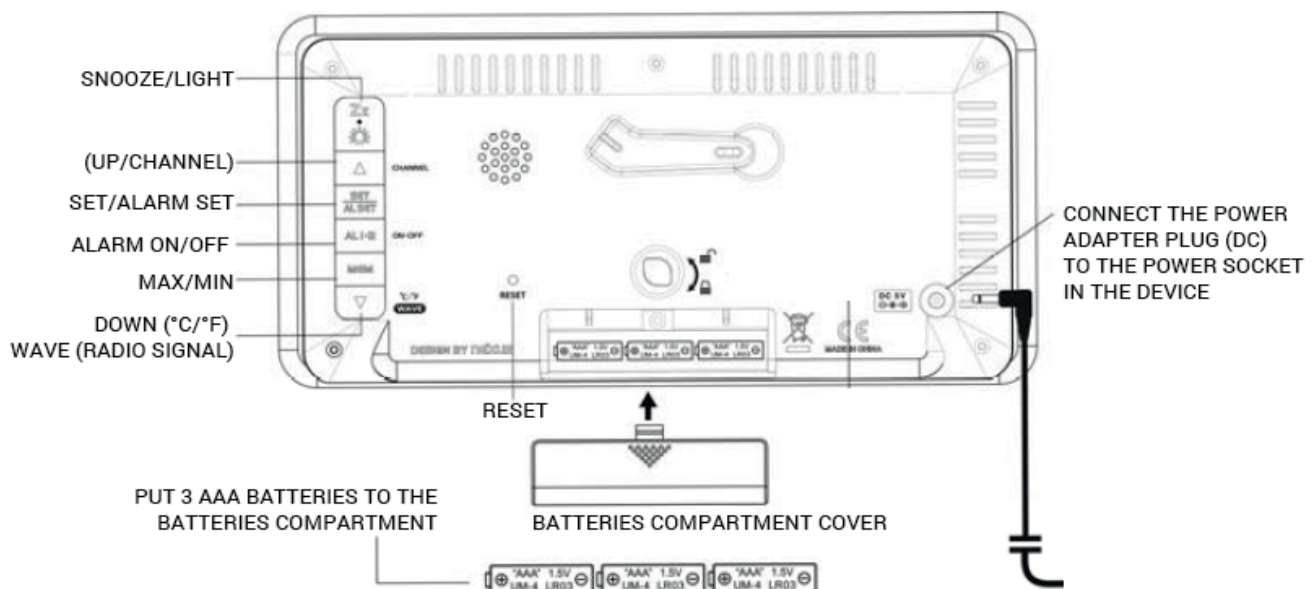
EXTERNAL TEMPERATURE

INTERNAL TEMPERATURE

INTERNAL TEMPERATURE

INDICATOR OF DISCHARGED BATTERY OF THE EXTERNAL TRANSMITTER

EXTERNAL TRANSMITTER CHANNEL

EXTERNAL HUMIDITY

DAY/MONTH

TIME

EXTERNAL HUMIDITY

TURNING ON THE ALARM CLOCK 1 AND 2

Back view

SNOOZE/LIGHT

(UP/CHANNEL)

SET/ALARM SET

ALARM ON/OFF

MAX/MIN

DOWN (°C/°F)

WAVE (RADIO SIGNAL)

CONNECT THE POWER ADAPTER PLUG (DC) TO THE POWER SOCKET IN THE DEVICE

RESET

PUT 3 AAA BATTERIES TO THE BATTERIES COMPARTMENT

BATTERIES COMPARTMENT COVER

Technical data

Temperature range

Indoor	0C to +50 C (+32 F to +122 F) accuracy +1.5C
Outdoor	-25C to +70C (-13F to +158F) accuracy +1.5C

