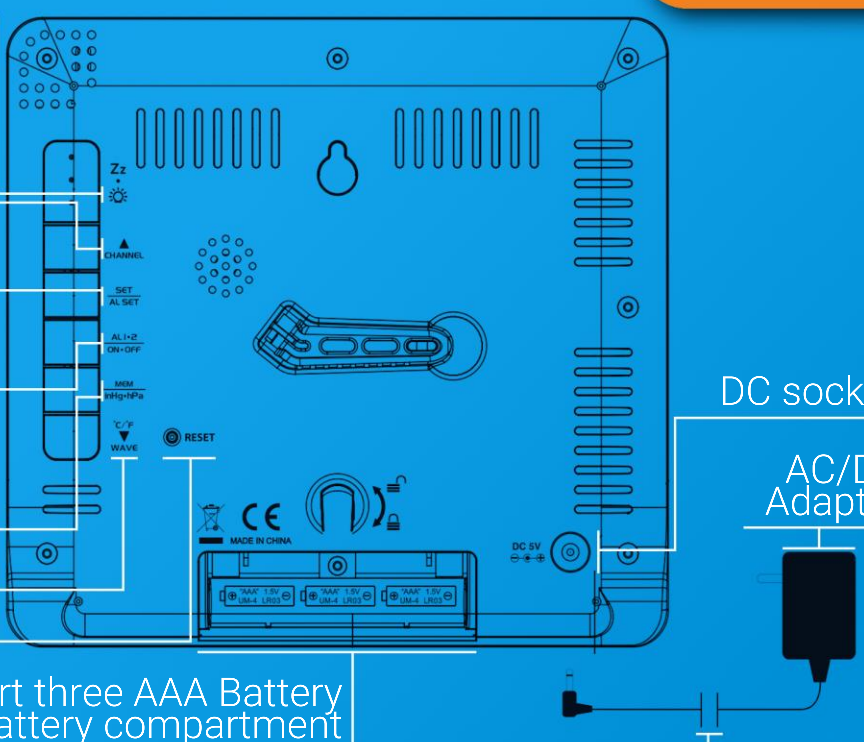
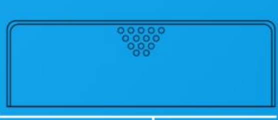
P2 Weather Station User's manual

Thank you for purchasing our mirror. We make all our products with the greatest attention to details. We are one of the leading brands that produce mirrors in Europe, so you can be sure you get the highest quality product. Use your mirror according to its absolute purpose by following the descriptions, conditions and provided information in this manual.

Front

Rear





ALASTA

Feature list

- 4.7” / 120mm (diagonal) display with 1.1” time digits;
- Atomic time / date sets itself using the DCF radio signal;
- Alarm 1 and alarm 2;
- Programmable Snooze;
- Dimmer for nighttime viewing;
- Coloured forecast: Sunny, Partly Cloudy, Cloudy, Rainy, Stormy;
- 12 hour forecast based on changing air pressure;
- Tendency indicator of weather forecast;
- Indoor and outdoor temperature and humidity (RH%);
- Min / Max records of temperature and humidity;
- Month / Date Calendar interchangeable with air pressure readout (inHg);
- Degree °C / °F readout;
- 12 / 24 hour time format;
- 433MHz wireless outdoor transmitter (one transmitter is included);
- Up to 200 feet transmission of outdoor temperature and humidity;
- Auto scrolling of outdoor temperatures and humidity from various transmitters;
- Low battery indicator of outdoor transmitter.

Environmental Reception effects

Your atomic weather station clock obtains the accurate time with wireless technology. Same as all wireless devices, the receiving ability maybe affected by, but not limited to, the following circumstances: (next page)

- Long transmitting distance;
- Nearby mountains and valleys;
- Among tall buildings;
- Near railway, high voltage cable, highway, airport etc.;
- Near construction site;
- Inside concrete buildings;
- Near electrical appliances;
- Neat computers and TV's;
- Inside moving vehicles;
- Near metallic structures.

Place your clock at a location with optimal signal, i.e. close to a window and way from metal surfaces or electrical appliances.

Quick setup

Step 1: Make sure the mirror is connected to the power supply, so that the weather station has electricity.

Step 2: Insert 2 x AAA alkaline batteries to the battery compartment. Make sure the Channel selector is at **1** position. Replace the battery cover.

Make sure if Channel 1 is displayed under the outdoor temperature and humidity. You could press ▲/CHANNEL to select channel 1. Your weather station will receive data signal from the outdoor transmitter in few seconds. Then place your outdoor transmitter in a dry and shaded area.

Attention. Keep in mind that your outdoor transmitter has a 200-meter open air transmission with no obstructions. Actual transmission range will vary depending on what is in the path of the signal. Each obstruction (roof, walls, floors, ceilings, thick trees, etc.) will effectively cut signal range in half.

Insert the holder to the bottom of the outdoor transmitter for desktop or insert it to the back of the transmitter for wall mount purpose.

DCF radio time signal Reception and indication

After your clock receives the outdoor temperature and humidity, it starts to receive the DCF time signal.

Receiving DCF signal	Successful reception	Unsuccessful reception
The icon is flashing	The icon is lit all the time	The icon disappears

Attention: When your clock is receiving radio controlled time signal, all buttons except the snooze / light button do not function.

DCF time signal reception

Your weather station will automatically update itself to the exact time after receipt of the DCF time code. The clock will automatically attempt to receive the DCF signal every night at 1:00 am, 2:00 am and 3:00 am. If it fails until 3:00 am, it will receive on 4:00 am and 5:00 am. After then it will stop receiving until 1:00 am the next day.

To start DCF reception manually, press and hold WAVE/▼ (°C/°F) button for 2 seconds. To stop the reception, press and hold WAVE/▼ (°C/°F) button for 2 seconds.

Setting your units manually

The setting of your unit comes into the sequence of Germany Time Zone, 12/24 hour, hours, minutes, year, month, date, month – date / date – month display and snooze duration.

1. Press and hold SET/AL SET for 2 seconds. Time digits change to „00”. Press ▲/▼ buttons to set **the time zone**.

2. Then press SET/AL SET again. Time digits change to „24h” and flash. Press ▲/▼ buttons to select „12h” time format. When 12h time format is selected, **PM** indicator will be displayed.

3. Then press SET/AL SET once again, „0” the hour digits flash. Press ▲/▼ buttons to set **the hours**. Press and hold these buttons will accelerate your setting faster.

4. Then press SET/AL SET once again, „00” the minute digits flash. Press ▲/▼ buttons to set **the minutes**.

5. Then press SET/AL SET once again, „Yr” and „2013” digits flash. Press ▲/▼ buttons to set **the year**.

6. Then press SET/AL SET once again, month digits flash. Press ▲/▼ buttons to set **the month**.

7. Then press SET/AL SET once again, date digits flash. Press ▲/▼ buttons to set **the date**.

8. Then press SET/AL SET once again, „**m**”, „**d**”, month – date digits flash. Press ▲/▼ buttons to select month – date „**m**” „**d**” or date – month „d”, „m” calendar display.

9. Then press SET/AL SET once again, „**SN**” and „**05**”. Press ▲/▼ buttons to set the snooze duration from 5 minutes to 60 minutes.

10. Press SET/AL SET to return to normal mode, or it will return to normal mode in around 10 seconds if you will not press any other buttons.

Temperature setup

Simply press WAVE/▼ (°C/°F) to display temperature in degree °C or °F.

1. Press SET/AL SET once, time digits change to alarm time digits „6:00" and „A1". Then press and hold SET/AL SET for 2 seconds. The alarm hour digits flash. Press ▲/▼ buttons to set the hours of your desired alarm time.

2. Then press SET/AL SET once again. The alarm minute digits flash. Press ▲/▼ buttons to set the minutes of your desired alarm time.

3. Press SET/AL SET once. Time digits change to alarm time digits „6:00" and „A2" is displayed. Then repeat the above in Alarm 1 setting.

4. Your weather station will return to normal mode in around 10 seconds if you will not press any other buttons.

To turn on or off your daily alarm

Simply press AL1•2 ON•OFF to turn on or off the alarm 1, alarm 2 or alarm 1 & 2. When Alarm 1 is turned on, the appears. When alarm 2 is turned on, the appears.

To use snooze alarm

When time reaches your set alarm time, your weather station will give a beep sound to wake you up. The corresponding or will flash.

1. Press Zz once to stop the alarm temporarily. The corresponding or keeps flashing. The alarm will beep again according to your set snooze duration.
2. When the alarm is sounding, press AL1•2 ON•OFF once. The alarm beep will stop, or will be displayed permanently and the alarm will beep again at the same time everyday.

To use the dimmer

Press Zz button once to adjust the display brightness for nighttime viewing.

Weather forecast

Your weather station has a built-in barometric sensor which measures the change of the air pressure over time. Your weather station takes around 12 hours to gather and average air-pressure readings to provide a weather forecast for next 12 hours.

Sunny

Sunny and cloudy

Rainy

Cloudy

Stormy

Frost alert

Air pressure change indicators

When the arrow appears, the air pressure is increasing. The weather is expected to improve.

When the arrow appears, the air pressure is decreasing. The weather is expected to become worse.

When the arrow appears, the air pressure change is stable.

Our weather station provides next 12 hours weather forecast. It may not match with the current weather condition outside.

Displaying air Pressure readout

Press and hold **MEM/inHg** until the calendar display shows the air pressure readout in hPa. Press and hold **MEM/inHg** again to revert back to calendar display.

To read maximum / minimum in / out temperatures and humidities

Press the **MEM/inHg** to view the maximum indoor / outdoor temperatures and humidities records with „**MAX**" icons appearing on the display. Press again to view the minimum indoor / outdoor temperatures and humidities and the air pressure with „**MIN**" icons appearing on the display.

When the maximums or minimums are displayed, press and hold the **MEM/inHg** to reset both records and it will start to record the maximums and minimums again.

If you lose the outdoor temperature and humidity

When the outdoor temperature and humidity digits show „---", the wireless transmission is either interrupted or lost. Press and hold the ▲/CHANNEL button to start searching for the signal from the outdoor transmitter with the flashing.

If you continue to lose the outdoor temperature and humidity display, which could happen in extreme cold weather, try moving the transmitter to a different location until you have smooth transmission of temperature / humidity data.

How to synchronize your weather Station with another transmitter

1. Press ▲/CHANNEL at the back of your weather station. „2" icon appears under your outdoor temperature and humidity.

2. Press and hold ▲/CHANNEL until the icon blinks. Your weather station is searching for the signal of another outdoor transmitter at Channel 2.

3. Slide open the battery door of your second transmitter. Slide the switch to the middle position marked with 2, then insert two AAA batteries into the battery compartment by observing the correct +/- polarity. Replace the battery cover.

4. The outdoor temperature and humidity of your second transmitter will appear on the LCD together with „2" icon within few seconds. If the data still does not appear, re-insert the batteries onthe second transmitter.

5. To synchronize your weather station with a third outdoor sensor, repeat the same step by choosing „3" on your weather station and select „3" on your third transmitter.

Low battery indication
Of your outdoor transmitter

The icon will appear to indicate the battery level of your outdoor transmitter is getting low. You may need to replace the batteries of your outdoor transmitter with new ones. Extremely cold weather (below -10°C) will also cause low battery voltage. Do not use rechargeable batteries because they do not have the prescribed voltage of 1.5V.

Care and maintenance

1. Do not expose the unit to extreme temperature, water or direct sunlight.
2. Avoid contact with any corrosive materials.
3. Do not subject the unit to excessive force, dust or humidity.
4. Do not open the inner back case or tamper with any components of this unit.
5. Do not plug in any other AC/DC adaptor with incorrect specififcations or voltage.

Problems and Solutions

In case your weather station clock shows irrelevant information or digits, it maybe affected by electrostatic discharge or interferences from other devices. Use a sharp object to press **RESET.** Your unit will be reset to default settings and you need to set the time, calendar and alarm time again.

LCD is blank	1. Press **RESET** on the main unit. 2. Replace fresh batteries in your weather station.
No outdoor temperature and humidity is displayed	1. Press and hold ▲/CHANNEL on the weather station. 2. Press and hold ▲/CHANNEL, then re-insert the batteries on the outdoor transmitter. 3. Make sure the correct channel is selected on your weather station. Default settings is **Channel „1”**. 4. