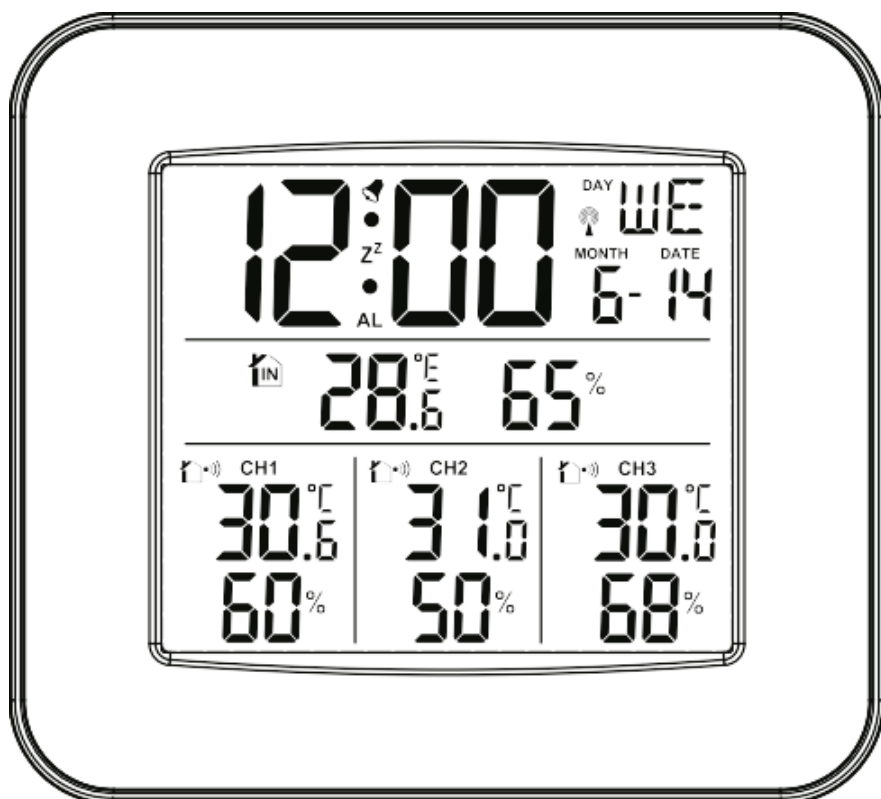


# Weather Station

**EWS-**

## Wetterstation



Operating Instructions

**GB**

Bedienungsanleitung

**D**

Mode d'emploi

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Instrucciones de uso

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Návod k použití

**CZ**

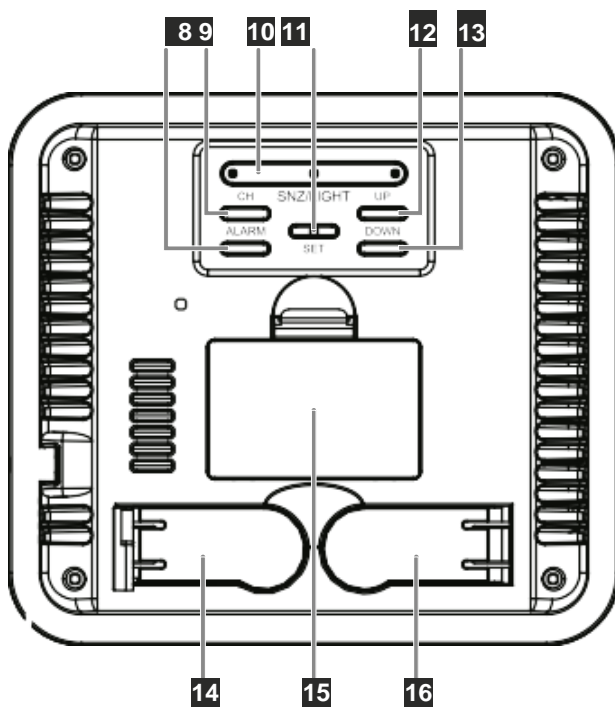
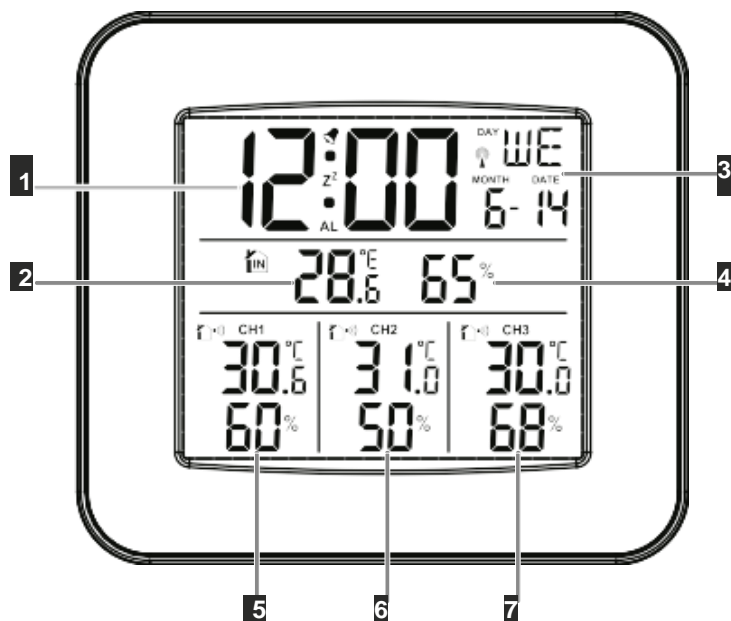
Návod na použitie

**SK**

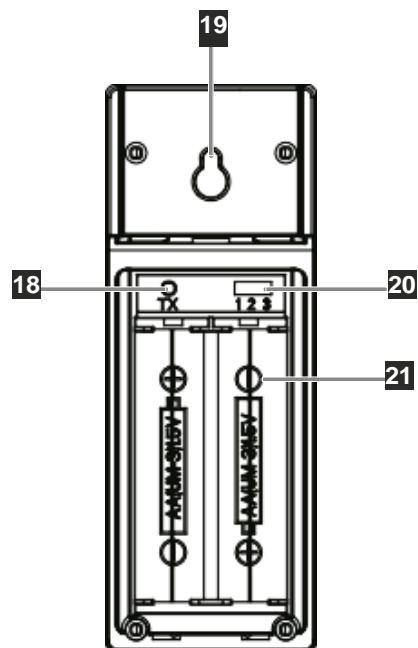
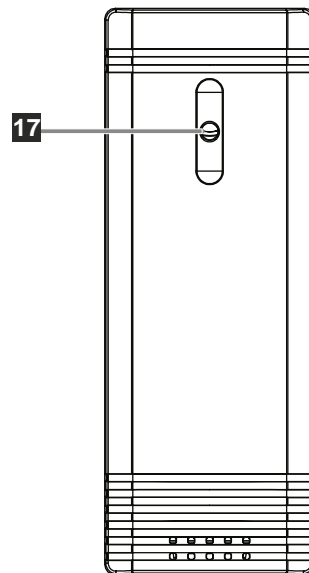
Manual de utilizare

**RO**

**A**



**B**





## Controls and

### Displays A Base

#### station

1. Time
2. Room temperature
3. Day of the week + date + calendar month DCF signal radio symbol
4. Room humidity
5. Outdoor temperature/outdoor humidity channel 1 (**CH1**), low battery level display for measuring station 1
6. Outdoor temperature/outdoor humidity channel 2 (**CH2**), low battery level display for measuring station 2
7. Outdoor temperature/outdoor humidity channel 3 (**CH3**), low battery level display for measuring station 3
8. **ALARM** button = displaying/setting/deactivating/activating the alarm functions
9. **CH** button = manual search for a signal from the measuring station/channel selection
10. **SNZ/LIGHT** button = temporarily interrupts the alarm (snooze)/activates the backlight
11. **SET** button = settings/confirms the setting
12. **UP** button = increases the current set value/recalls the saved maximum/minimum values (MAX/MIN)
13. **Down** button = decreases the current set value/ toggles between °C and °F / activates/deactivates manual DCF radio signal reception
14. + 16. Fold-out bases
15. Battery compartment

#### B Measuring station

17. Transmission indicator light
18. **TX** button = manual connection to the base station
19. Recess for wall mounting
20. Slide switch = selects channel 1, 2 or 3
21. Battery compartment

Thank you for choosing a Hama product.

