



### Environmental reception effects

The station obtains the accurate time with wireless technology. Same as all wireless devices, the reception is maybe affected by the following circumstances:

- long transmitting distance
- nearby mountains and valleys
- near freeway, railway, airports, high voltage cable etc.
- near construction site
- among tall buildings
- inside concrete buildings
- near electrical appliances (computers, TV's, etc) and metallic structures
- inside moving vehicles

Place the station at a location with optimal signal, i.e. close to a window and away from metal surfaces or electrical appliances.

### Precautions

- This main unit is intended to be used only indoors.
- Do not subject the unit to excessive force or shock.
- Do not expose the unit to extreme temperatures, direct sunlight, dust or humidity.
- Do not immerse in water.
- Avoid contact with any corrosive materials.
- Do not dispose this unit in a fire as it may explode.
- Do not open the inner back case or tamper with any components of this unit.

### Batteries safety warnings

- Use only alkaline batteries, not rechargeable batteries.
- Install batteries correctly by matching the polarities (+/-).
- Always replace a complete set of batteries.
- Never mix used and new batteries.
- Remove exhausted batteries immediately.
- Remove batteries when not in use.
- Do not recharge and do not dispose of batteries in fire as the batteries may explode.
- Ensure batteries are stored away from metal objects as contact may cause a short circuit.
- Avoid exposing batteries to extreme temperature or humidity or direct sunlight.
- Keep all batteries out of reach from children. They are a choking hazard.

Use the product only for its intended purpose!

**Consideration of duty according to the battery law**



Old batteries do not belong to domestic waste because they could cause damages of health and environment. You can return used batteries free of charge to your dealer and collection points. As end-user you are committed by law to bring back needed batteries to distributors and other collecting points!

**Consideration of duty according to the law of electrical devices**



This symbol means that you must dispose of electrical devices separated from the General household waste when it reaches the end of its useful life. Take your unit to your local waste collection point or recycling centre. This applies to all countries of the European Union, and to other European countries with a separate waste collection system.

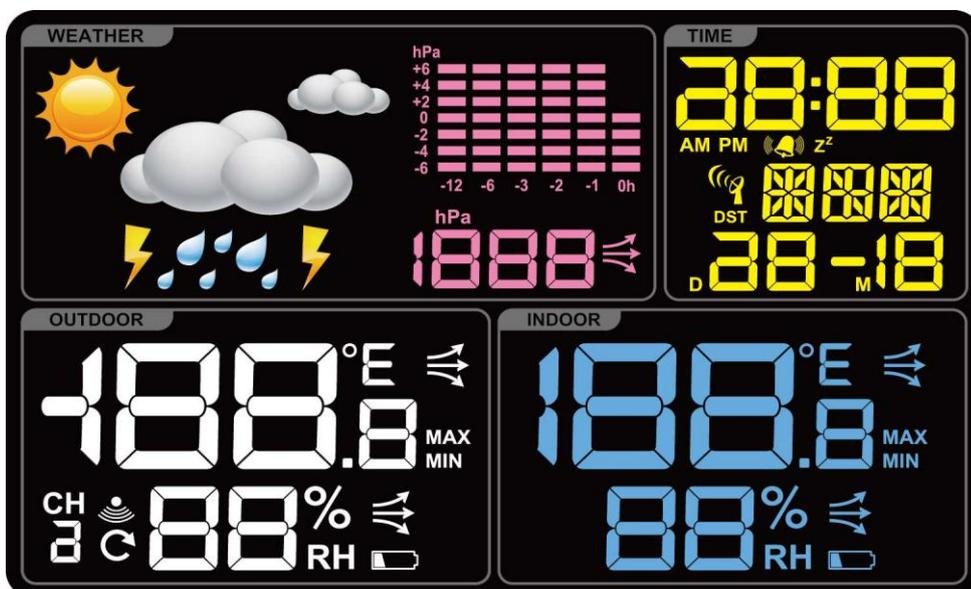
**Features:**

- Calendar (Date/month,2000-2099 Default Year 2016)
- Indoor Temperature and Humidity
- Outdoor Temperature and Humidity
- 12/24 h time format selectable
- Alarm and snooze function
- Low battery icon
- Weather forecast: sunny, partly sunny, cloudy, rainy and stormy
- Maximum and minimum temperature/humidity
- Seven languages for week (GER, ITA, DUT, SPA, DAN, ENG, FRA)
- Time zone: -12/+12HR
- DCF Radio clock receiver function
- White backlight