Humidity range

Indoor	20 % - 95 %
Outdoor	20 % - 95 %

Specification

Temperature measurement resolution	0.1 C
Humidity resolution	1 % RV
Temperature and humidity	Measurement every 30 sec.
Air pressure measurement range	850 hPa to 1050 hPa
Alarm clock duration	2 minutes
Snooze duration	5 minutes
Radio frequency	433 MHz
Weather station power supply	Power adapter 4.5 V, 200 mA, batteries 3 x 1.5 V AAA (batteries not included)

s6 **weather station configuration**

Features

- 1200/4,7" (diagonal) a screen with digits of 28 mm showing time
- Automatic time and date setting with DCF radio signal
- 2 alarm clocks
- Programmed snooze
- Night view brightness control
- Weather forecast on a colourful screen: sunny, partially cloudy, fully cloudy, rain, storm
- 12-hours weather forecast based on air pressure changes
- Indoor and outdoor temperature and air humidity (RH%)
- Min. and max. temperature and air humidity values records
- Calendar month-day
- Display in C/F degrees
- 12/24 hours time format
- 433MHz wireless external transmitter
- Main unit powered from an external power adapter
- Batteries: 3 alkaline batteries "AAA" for for archiving data from the main weather station, 2 alkaline batteries "AAA" for an external transmitter. (batteries not included)

Warning!

The weather station is equipped with an atomic clock obtained with the use of wireless technology. Possibility of signal reception in wireless devices may depend on external factors such as:

- Significant transmission distance
- Location inside concrete buildings
- Close location of:
  - Electrical devices
  - Mountains and valleys
  - High buildings
  - Level crossings, high voltage cables etc.
  - Computers and televisions
  - Metal constructions.

s6 weather station configuration

Remember to place the device in a place with an optimal signal. Preferably, it should be placed near a window at a suitable distance from metal surfaces and electrical devices.

Quick Set

1. Plug the power adapter providing the power supply to the weather station to a permanent electrical energy source (without a wall switch) with alternating voltage 120v – 230V.

2. Place the mirror behind the weather station next to the wireless external transmitter. There is a cover in the rear part of the external transmitter. Slide it and open, then put 2 AAA alkaline batteries inside. Make sure the channel switch is set to position 1. Put the battery compartment cover back in place.

3. Make sure that number 1 (i.e. channel 1) is displayed next to the temperature and external humidity. You can choose channel 1 by pressing the ▲ **/ CHANEL** button.

4. The weather station will start receiving a signal from the external transmitter within few seconds. In the end, put the external transmitter in a dry and shaded place.

5. In the event of a power cut, repeat the device setting procedure.

Warning!

The external transmitter handles transmission in an open space for a distance up to 60 meters. However, the actual transmission range may vary depending on the signal's route. It means that each obstacle (roof, walls, floors, ceilings, high trees etc.) reduces the transmission range by half.

