TechniSat iMETEO X2 Weather Station with Sensor User Manual
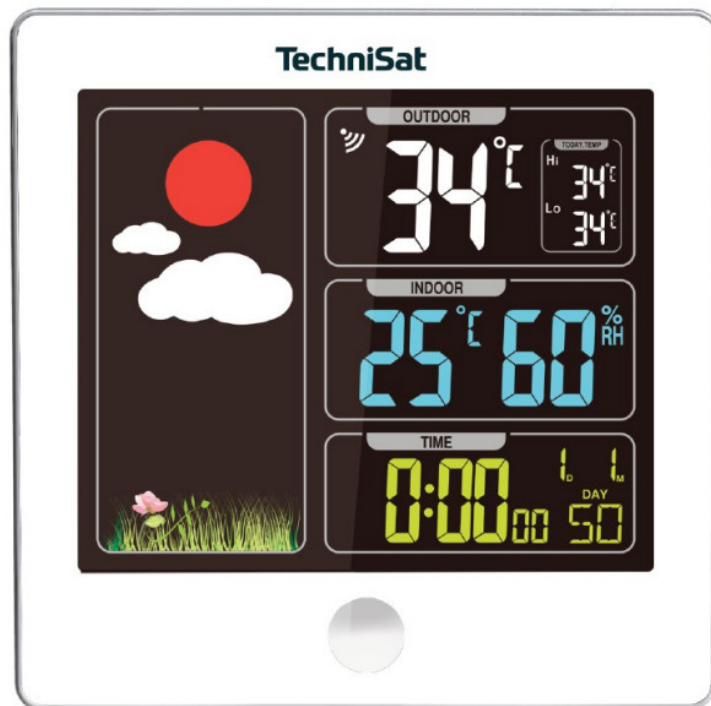
iMETEO X2 user manual

Contents

iMETEO X2 Weather Station with Sensor

Weather station with temperature, humidity measurement function, equipped with an external wireless measuring sensor.
Notes on recycling
Your new device was protected by packaging on its way to you.
All materials used are environmentally friendly and recyclable.
Please help us to dispose of the packaging in an environmentally friendly manner. Please contact your retailer or local waste disposal facility for information on current disposal methods.

This appliance has been designed and manufactured using high-quality materials and components that are suitable for repeated use. The symbol of the crossedout wheeled bin indicates-
It indicates that the product is subject to separate collection in accordance with Directive 2012/19/EU of the European Parliament and of the Council and in accordance with Directive 2006/66/EC of the European Parliament and of the Council, and informs that electrical and electronic equipment and batteries and accumulators, after their useful life, must not be disposed of with other household waste. The user is obliged to hand it over to a waste electrical and electronic equipment and batteries and accumulators collection system operator, including the relevant shop, local collection point or municipal unit. Waste equipment may have a harmful impact on the environment and human health due to its potential content of hazardous substances, mixtures and components. The household plays an important role in contributing to the reuse and recovery, including recycling, of waste equipment. At this stage, attitudes are formed that influence the preservation of the common good, which is a clean environment. Households are also one of the biggest users of small appliances, and their rational management influences the recovery of secondary raw materials.
In the event of improper disposal of this product, penalties may be imposed in accordance with national legislation.

Introduction

Security
Read all safety instructions carefully and keep them for future reference. Always follow all warnings and instructions in this manual and on the back of the appliance.

Be careful when using the mains adapter!

– The power supply unit may only be connected to a mains supply of 230 – 240 V~, 50Hz. Never attempt to use the unit for operation at any other voltage.

– The supply cable must not be connected until the installation is right- of- way complete.
– If the unit's power cord is damaged or if the unit is otherwise damaged, do not operate the unit.
– Do not pull on the cable when disconnecting the power supply from the socket.
– To avoid the risk of fire and electric shock, do not expose the device and the power supply unit to rain or moisture.
– Do not use the device near baths, swimming pools or water.
– Do not place containers with liquids, such as flower vases, on the unit. They may fall off and the leaking liquid may cause serious damage or risk of electric shock.
– Do not open the housing. Otherwise there is a risk of electric shock.
– Never attempt to repair a defective unit yourself. Always contact one of our customer service centres.
– Do not open the unit under any circumstances – this can only be done by a specialist.
– Foreign bodies, e.g. needles, coins, etc., must not fall into the unit.
– The appliance is not a toy. Children do not recognise the dangers of using electrical appliances. Keep the appliance out of the reach of children and pets.
– Do not crush, throw or shake the device.
– Do not use any heat sources near the station or sensors, which may also heat them up.
– Please do not use the device if it has fallen into water.
– Please use only a dry cloth for cleaning.

⚠ Attention:

– Please do not remove the housing on your own.
– Do not grease / lubricate the unit.
– Do not place the unit on top of other electrical equipment.
– The product is designed for indoor use.
– The station is powered by a 5V AC adapter or LR 03 AAA batteries. The sensor is powered by LR03 AAA. Please keep batteries (not included) away from heat sources and open flames.
– Danger of suffocation! Packaging and its parts should not be left to children. Risk of suffocation due to foil and other packaging materials.
– 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 have received supervision or instruction concerning use of the appliance from a person responsible for their safety.

Special functions of the device

– DCF radio clock
– Time format 12 or 24 hours
– Calendar to 2099
– Display of days of the week in 7 languages: English, German, Italian, French, Spanish, Dutch and Danish.
– Alarm and snooze function Humidity:
– Measurement range: 20% – 95% (base station) Temperature:
– Indoor temperature measurement range: 0°C (32°F) ~ 50°C (122°F)
– range of indicated outdoor temperature measurement:
-20°C (-4°F) ~ 60°C (140°F)
– choice of temperature unit °C or °F
– Temperature and humidity displayed on the main screen
– Maximum/minimum temperature value memory Wireless external sensor:
– can be wall-mounted or placed on a desk
– transmission range in open field: up to 60 metres
– Weather forecast (indicative display) Power supply:
– Weather station:

5V AC power supply (150mA) or *batteries: 2 x LR03 AAA
– External sensor:
*Batteries: 2 x LR03 AAA
Transmitter output power: +10 dBm. Frequency 433.92 MHz
* Batteries not included.

View of the device

Base station
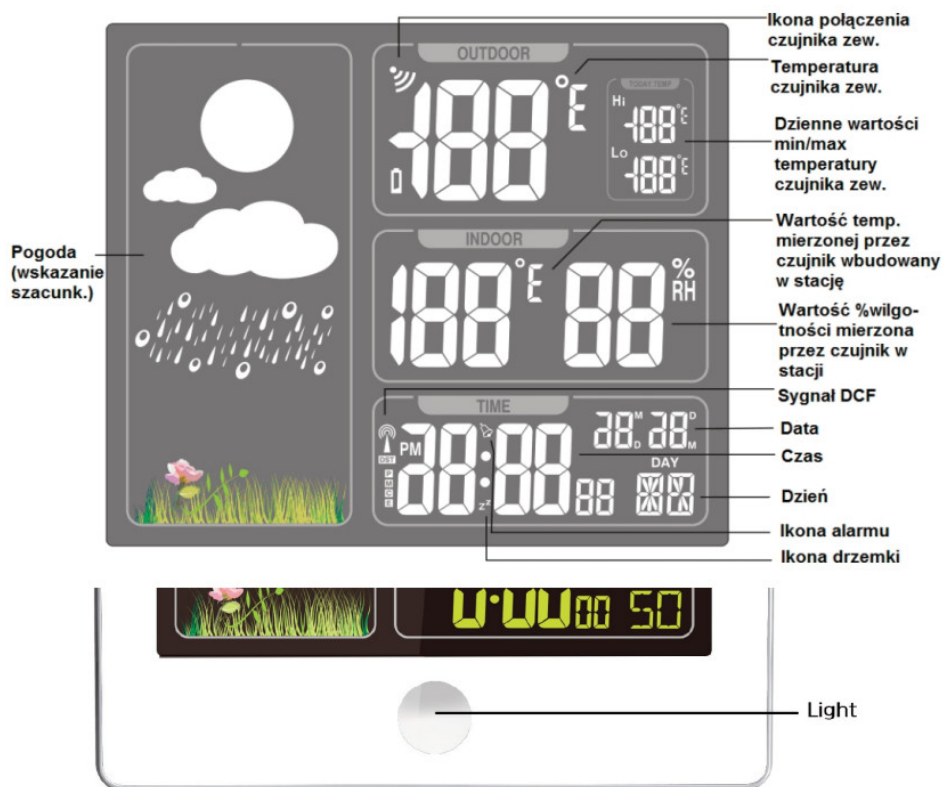
Buttons on the back of the unit: MODE, ALARM, UP, DOWN, WAVE, LIGHT/SNZ.

External sensor
– Transmission frequency: 433.92 MHz. Power: 10dBm.
– The transmission range is up to 60m (200 ft).
– Insert 2 batteries into the transmitter, Ensure correct polarity.

First configuration of the device

a. Switching on the weather station for the first time
– Open the battery cover on the back of the weather station
– Insert two AAA batteries observing the polarity markings
[symbols "+" and " -"], close the battery cover or connect the 4.5V DC power supply to the power connector.
– When the batteries are inserted (or the power supply is connected), the segments of the display will illuminate , the unit will beep and display the current indoor temperature and humidity readings.
– The weather station will start synchronisation with the z- interior sensor.
This process will take a maximum of 3 minutes and will be indicated by a flashing antenna symbol on the external sensor display screen.
– Then, open the battery cover in the outdoor sensor, and insert two AAA batteries observing the polarity markings, close the battery compartment.

b. DCF radio signal reception

– The device will start automatically picking up the DCF signal when it connects to the external sensor. The radio mast icon will flash (DCF signal icon).
– Each day at 1:00 / 2:00 / 3:00 a.m., the unit automatically synchronises the time settings according to the received DCF signal, thus correcting any deviation from the correct time indication. If synchronisation attempts fail (the antenna mast symbol disappears from the display), the appliance makes another attempt at full time. The synchronisation procedure is then repeated up to 5 times.
– To manually start synchronisation with DCF time, press the Wave button. If the unit does not receive a radio signal within 7 minutes, the search will end (the radio mast icon will disappear).
c. Additional information
– A flashing radio mast symbol indicates that a DCF signal search has started.
– A permanently displayed radio mast icon indicates that the signal DCF was received successfully.
– It is recommended that the product is placed at least 2.5 metres away from any sources of potential interference such as televisions, computer monitors or power supplies.
– Signal reception is weaker in rooms with concrete walls (e.g. basements) and in offices. In this case, the station should be placed near a window.
– During reception of the DCF signal, only the Light button is active, the other buttons are inactive. If you wish to use other functions, press the Wave button to interrupt reception of the DCF radio signal.

c. Manual setting of time, date, language.
– Press and hold the MODE button for 2 seconds to enter the setting mode, the year digits will start flashing on the display. Use the UP and DOWN buttons to set the correct year.
– Press the MODE button to confirm the setting, the month digits will flash on the display. Use the UP and DOWN buttons to set the correct month.
– Press the MODE button to confirm the setting, the day digits will start flashing on the display. Use the UP and DOWN buttons to set the correct day.
– Press the MODE button to confirm the setting, the Month and Day will start flashing on the display. Use the UP and DOWN buttons to set the display order Month/Day or Day/Month.
– Press the MODE button to confirm the setting, the weekday language selection will start flashing on the display. Use the UP and DOWN buttons to set the language of the days of the week. Available languages: EN (English), GE (German),IT (Italian), FR (French), SP (Spanish), DU (Dutch) and DA (Danish).
– Press the MODE button to confirm the setting, the time zone symbol will flash on the display. Use the UP and DOWN buttons to set the time zone correctly (-12 to +12).
– Press the MODE button (B1) to confirm the setting, the 12/24Hr symbol will flash on the display, use the UP and DOWN to set the 12 or 24 hour mode.
– Press the MODE button to confirm the setting, the time digits will start flashing on the display. Use the UP and DOWN buttons to set the time correctly.
– Press the MODE button (B1) to confirm the setting, the minutes will start to flash on the display. Use the UP and DOWN buttons to set the minutes correctly.
– Press the MODE button (B1) to confirm the setting and complete the configuration, the unit will return to normal light mode. Additional information
– If no settings have been made within 20 seconds, the device will automatically return to normal display mode.
– When making a selection, holding the UP and DOWN buttons longer will change the parameters more quickly.

Setting alarms

– Press the MODE button briefly to display the alarm time, press the MODE button again, the station returns to displaying the current time.
– Press and hold the ALARM button for 3 seconds , the alarm hour digits will start to flash on the display. Use the UP and DOWN buttons to set the alarm time.
– Press the ALARM button to confirm the setting, the digits of the alarm minutes will start flashing on the display. Use the UP and DOWN buttons to set the alarm minutes.
– Press the ALARM button to confirm the setting, the minutes will start to flash on the display for the snooze duration setting.
– Press the ALARM button to confirm the settings and exit the setting mode.
Additional information
– A single press on the ALARM button activates the alarm (a chime icon appears next to the alarm time). Po-Pressing the ALARM button again deactivates the alarm.

Alarm deactivation
– During the alarm, press any button except SNOOZE/LIGHT (available on the back of the station) or LIGHT (available on the front) to switch off the alarm.
There is no need to re-activate the alarm, it will automatically sound at the same time the next day.
Additional information
– If the alarm is not switched off by pressing any button, the alarm will be automatically switched off after one minute. In this case, the alarm will also be repeated automatically after 24 hours.
– During the duration of the alarm (time: 1 minute), the sound signal changes in volume.
Snooze function
– While the alarm is in progress, please press the LIGHT button (available on the front of the station) or the SNZ/LIGHT button on the back of the unit. The alarm will resume after 10 minutes (unless the snooze time has been changed in the alarm settings).

RF data transmission

– The weather station will automatically start receiving temperature and humidity data, from an external sensor, when a battery is inserted or when a 5V AC power supply is connected.
– The outdoor sensor automatically transmits temperature and humidity data to the weather station when the batteries are inserted.
– A station can be connected to one external chunnel at a time.
– If the weather station is not receiving data from the external sensor (the "- – -" icon will appear on the display).
– If the weather station does not receive a transmission from the remote sensor, press and hold the DOWN button for 3 seconds to receive the transmission manually. The station will start searching for a signal from the external sensor (RF icon will start flashing).
Additional information
If the temperature indication is below the range, the LL symbol will be displayed. If the temperature indication is above the range, the HH symbol will be displayed.

Weather forecast function

The weather forecast is calculated on the basis of humidity and temperature data and may deviate from the actual weather conditions, e.g. if the station is placed in a central heating room or the humidity and temperature record differs significantly from the actual natural state.
When following the weather forecast, both the forecast from the local weather station and this device should be taken into account. If there are any discrepancies between the forecasts, the forecast from the local weather station should be used.

Screen backlighting

– If the product is battery powered, press the SNOOZE/LIGHT or LIGHT button. The backlight will wake up for 8 sec.

Contact details

Service request TechniSat tel: 071310 41 48
e-mail: **serwis@technisat.com**
Customer Service
Tel: 071 310 41 41
e-mail: **biuro@technisat.com**

TechniSat Digital Sp. z o.o. hereby declares that the IMETEO X2 me- teorological station complies with Directive 2014/53/EC, RoHS. The full text of the EU declaration of conformity is available at **https://konf.tsat.de/?ID=23022**
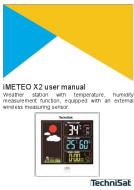
$C \epsilon$

Manufacturer

TechniSat Digital Sp. z o.o.
ul. Poznańska 2,
Siemianice 55-120 Oborniki
Śląskie

Power supply

specifications Input: AC 230240V, 50 Hz
Output: AC 5V, 150mA (power 0.75W) No-load
power consumption: 0.21W Average operating
efficiency: 53.5% Power supply
manufacturer: HUA XU ELECTRONICS No.
1 Shi Tang Bei
2, Shi Jie Town, Dong Guan City, 523290
Guangdong, China

Documents / Resources

iMETEO X2 user manual Weather station with temperature, humidity measurement function, equipped with an external wireless measuring sensor	**TechniSat iMETEO X2 Weather Station with Sensor** [pdf] User Manual ESPOG02, ESPOG02, iMETEO X2 Weather Station with Sensor, iMETEO X2 Weather Station, iMETEO X2, Weather Station with Sensor, Weather Station, Temperature Sensor, Humidity Sensor, Sensor

References

- **User Manual**