Take your time and read the following instructions and information completely. Please keep these instructions in a safe place for future reference. If you sell the device, please pass these operating instructions on to the new owner.

## 1. Explanation of Warning Symbols and Notes

### Warning

This symbol is used to indicate safety instructions or to draw your attention to specific hazards and risks.

### Not

This symbol is used to indicate additional information or important notes.

## 2. Package Contents

- Trio weather station (base station for indoors)
- 3 measuring stations for outdoors
- 3 AAA batteries
- 6 AA batteries
- These operating instructions

## 3. Safety Notes

- The product is intended for private, non-commercial use only.
- Do not operate the product outside the power limits given in the specifications.
- Do not use the product in moist environments and avoid splashes.
- Do not use the product in the immediate vicinity of heaters or other heat sources or in direct sunlight.
- Do not use the product in areas where the use of electronic devices is not permitted.
- Do not place the product near interference fields, metal frames, computers, TVs, etc. Electronic devices and window frames can negatively affect the product's functionality.
- Do not drop the product and do not expose it to any major shocks.

- Do not open the device or continue to operate it if it becomes damaged.
- Do not attempt to service or repair the product yourself. Leave any and all service work to qualified experts.
- Keep the packaging material out of the reach of children due to the risk of suffocation.
- Dispose of packaging material immediately according to locally applicable regulations.
- Do not modify the product in any way. Doing so voids the warranty.

### Warning – Batteries

- Immediately remove and dispose of dead batteries from the product.
- Only use batteries (or rechargeable batteries) that match the specified type.
- Do not mix old and new batteries or batteries of a different type or make.
- When inserting batteries, note the correct polarity (+ and - markings) and insert the batteries accordingly. Failure to do so could result in the batteries leaking or exploding.
- Do not charge batteries.
- Keep batteries out of the reach of children.
- Do not short circuit the batteries/rechargeable batteries and keep them away from uncoated metal objects.

## 4. Getting started

### Not

Before use, make sure that you insert the batteries in the measuring station first and then in the base station.

### 4.1 Measuring station

- Open the **battery compartment** (21) and insert two AA batteries with the correct polarity into the battery compartment.

- Use the **slide switch** (20) to select the channel that the respective measuring station is to use for transmission. Each of the three measuring stations must use a different channel!
- Close the battery compartment.

### 4.2 Base station


- Open the **battery compartment** (15) and insert three AAA batteries with the correct polarity into the battery compartment.
- Then close the battery compartment cover.

### 4.3 Replacing the batteries


#### Note – Replacing the batteries

- Note that the stations have to be resynchronised each time after you change the batteries in the measuring or base station.
- To do this, remove the batteries from the other station and then reinsert them, or change them as required.

### Measuring station

- If the  symbol is displayed on the basis station in the measurement values area of one of the three measuring stations (5/6/7), replace the two AA batteries of the affected measuring station with two new ones.
- Open the battery compartment (21), remove and properly dispose of the depleted batteries, and insert two new AAA batteries with the correct polarity. Then close the battery compartment cover.

### Base station

- If the  symbol is displayed on the base station in the indoor values area (2), replace the three AAA batteries in the base station with three new ones.
- Open the battery compartment (15), remove and properly dispose of the dead batteries and insert three new AAA batteries with the correct polarity. Then close the battery compartment cover.

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## 5. Installation

### Note – Installation

- We recommend initially placing the base station and measuring station(s) in the intended locations without installing them and making all the settings described in **6. Operation.**
- Only install the stations once the appropriate settings have been made and a stable wireless connection is established.

