BLAUPUNKT WS20WH,WS20BK Multi Functional Weather Station Owner's Manual
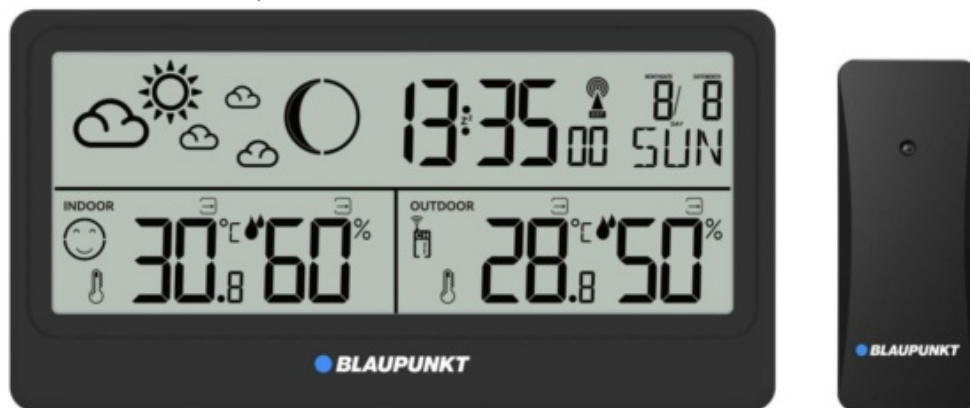
BLAUPUNKT WS20WH,WS20BK Multi Functional Weather Station Owner's Manual

Important Notes

Important Notes

- safety and operating instruction should be retained for future reference.
- The apparatus should not be exposed to dripping or splashing or placed in a humid atmosphere such as a bathroom.
- Do not install the product in the following areas:
- Places exposed to direct sunlight or close to radiators.
- On top of other stereo equipment that radiate too much heat.
- Blocking ventilation or in a dusty area.
- Areas where there is constant vibration.
- Humid or moist places.
- Do not place near candles or other naked flames.
- Operate the product only as instructed in this manual.
- Before turning on the power for the first time, make sure the power adaptor is properly connected.

For safety reasons, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personnel.
Do not attempt to remove any screws, or open the casing of the unit; there are no user serviceable parts inside. Refer all servicing to qualified service personnel.

SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions must be read before the product is operated.

2. Retain Instructions – The safety and operating instructions should be kept with the product for future reference.

3. Heed warnings – All warnings on the product and in the operating instructions should be adhered to.

4. Follow instructions – All operating and users' instructions should be followed.

5. Installation – Install in accordance with the manufacturer's instructions.

6. Power sources – This product should be operated only from the type of power source indicated by the marking adjacent to the power cord entry. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

7. Water and moisture – To reduce the risk of fire or electric shock, do not expose the product to train, dripping, splashing or excessive moisture such as in a sauna or bathroom. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool (or similar).

8. Object and Liquid Entry – Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-circuit parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. Do not place any object containing liquid on top of the product.

9. Servicing – Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

10. Replacement parts – When replacement parts are required, ensure that the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

11. The highest environmental temperature suitable for this product is 35°C.

12. ESD hints – If the product maybe reset or not reset to operation of control due to electrostatic discharge, just switch off and reconnect again, or move the product to another location.

13. Battery

   a. The batteries must not be exposed to excessive heat such as sunshine, fire or the like.
   b. The batteries should be drawn to the environmental aspects of battery disposal.
   c. Battery usage CAUTION-to prevent battery leakage which may result in body injuries, property damage, or damage to the apparatus:

   ○ Install all batteries correctly, + and – as marked on the apparatus.
   ○ Do not mix batteries (old and new or carbon and alkaline, etc.)
   ○ Remove batteries when the unit is not used for a long time.

ERP2 (Energy Related Products) note
This product with eco-design complies with the stage 2 requirements of Commission Regulation (EC) NO. 1275/2008 implementing Directive 2009/125/EC regard to standby and off mode electric power consumption of electronic household and office equipment.

WARNING

This appliance is not intended for use by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

1. Never use the device unsupervised! Switch off the device whenever you are not using it, even if this only for a short while.
2. The appliance is not intended to be operated by means of an external timer or separate remote control system.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. Before operating this system, check the voltage of this system to see if it is identical to the voltage of your local power supply.
5. To prevent fire or shock hazard, do not expose this equipment to hot places, rain, moisture or dust.
6. Do not place this unit close to a strong magnetic field.
7. Do not place the unit on a amplifier or receiver.
8. Do not place this unit in a damp area as the moisture will affect the life of electric components.
9. If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the player. If this occurs, the system will not operate properly. Please leave the system turned on for about an hour until the moisture evaporates.
10. Do not attempt to clean the unit with chemical solvents as this might damage the finish.
    Wipe with a clean, dry or slightly damp cloth.

NOTICE

Your products is designed a manufactured with high quality materials and components, which can be recycled and reused.

If there is a crossed-out bin symbol on your device, it means that the product is covered by the provisions of European Directive 2012/19/EU. Based on this, please follow local regulations and familiarize yourself with the requirements for your local electrical and electronic waste collection system and, in the case of this product, comply with them.

DO NOT DISPOSAL THIS PRODUCT WITH YOUR HOUSEHOLD WASTE!

THIS PRODUCT CONTAINS HAZARDOUS SUBSTANCES, MIXTURES AND COMPONENTS WHICH, IF UNAUTHORIZED, CAN BE A SOURCE OF POTENTIAL EFFECTS ON THE NATURAL ENVIRONMENT AND HUMAN HEALTH!

Correct disposal of the used product will prevent negative effects on the environment and human health.

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box),polystyrene foam(buffer) and poly ethylene (bags, protective foam sheet). Your system consists of material which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment. Recording and playback of material might require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

Many thanks purchase our model, this weather station product includes below features.
Please read and reference this manual carefully before operate the unit. Please keep the manual for future operation reference.

Features

- Weather forecast.
- Indoor/outdoor temperature.
- Indoor & outdoor humidity.
- In/outdoor maximum & minimum temp. & humidity history memory.
- 12/24 hours clock time, calendar.
- Alarm with snooze function.
- Maximum support and work with 3 outdoor wireless transmitters in different channel (only one transmitter included).
- Outdoor low and high temperature alert.
- Freezing point indicator.
- Circumstance comfortable level indicator.
- 12 levels of moon phase.
- 3 levels of mold risk warning display.

Display & controls
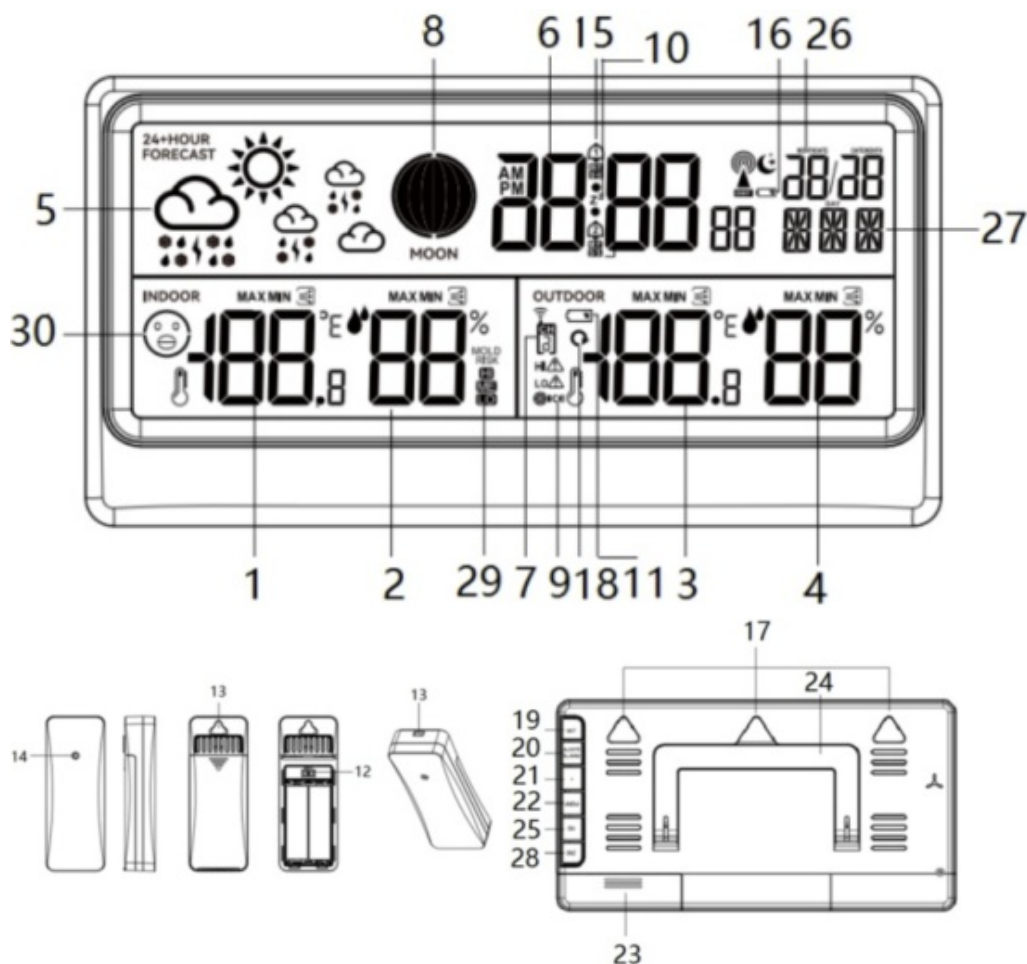
1. Indoor temperature/trend 2. Indoor humidity/trend 3. Outdoor temperature/trend