**Batteries:**

Receiver : 2x AAA (only for back-up) / TX960-TH sensor: 2x AAA

**LCD Display:**



## Quick setup

1. Keep your weather station and wireless outdoor transmitter next to each other.
2. Make sure the Channel selector switch on sensor is at 1 position.
3. Open the battery cover at the back of your wireless outdoor transmitter and insert 2 x AAA new alkaline batteries to the battery compartment. Replace the battery cover.
4. Connect the included power supply with the socket on the backside of the weather station or alternatively you can use batteries: Open the battery cover at the back of your weather station and insert 2x AAA new alkaline batteries to the battery compartment. Replace the battery cover. Please note, without adapter and only batteries the backlight is always set off and you need to press the **"SNOOZE/LIGHT"** button to turn on backlight for 10 seconds.
5. Make sure Channel 1 is displayed on the weather station. Your weather station will receive data signal from the outdoor transmitter in a few seconds.
6. Place your outdoor transmitter in a dry and shaded area once the weather station receives the data of this sensor.

## Power On:

1. Display full segment for 2 second.
2. The weather station searching starts wireless sensor via 433MHz.
3. If the outdoor temperature is not displayed after 3 minutes, hold the **"CH"** button on the main unit to search for outdoor sensor. Then press the **"TX"** button on the sensor to send signal. If it still does not receive the outdoor temperature, remove the batteries from the transmitter and go back to step 1 of the set up

## Sensor Reception

- Press and hold the **CH/+** button for 3 seconds while viewing an empty channel to search for the sensor.
- The strength signal icon will flash until the sensor signal is received or for 3 minutes if no signal available.

## Adding additional sensors

1. Make sure Channel 2 or 3 is displayed on the weather station. Press the **"CH"** button to change channels on the weather station.
2. Make sure the Channel selector switch on the sensor is at 2 or 3 position
3. Once the Channel numbers on weather station and sensor are the same, proceed by opening the battery cover at the back of your wireless sensor and insert 2 x AAA new alkaline batteries to the battery compartment. Replace the battery cover.
4. Your weather station will receive the data signal from the outdoor transmitter in a few seconds.
5. Place your outdoor transmitter in a dry and shaded area once the weather station receives the data of this sensor.

## Note:

- If the weather station is used with 2 or 3 transmitters, press **"CH"** button shortly to display Channel 1, Channel 2, Channel 3 or cyclic display.
- In cyclic display, the channel will be changed every 25 seconds in overview all channels in a short period of time

## Deleting sensors / clearing channels

- Press and hold the **"CH"** button for 3 seconds to clear the current channel to re-register

**Display / Keys Details:**

There are six function buttons:



**DCF Reception icon** with full signal strength will appear on screen if the reception of atomic time is successful.

- In normal display mode, press this **“-/RCC”** button to start/stop time searching (DCF).
- The tower icon will show solid when the station has received the DCF signal.
- No tower icon displayed. The station was unable to receive a signal at this time.

Reposition the station for better signal reception and wait an overnight.

automatically receive Hours: Daily 1:00,2:00,3:00,4:00,5:00 DCF automatically receive, at any time once received 3,4,5:00 no longer receive the same day

Only if the unit receives summer time, it will display the “DST” icon.

- If there is no signal or too much interference the receiver will only be on for 2 minutes.
- If the signal is good it may catch a signal in ABOUT 2-3 minutes.
- If the signal is marginal it will try to catch a signal for up to 10 minutes.