max 1m

max 30m

20m

10m
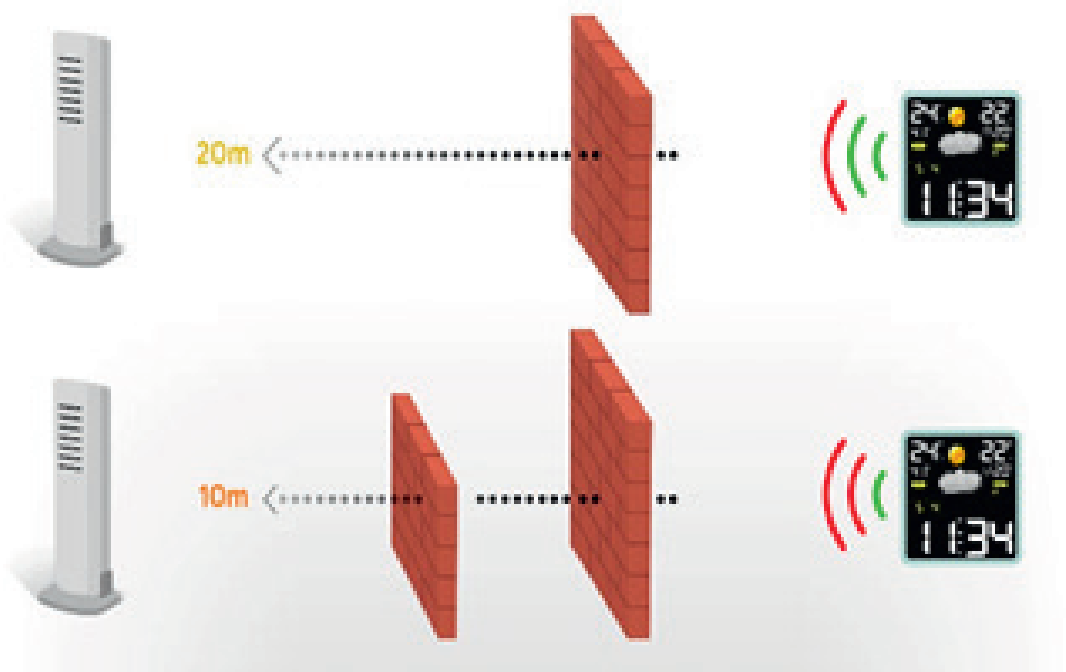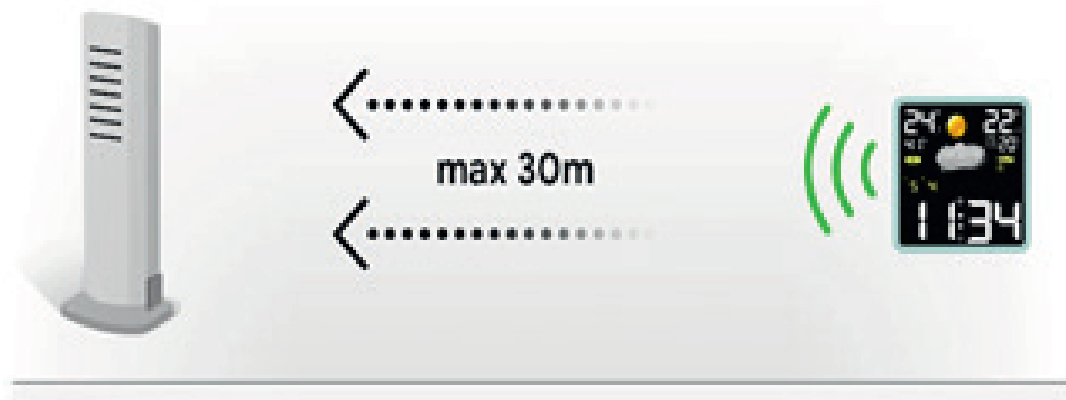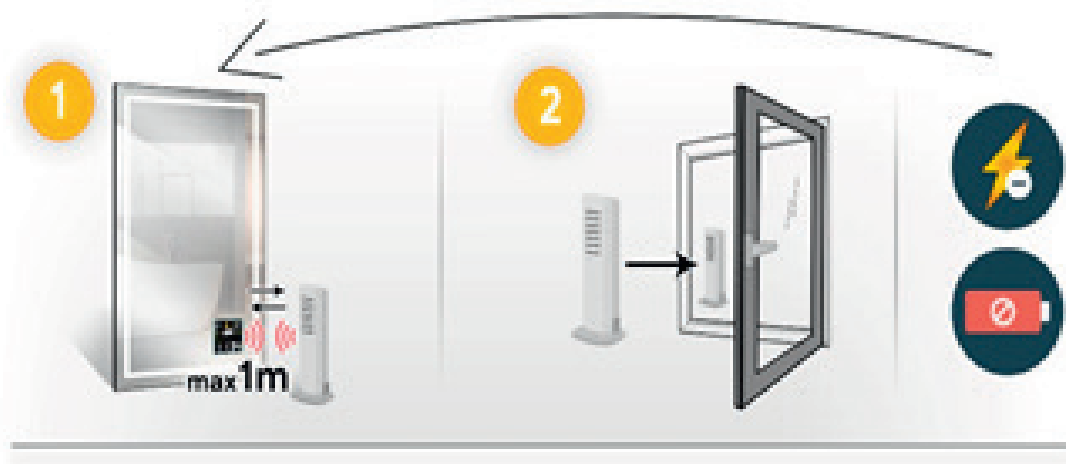
Installation of back-up batteries in the device

The weather station requires three "AAA" alkaline batteries in order to ensure back-up power supply in case of short-term power failure.

- In order to install the batteries, first of all, put the device front facing downwards on an equal surface.
- Then, slide out and remove the battery housing.
- Following the polarity signs "+" and "-, put three "AAA" alkaline batteries in the compartment.
- Eventually, place the battery compartment cover back in place.

If there is a power failure, the illumination will turn off. However, a back-up battery will be able to maintain time and all settings of the device. In order to turn on the illumination for 5 seconds, press the "Zz" button and the sun sign once.

PUT 3 AAA BATTERIES TO THE
BATTERIES COMPARTMENT   BATTERIES COMPARTMENT COVER
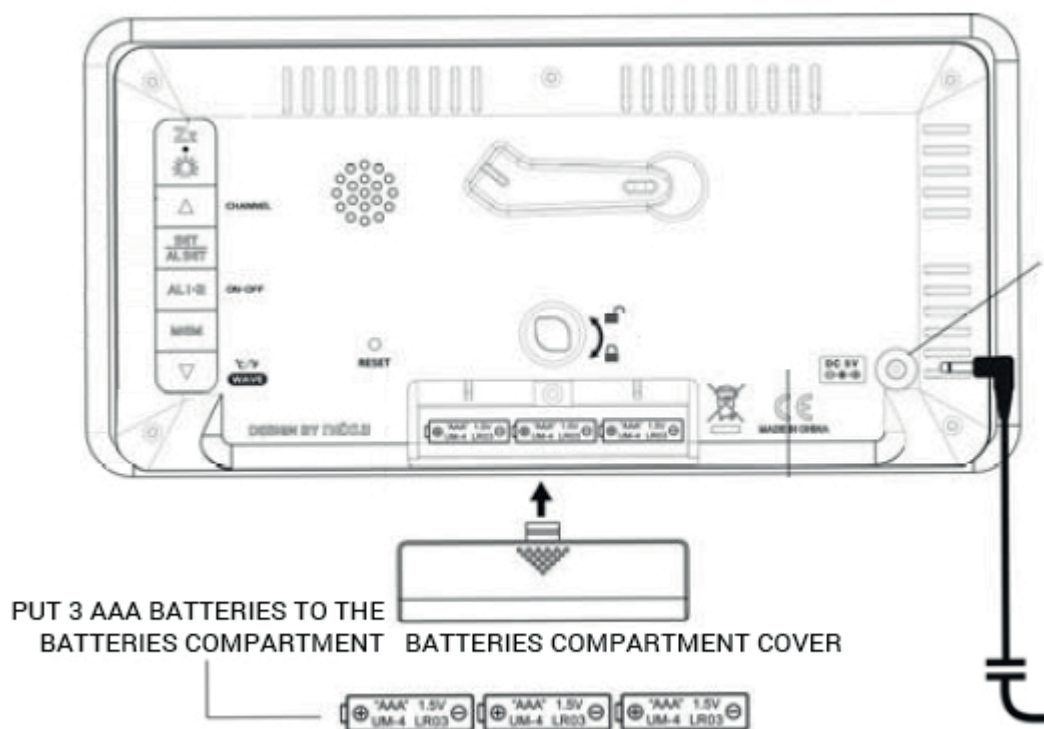
Reception of the DCF time signal

When the device will receive data relating to the temperature and external humidity, it will start reception of the 📶 DCF time signal. The icon will start to pulsate.

DCF signal reception 📶 (the icon is pulsating)

Successful 📶 reception (the icon does not move)

Failed reception (the 📶 icon will turn off)

WARNING

When the clock receives the radio-controlled time signal, all buttons are inactive, except for snooze and illumination buttons.

Upon reception of DCF time code, the weather station will automatically update an accurate time. The clock will try to receive the DCF signal automatically every night at: 1:00 AM, 2:00 AM, 3:00 AM If it fails till 3.00 AM, the device will try to receive the signal once again at 4:00 AM and 5:00 AM. In case of failure, the device will stop attempts of reception till 1:00 AM on the next day.

In order to launch the DCF signal reception manually, press the **WAVE / ▼ (°C/°F)** button and hold it for 2 seconds.

In order to stop the DCF signal reception, press the **WAVE / ▼ (°C/°F)** button and hold it for 2 seconds.

In order to switch off the DCF signal reception, press and hold **▲ / CHANEL** and buttons **▼/(°C/°F) WAVE** for two seconds - the clock will make a short sound signal and the function will be unlocked. Press the buttons twice once again for 2 seconds – the clock will make 2 short signals and the function will be unlocked.
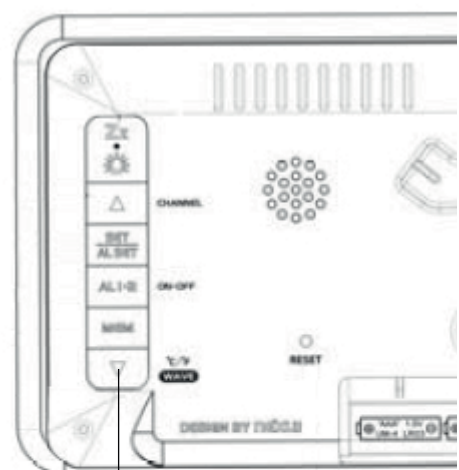
DOWN (°C/°F) WAVE (RADIO SIGNAL)

Manual settings of the S3 weather station

The device settings are made in the following order: time band settings, 12/24 hours format, hours, minutes, year, month, day, month-day display or day-month display and snooze duration.