2. Outdoor humidity/trend 5. Animated weather forecast 6. Clock time

3. Wireless transmitter channel 8. Moon phase 9. Frost icon 10.Snooze icon

4. Low battery power icon for wireless transmitter 12. Channel selector

5. Rope and hook hole 14. Sensor 15. Alarm icon 16. Low battery power icon for main unit

6. Wall-mount hook hole 18. Cycling icon to show the data between channel 1~3 repeatedly

7. Set button 20. Alert/alarm button 21. + button 22. – /memory button

8. Battery compartment 24. Foldable stand 25. Channel button 26. calendar

9. Weekday 28. Snooze button 29. Mold risk warning 30. comfort level

Power setting
Push and open up the battery compartment door from rear panel, and insert 3pcs x AA batteries(included) according to the engraved positive and negative polarity. The display will light up, then close the battery door. Open the battery compartment cover of outdoor wireless transmitter, insert 2 x AA batteries to the compartment according to the correct polarity showed in the compartment. (Batteries are included) We recommend use high quality alkaline or lithium batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended.

Receive signal from outdoor wireless transmitter
The main unit can detect and receive the outdoor temperature and humidity wireless signal from transmitter automatically after power setting ready. There will take 3 minutes maximum for signal searching. The wireless symbol(nearby channel on display) 📶 will flash on display during searching, and becomes stable after get the signal. The wireless symbol will be disappeared after 3 minutes if there is no available signal be received. And outdoor temperature and humidity data will show " – – " on display. In case you need reconnect the wireless signal, please press and hold the channel button 3 seconds.

Placement and important notes:

1. The main unit are able to work and connect with 3 outdoor wireless transmitters maximum.

   Open up the battery door of outdoor wireless transmitter can see and adjust the channel(include 3 channels). it requires to set up at same channel with main unit for signal receiving. For example, you select channel 1 at wireless transmitter, then the channel display of main unit should show CH1 for connection. Press the channel button on rear panel of main

   unit can adjust the channel number and check the outdoor data between CH1-3 on display.

   Press the channel button repeatedly till cycling icon(nearby channel number) appears to show the temperature and humidity data on display recycle between wireless transmitter 1/2/3 .You can take the same mothed to connect other wireless transmitter, but please set it in different channels. Only one wireless transmitter includes in the package.

2. please use and put main unit or transmitter device 1.5~2 meters away from interference source like computer monitors or TV sets. Please also place the main unit stand up far away with metal window frames.

3. Please do not use other electronic products such as headphones or speakers operating at the same signal frequency (433.92MHz), which may cause interference. Your neighbors use electronic devices operating on the same signal frequency (433.92MHz) can also cause interference.

4. To ensure accurate temperature measurement, place the device in a dry area, free of dirt and dust. Place out of direct sunlight and away from heat sources or vents.

5. You can install the wireless transmitter outdoor. For better accuracy of using, please place the sensor lengthwise/ standing up 1.5~2 meters at least away from the ground with enough air flowing and protection without rainy. Please do not expose the sensor to direct sunlight for a long time.

6. The maximum working distance of wireless transmitter is 80 meters away from main unit.

7. The wireless signal from transmitter will refresh in every 114(channel 1)/134(channel2)/158(channel3) seconds in recycle.

Settings
Press and hold set button 3 seconds and get the 12/24hours format text flash on display, press + or – button to choose the 12/24hours format, press set button to confirm and skip to clock time hour setting, which is same operation as 12/24hours format 's setting; repeat and finish rest setting for minute / month day format/ year/month/date/weekday in 15 language options(ENG=English, GER=Germany, FRE=French, SPA=Spanish, ITA=Italian, DUT=Dutch ,DAN=Danish, POR=Portuguese, NOR=Norwegian, SWE=Swedish , POL=Polish ,FIN=Finnish, CZE=Czech, HUN=Hungarian, RUS=Russian)/weather manual setting .(Press and hold + or – button can accelerate the adjustment; there will auto save and exit current setting if there is no further operation last for over 20 seconds)
**Alarm/Snooze/ temperature alert**
Setting: Short press the alarm/alert button repeatedly enter to preview mode, and check the alarm1/alarm2/high temperature alert/low temperature alert setting. In preview mode, short press + button to turn on or off alarm1/alarm2/alert temperature in high/low function. Press and hold 3seconds alarm button can activate alarm setting mode, press + or -button to adjust the hour digits, press alarm button to confirm and skip to minute setting which is same operation as hour's setup; Short press alarm button skip to alarm wake up mode by daily (M-S, Monday to Sunday)/weekend (S-S, Saturday to Sunday)/working day(M-F, Monday to Friday), press + and – to select the options; Short press alarm button again skip to snooze setting(snooze time range: 5-60 minutes and off), using the same mothed to finish the rest setting for ALARM2/high temperature alert/low temperature alert. Press and hold + or – button can accelerate the adjustment; there will auto save and exit current setting if there is no further operation lasts for over 20 seconds. The relevant alarm bell or temperature alert icon will show on display after setup and turn on function successfully.
In temperature alert setting mode, short press channel button can switch the relevant wireless transmitter; and make the temperature alert setting for the displayed wireless transmitter accordingly.
Snooze: When the alarm is ring up due to the setting time is being, press any button (except snooze button) to

cancel the alarming voice, and it will wake up again at same time in coming of next day. Short press snooze button to activate snooze function, which will wake up again after snooze setting time. Press any other button (except snooze) can cancel the snooze.

The buzz alarm voice will last for 2 minute if there is no further operation.

Outdoor temperature alert: When the high temperature alert is turned on and the detected temperature exceeds the high limit, the beep sound will tone three times, and at the same time the symbol " **HI**⚠ " on the corresponding channel will flash. After the temperature data updating, if it still exceeds its limit, another beep sound will be issued. And it is same when the unit detect exceed the low temperature alert limit, but show the symbol " **LO**⚠ ". Press any button to cancel the beep tone, but the alert symbol will keep flash on display.

Temperature and humidity.

1. **Indoor temperature range:** -9.9 ~+50 ℃

2. **Outdoor temperature range:** -40℃~70℃

   Remarks: LL.L℃ or HH.H℃ will show on display when out of the above range

3. **Indoor and outdoor humidity range:** 20%-95% 20% or 95% will display when out of range

4. **Temperature accuracy:** ±1,0℃ between 0℃~ +50℃/ 32℉~104℉.

   ±2℃ outside this measuring range

5. **Humidity accuracy:** (40-80%) ± 5%, others ±8%

6. Press memory button repeatedly to check maximum and minimum temperature and humidity history data for indoor and outdoor each. In maximum and minimum data interface, press and hold memory button to manually clear the relevant record. (Remarks:

   Historical record will be updated automatically at 00:00 in everyday).

Remark: The temperature and humidity reading will be more accuracy for half an hour after power on. The indoor temperature will display automatically, it will update reading each 30 seconds and start to receive outdoor signal which lasts for max 3 minutes. Short press + button can switch the temperature unit in ℃ or ℉.

Temperature trend

The temperature trend arrow (nearby temperature data) in different directions depending on whether the latest temperature reading is higher or lower than previous readings.

Arrow angled upwards=Temperature rose up 1℃ in the past 1 hour.

Arrow angled downwards=Temperature fell off 1℃ in the past 1 hour.

Humidity trend

The humidity trend arrow in different directions depending on whether the latest humidity reading is higher or lower than previous readings.

Arrow angled upwards=Temperature rose up 5% in the past 1 hour.

Arrow angled downwards=Temperature fell off 5% in the past 1 hour

Weather forecast

The weather icon displays are based on the hourly calculation of indoor/ outdoor temperature and humidity. The forecast is for next 12 hours with 70%-75% accuracy. the main unit will calibrate the weather report in 1-2 weeks base on the temperature and humidity data changes. The wireless transmitter should be placed outside in order to get more accuracy data, and is helping the calculation for weather forecast. The weather forecast will appear in one of following combinations (reference only, total 6 types: Sunny, Partly Cloudy, Cloudy, Rainy, Snowy. The default display weather is partly cloudy,

Weather icon						
Description	Sunny	Partly cloudy	Cloudy	Rainy	Thunder storm	Snowy

Please note that the device forecasts the weather based on limited parameters and may differ from official weather forecasts which are calculated on the basis of advanced algorithms.