**Manual Time Setting:**

1. Press and hold the **“SET”** button for 3 seconds in normal display mode to enter time setting mode.
2. 12Hr or 24Hr will flash. Press the **“+”** or **“-”** button to select between the 12-hour or 24-hour time format. Press the **“SET”** button to confirm and continue.
3. The time zone will flash on the display. Press the **“+”** or **“-”** button to set the desired time zone( setting range is 0~ +12,0~ -12). Press the **“SET”** button to confirm and continue.
4. The hour will flash. Press the **“+”** or **“-”** button to select the hour. Press the **“SET”** button to confirm and continue.
5. The minutes will flash. Press the **“+”** or **“-”** button to select the minutes. Press the **“SET”** button to confirm and continue.
6. The year will flash. Press the **“+”** or **“-”** button to select the year. Press the **“SET”** button to confirm and continue.
7. The month will flash. Press the **“+”** or **“-”** button to select the month. Press the **“SET”** button to confirm and continue.
8. The date will flash. Press the **“+”** or **“-”** button to select the date. Press the **“SET”** button to confirm and continue. The day of the week will set automatically after YEAR, MONTH, DATE.
9. The language will flash, the default is GER. Press the **“+”** or **“-”** button to select the desire language: GER, FRE, ITA, DUT, SPA, DAN, ENG. Press the **“SET”** button to confirm and continue.

	ENGLISH	GERMAN	FRENCH	ITALIAN	DUTCH	SPANISH	DANISH
WEEK	ENG	GER	FRE	ITA	DUT	SPA	DAN
MON	MON	MON	LUN	LUN	MAA	LUN	MAN
TUE	TUE	DIE	MAR	MAR	DIN	MAR	TIR
WED	WED	MIT	MER	MER	WOE	MIE	ONS
THU	THU	DON	JEU	GIO	DON	JUE	TOR
FRI	FRI	FRE	V'EN	V'EN	V'RI	V'IE	FRE
SAT	SAT	SAM	SAM	SAB	ZAT	SAB	LOR
SUN	SUN	SON	DIM	DOM	ZON	DOM	SON

- The value of air pressure will flash. Press the “+” or “-“ button to enter the relative value of air pressure. The relative air pressure can be requested from a local meteorological service. Press the “SET” button to confirm and return to the normal display mode.

**Note:**

- If no buttons are pressed in a 20 seconds period, time setting mode will time out and return to normal display mode, reflecting whatever adjustments were made by user before timed out
- +/- buttons: Press once to adjust by 1 unit, hold for fast scroll adjustment

**Activating and deactivating the alarm**

- Press the “ALARM” button once to enter the alarm mode and “ALM” will be shown on the display.
- Press the “+” or “-“ button to activate or deactivate the alarm. The alarm icon  will be displayed permanently as long as the alarm is activated and the alarm icon will no longer be displayed as soon as the alarm is deactivated.
- Press the “ALARM” button once again to confirm and return to the normal display mode. “ALM” will no longer be shown on the display.

**Alarm setting**

- Press and hold the “ALARM” button for 3 seconds in normal display mode to enter alarm setting mode.
- The alarm hour will flash. Press the “+” or “-“ button to select the alarm hour. Press the “ALARM” button to confirm and continue.
- The alarm minutes will flash. Press the “+” or “-“ button to select the alarm minute. Press the “ALARM” button to confirm and return to the normal display mode.

**Note:**

- If no buttons are pressed in a 20 seconds period, alarm setting mode will time out and return to live display mode, reflecting whatever adjustments were made by user before timed out
- +/- buttons: Press once to adjust by 1 unit, hold for fast scroll adjustment
- When the alarm sounds, it continues for 2 minute and then shuts off completely.

**Snooze function**

1. Press “**SNOOZE/LIGHT**” button and the white backlights activates for 10 seconds.
2. When alarm sounds, press the “**SNOOZE/LIGHT**” button to trigger snooze for 10 minutes. The alarm icon flashes when the snooze feature is active.