### Not

- The wireless transmission range between the measuring and base stations is up to 50 m in open spaces.
- Before installation, ensure that wireless transmission will not be disrupted by interference or obstacles like buildings, trees, vehicles, high-voltage lines, etc.
- Before the final installation, ensure that there is sufficient reception between the intended installation locations.
- When installing the measuring station, ensure that it is protected from direct sunlight and rain.
- The international standard height for measuring air temperature is 1.25 m (4 ft) above ground.

### Warning

- Buy special or suitable installation material from a specialised dealer for wall-mounting.
- Ensure that no faulty or damaged parts are installed.
- Never apply force during installation. This could damage the product.
- Before installation, ensure that the chosen wall is suitable for the weight to be mounted, and make sure that there are no electrical wires, water, gas or other lines at the installation site on the wall.

## 5.1 Base station

- Use the base to position the base station on a level surface.

## 5.2 Measuring station

- You can also position the measuring station on a level outdoor surface.
- We recommend installing the measuring station securely on an outdoor wall using the opening (19).

## 6. Operation

### 6.1 Connection to the measuring station


After you have inserted the batteries, the base station automatically searches for a connection to the three measuring stations and performs initial setup.



### Not

- Remember that each of the three measuring stations must use a different channel.
- Initial setup takes approximately 3 minutes.
- During the connection attempt, the measuring station radio symbol will flash.
- Do not press any buttons during setup. Otherwise, values may not be transmitted correctly and there is a risk of value errors and inaccuracies.
- The process is completed when the indoor (2/4) and outdoor (5/6/7) measurement data is displayed.
- If a signal from the measuring station is still not received, select one of the three channels by pressing the **CH** button (9). Then hold the **CH** button (9) for approximately 3 seconds to start the manual search for the signal.
- Press the **TX** button (18) on the desired measuring station to initiate the transmission of a signal that can be received by the base station.

## 6.2 Basic and manual settings


### Automatic setting using the DCF signal (radio- controlled clock)

- When the base station has been switched on for the first time and successful transmission has been established between the base station and the measuring station, the clock will automatically search for the DCF signal. During the search, the radio symbol  for DCF reception flashes.

Display (8)	Searching for the DCF signal
 Display flashing	Active
 Displayed continuously	Successful – signal is being received
Not displayed	Deactivated

- If the station still does not receive a signal, press and hold the **DOWN** button (13) until the radio symbol begins to flash, to start the manual search for the DCF signal.

#### Note – Time settings

- The search process takes about 3 minutes. If the search fails, it ends and is repeated at the next clock hour. The radio symbol  goes out.
  - It is not possible to manually set the time and date during the search for the DCF signal.
  - The clock automatically continues to search for the DCF signal on a daily basis (between 1 am and 5 am) to correct any deviations.
  - If the signal is received successfully, the manually set time and date are overwritten.
- Press and hold the **DOWN** button (13) again for approximately 3 seconds to stop the manual search.

#### Note – Summer time

- The clock automatically switches to summertime.

### Manual settings

#### Not

- Hold the **UP** button (12) or the **DOWN** button (13) to select the values faster.
- Press the **SET** button (11) to make the following settings in order:
  - Time zone
  - Year
  - Calendar month
  - Date
  - Hour
  - Minute
  - 12/24-hour format
- To select individual values, press the **UP** button (12) or the **DOWN** button (13) and confirm each selection by pressing the **SET** button (11).
- Press the **SET** button (11) to adopt the set value displayed and to skip.
- If you do not make an entry for 20 seconds, you automatically exit the setting mode.

#### Note – Time zone

- The DCF signal can be received over long distances, but always transmits the current Central European Time in Germany. Please note that for countries with a different time zone, you must set the time difference manually.
- If you are in Moscow, for example, the time is 3 hours later than in Germany. This means that you should set +3 for the time zone. The clock then sets the time automatically to 3 hours ahead after receiving the DCF signal or according to the manually set time.

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## Celsius / Fahrenheit

- Press the **DOWN** button (13) to switch between °C and °F for the temperature display.

### 6.3 Alarm

Alarm mode **AL** is displayed between the hours and minutes of the time display.

- Press the **ALARM** button (8) once to call up alarm mode.
- Press and hold the **ALARM** button (8) for approximately 3 seconds to set the alarm time. The hours display begins to flash.
- Press the **UP** button (12) or the **DOWN** button (13) to select the hour for the alarm time and confirm your selection by pressing the **ALARM** button (8). The minutes display begins to flash.
- Repeat the process to set the minutes for the alarm time.
- If you do not make an entry for approximately 5 seconds, you automatically exit the setting mode.
- Press the **DOWN** button (13) to activate or deactivate the alarm. An active alarm is displayed by the alarm symbol ( ). The alarm symbol goes out when the alarm is deactivated.
- If the alarm is triggered, the alarm symbol ( ) will begin to flash and an alarm will sound.
- Press any button (except the **SNZ/LIGHT** button (10)) to stop the alarm. Otherwise, it will stop automatically after 2 minutes.

### Note – Snooze function

- While the alarm signal is sounding, press the **SNZ/LIGHT** button (10) to activate the snooze function. The alarm symbol ( ) will start to flash on the display. The alarm signal will stop for 5 minutes, after which it will sound again.
- Press any button (except the **SNZ/LIGHT** button) to stop the snooze function and the alarm.

### 6.4 Maximum and minimum temperature and humidity values

The base station automatically stores the maximum and minimum outdoor/indoor temperature and humidity values.

- Repeatedly press the **UP** button (12) to switch the display between the current temperature and humidity, maximum temperature and humidity (MAX) and minimum temperature and humidity (MIN).

### 6.5 Backlight

- Press the **SNZ/LIGHT** button (10) to light up the display for approximately 5 seconds.

## 7. Care and Maintenance

- Only clean this product with a slightly damp, lint-free cloth and do not use aggressive cleaning agents.
- Make sure that water does not get into the product.

## 8. Warranty Disclaimer

Hama GmbH & Co KG assumes no liability and provides no warranty for damage resulting from improper installation/mounting, improper use of the product or from failure to observe the operating instructions and/or safety notes.

## 9. Service and Support

Please contact Hama Product Consulting if you have any questions about this product.


Hotline: +49 9091 502-115 (German/English)

Further support information can be found here:

[www.hama.com](http://www.hama.com)



## 10. Technical Data

	Base station	Measuring station
Power supply	4.5 V 3x AAA batteries	3.0 V 2x AA batteries We recommend using AA lithium batteries for the outdoor sensors when outdoor temperatures are below 0°C/32°F.
Measuring range: Temperature Humidity	0°C - +50°C / 32°F - +122°F 10 - 99%	-40°C - +70°C / -40°F - +158°F 20% - 95%
Measurement increments: Temperature Humidity	0.1°C/ 0.2°F 1%	0.1°C/ 0.2°F 1%
Radio-controlled DCF clock	Yes	No
Thermometer	Yes	Yes
Hygrometer	Yes	Yes
Alarm function	Yes	No
Max. number of measuring stations	3	
Range	≤ 30m	

## 11. Recycling Information

### Note on environmental protection:



After the implementation of the European Directive 2012/19/EU and 2006/66/EU in the national legal system, the following applies: Electric and electronic devices as well as batteries must not be disposed of with household waste. Consumers are obliged by law to return electrical and electronic devices as well as batteries at the end of their service lives to the public collecting points set up for this purpose or point of sale. Details to this are defined by the national law of the respective country. This symbol on the product, the instruction manual or the package indicates that a product is subject to these regulations. By recycling, reusing the materials or other forms of utilising old devices/batteries, you are making an important contribution to protecting our environment.

## 12. Declaration of Conformity



Hereby, Hama GmbH & Co KG declares that the radio equipment type [00136293] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.hama.com](http://www.hama.com) -> 00136293 -> Downloads.

Frequency band(s)

433 MHz

Maximum radio-frequency power transmitted

9,419 mW

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