Frost indicator

After the outside temperature has fallen between -1~2.9°C , the symbol will flash on display. When the outside temperature has fallen below 0°C, the symbol will show on display in stable. Only when the temperature detection value is out of temperature range, the symbol will disappear.

Note: The frost alert is default as on. It will flash when the display channel is within the frost

alert range. If other wireless transmitter channel reaches the alert point, it will only display when you turn to the relevant channel.

Comfort level indicator

Display					
	Comfortable	Good	Average	poor	bad

Low battery power indicator
About outdoor sensor: When battery indicator shows next to the outdoor temperature, replace batteries in your outdoor sensor.
About battery in Main Unit: When battery indicator shows next to the calendar, replace battery power.
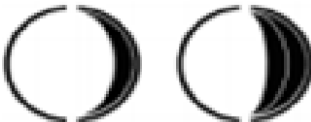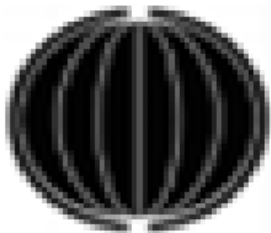
Mold risk warning
There are 3 levels of mold risk warning: LO/ME/HI. When the level of mold risk warning is in LO or ME, the symbol will show on display all the time, and when the level is in HI, the HI symbol will flash.

Temperature range	No Risk	Low Risk	Medium Risk	High Risk
display	no display	LO display	ME display	HI flashes 1 time per second
<11.0℃	Any humidity value			
11.0℃~25.9℃	Humidity≤48	49≤humidity≤78	79≤Humidity	
26.0℃~30.9℃		Humidity=78	79≤Humidity≤87	88≤Humidity
31.0℃~40.9℃		Humidity=48	49≤Humidity≤87	88≤Humidity
≥41.0℃	Any humidity value			

Moon phase

It can show the moon phase level, and divide into 12 levels as below.

New moon	Waxing crescent	First quarter	Waxing gibbous
Full moon	Warning gibbous	Last quarter	Warning crescent

Contents

Trouble shooting

Doesn't display anything.	² Check if the battery power installed into unit properly.
Temperature from outdoor sensor not displayed.	- Check that the distance between the thermometer and sensor doesn't exceed 30m(recommended). - Make sure that the devices are located at least 2m from monitors and TV sets. - Avoid placing the devices on or close to window frames made of metal. - Avoid using electronic devices such as loudspeakers which operate at the same frequency (433.92MHz), close to the devices. - Please double check if the main unit and outdoor wireless transmitter was set up at same channel. - Remove the batteries, wait a while and then reinsert them.
Displayed temperature is incorrect.	- Remove the batteries, wait a while and then re-insert them. - Make sure that the devices are not affected by heat sources or air- conditioning units and such.

Specifications

- Indoor / outdoor temperature display
- Indoor / outdoor humidity display
- Temperature / humidity trend indication
- Comfort indicator
- Frost-point warning indication
- Outdoor temperature alert (adjustable)
- Max/min record of indoor/outdoor temperature & humidity
- Mold risk warning and moon phase
- **LCD display size :** 171×73 mm
- Clock (12/24 hour format) and calendar
- Weekdays in 15 language
- Alarm with snooze function
- Outdoor sensor included (1 pc)
- Support for up to 3 sensors
- Low battery indicator for both indoor and outdoor sensor
- Wall hanger / Table stand
- **Power supply:** battery power(3 x1.5V, AA size, included)
- **Outdoor wireless transmitter power source:** 2 x 1.5 V (AA size, included)
- IP54 (water proof, for wireless transmitter)
- **Wireless transmitter working frequency:** 433.92MHz

- **Power consumption:** 0.135W (main unit), 24 mW (wireless transmitter)
- **Device dimensions:** 215 x 112 x 19 mm
- **Net weight:** 0.23 kg
- **Sensor dimensions:** 38 x 19 x 100 mm
- **Sensor Net weight:** 0.032 kg
- Standby power consumption 18mW

CE

Conformity

Hereby, Blaupunkt Competence Center 2N-Everpol Sp. z oxo., declares that this equipment is in compliance with the essential requirement and other relevant provisions of Directive 2014/53/EU. Declaration of conformity can be obtained from the product page at
www.blaupunkt.com.
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Documents / Resources

	BLAUPUNKT WS20WH,WS20BK Multi Functional Weather Station [pdf] Owner's Manual WS20WH, WS20BK, WS20WH WS20BK Multi Functional Weather Station, WS20WH WS20BK , Multi Functional Weather Station, Functional Weather Station, Weather Station, Station

References

- ● **blaupunkt.com**
- **User Manual**