1. **In order to set the time zone,** first, press the `SET AL SET` button and hold it for 2 seconds – the time display will change to "00". Use ▼/▲ buttons to set a chosen time zone: +12 to -12

2. **In order to choose the time format,** press `SET AL SET` button once again – the time display will change to "24Hr" and it will start to pulsate. Press ▲ or ▼ button to choose the "12Hr" time format. Once you choose 12-hours format, the PM indicator will show up on the display.

3. **In order to set time,** press `SET AL SET` button once again – the digits "0" of the hour will start to pulsate. Press ▲ or ▼ button to set a right hour. If you would like to speed up settings, press and hold the ▼/▲ button.

4. **In order to go to minute setting,** press the `SET AL SET` button – the digits "00" representing minutes will start to pulsate. Press ▲ or ▼ button in order to set minutes. Press and hold ▼/▲ button to speed up settings.

5. **In order to set the year,** press the `SET AL SET` button – "Yr" and "2013" will start to pulsate. Choose the ▲ button and ▼ button and set a right year.

6. **In order to set the month,** press the `SET AL SET` button – the indications of the month will start to pulsate. Press the ▲ or ▼ button and choose the current month.

7. **In order to set the day,** choose the `SET AL SET` button once again – the indications of the day will start to pulsate Press the ▲ or ▼ button and set the current day.

8. **In order to choose the calendar display mode** month-day "m", "d" or day-month "d", "m", press `SET AL SET` – the month-day "m", d" indications will start to pulsate. Make a choice using the ▲ or ▼ button.

9. **In order to choose snooze duration** (within the range from 5 to 60 minutes) press [SET/AL SET] button once again, then "SN" and "05". Then, use ▲ or ▼ button.

10. **In order to return to the normal mode,** press the [SET/AL SET] button. The return to the normal mode will also be made automatically if you do not press any button within 10 seconds.

Alarm clock settings

1. **In order to set the hour of the alarm clock,** press the [SET/AL SET] button once – the time will change to "6:00" and „A1". Then, press [SET/AL SET] button and hold it for 2 seconds in order to launch the alarm clock time pulsing. Press the ▲ or ▼ button and set the chosen time.

2. **In order to set minutes of the alarm clock,** press the [SET/AL SET] button once again – the minutes of the alarm clock will start to pulsate. Use ▲ or ▼ buttons to set minutes.

3. **In order to finish setting of the Alarm Clock 1**, press the [SET/AL SET] button once. Then the weather station will return to the normal mode.

4. **In order to set time of the Alarm Clock 2**, press the [SET/AL SET] button twice in the normal display mode – prepare the above-mentioned steps to set the Alarm Clock 2.

Turning on or off the day alarm clock

1. Press the [AL 1·2 ON·OFF] button once in order to turn on only the Alarm Clock 1 – an icon [1] will appear on the display screen

2. Press the [AL 1·2 ON·OFF] button once again in order to turn on only the Alarm Clock 2 – an icon [2] will appear on the display screen

3. Press the [AL 1·2 ON·OFF] button once again in order to turn on the Alarm Clock 1 and 2 – an icon [1] and [2] will appear on the display screen

4. Press the [AL 1·2 ON·OFF] button once again in order to turn on the Alarm Clock 1 and 2 – an icon [1] and [2] will appear on the display screen [2]

Weather forecast and temperature

Temperature display in C or F
- In order to display the temperature in C or F units, press the **WAVE / ▼ (℃/℉)** button

Weather forecast and pressure change indicator
- The weather station has an integrated barometric pressure sensor measuring the air pressure changes over time. For about 12 hours, the station collects and calculates the mean values of the air pressure, then it creates a weather forecast for the next 12 hours.

Air pressure changes indicators
- When the ⬈ arrow appears, it means that the air pressure is increasing and we can expect that the weather will be better.

- When the ⬊ arrow appears, it means that the air pressure is decreasing and we can expect that the weather will be worse.

- When the ➡ arrow appears, it means that the air pressure is stable.

Warning

If you move the mirror with a weather station from one floor of the building to another one or to another building, it may affect the accuracy of measurements. The weather station should be used all the time at the same altitude above sea level. Remember that if you move it to another place, it may took 12 hours until it will stabilise and will start to provide accurate data.

Displaying the air pressure values

Press the **MEM** button and hold it, so that the air pressure value in hPa will appear instead of the calendar view. Press the **MEM** button and hold it to return to the calendar view.

The weather station provides a weather forecast 12 hours in advance. The weather forecast does not have to be fully compatible with the current weather outdoors.

Displaying maximum and minimum external/internal temperature and humidity

Press the **MEM** button once in order to display the maximum internal/external temperature and humidity values with "**MAX**" icons on the display screen. Press this button once again to display minimum internal/external temperature and humidity values with "**MIN**" icons showed on the display screen.

When the maximum and minimum values are displayed, press and hold the **MEM** button to reset both records and launch a new maximum and minimum values recording.

Weather icons

The device has 6 weather icons that can be displayed

	SUNNY
	SUNNY WITH A FEW CLOUDS (PARTIALLY CLOUDY)
	FULLY CLOUDY
	RAIN
	STORM
The ice warning icon appears when the temperature outdoors is below +3 °C	**ICE WARNING**

Troubleshooting

**Indicator of discharged battery in the external transmitter**

If the [icon] icon appears indicating that the battery level of the external transmitter starts to be low, you will probably have to replace batteries for new ones.

Low battery voltage may be caused by an extremely cold weather (e.g. a temperature below -10 C).

Remember not to use rechargeable batteries since they do not provide the recommended 1,5V voltage.

Other issues

If the weather station displays incorrect data or digits, that may be caused by electrostatic discharges or interferences from other devices. In in such case, press the **RESET** button using a sharp tool. The device will reset itself to the default settings, then you will have to set the time, calendar and alarm clock time once again.

Reset
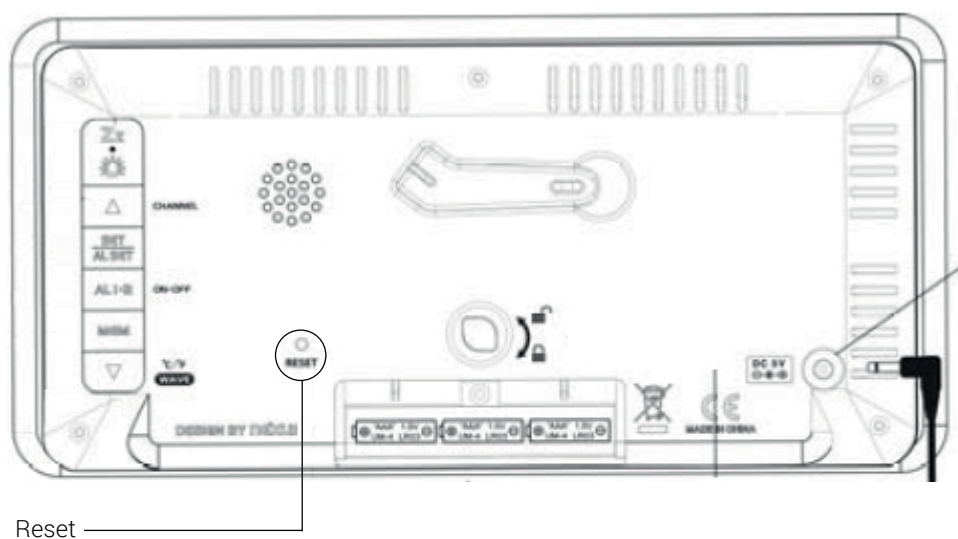
s6 weather station configuration

MAINTENANCE AND CLEANING

● Remember not to expose the device to high temperatures, water or direct sunlight.

● Avoid any contact of the device with corrosive materials.

● Do not open the internal cover and do not interfere into the parts of the device.

● Do not connect the device to any power adapters with improper specification or wrong voltage.

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