**Note:**

- To stop alarm for one day, press any button but “**SNOOZE/LIGHT**” button, while in snooze mode. The alarm icon will stop flashing.

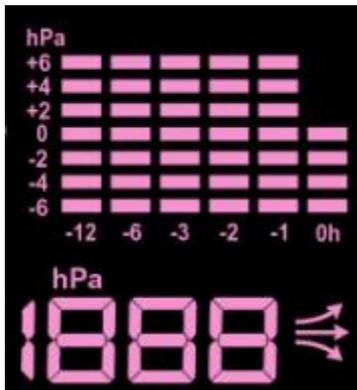
**Backlight function**

- With adapter, the display will always have backlight on.
- Without adapter, press the “**SNOOZE/LIGHT**” button to turn on backlight for 10 seconds.

**MAX/MIN values:**

- In normal display mode, press the “**MIN/MAX**” button to display maximum temperature/humidity. Press the “**MIN/MAX**” button once more to display minimum temperature/humidity.
- Press and hold the “**MIN/MAX**” button for 3 seconds in the corresponding interface to clear max or min temperature/humidity memory.
- After 5 seconds the display will return back to the normal display mode.
- The MIN/MAX values will also be automatically cleared at every midnight (0:00).

**Barometer and bar and data of history for the past 12 hour of air pressure**



- Air pressure history can be displayed in hPa , for the past 12 hours
- The bar graph indicates the air pressure history trend over the last 12 hours in 6 intervals: 0h, -1h, -2h, -3h, -6h, and -12h. The “0h” represents the current full hour air pressure recording. The columns represent the “hPa” (0, ±2, ±4, ±6) at a specific time. The “0” in the middle of this scale is equal to the current pressure and each change (±2, ±4, ±6 ) represents how high or low in “hPa“ the past pressure was compared to the current pressure.
- For accurate barometric pressure trends, the weather station should operate at the same altitude for recordings (i.e. it should not be moved from the ground to the second floor of the house). When the unit is moved to a new location, discard readings for the next 12 hours.

**Weather forecast**

5 Weather forecast symbols can be displayed: sunny, partly sunny, cloudy, rainy, stormy



**Note:**

- The weather forecast is determined by temperature, humidity and air pressure. The forecast symbol may not match with the current weather.

**Changing temperature unit**

- Press the “°C/°F” button to choose temperature unit from °C or °F.

### Low battery indicator

The weather station displays the low battery condition symbol to remind that the batteries of the weather station or the outdoor sensor need to be exchanged.

- Battery icon by indoor temperature-Change batteries in the clock.
- Battery icon by outdoor temperature-Change batteries in the sensor.

## Specifications

### Indoor temperature:

- Operating temperature range = -9.9°C to 50°C (14°F to 122°F)
- Accuracy  $\pm 1$  degrees Celsius 0°C to 50°C (32°F to 122°F)
- Resolution = 0.1 degree Celsius
- When above 50°C (122°F), the LCD will display HI
- When below -9.9°C (14°F) the LCD will display LO

### Indoor Humidity:

- Operating humidity range = 20% RH to 95%
- Accuracy  $\pm 5\%$  RH
- Resolution = 1 % RH

### Outdoor temperature:

- Operating temperature range = -40°C to 60°C (-40°F to 140°F)
- Accuracy  $\pm 1$  degrees Celsius from 0°C to 50°C (32°F to 122°F)
- Accuracy  $\pm 1.5$  degrees Celsius -40°C to 0°C (-40°F to 32°F) and 50°C to 60°C (122°F to 140°F)
- Resolution = 0.1 degree Celsius
- When above 60°C (140°F), the LCD will display HI
- When below -40°C (-40°F), the LCD will display LO

### Outdoor Humidity:

- Operating humidity range = 20% RH to 95%
- Accuracy  $\pm 5\%$  RH
- Resolution = 1 % RH

### Default SETTING:

- Time: 00:00
- Temperature: °C
- Weather Forecast Icons: partly sunny
- German week display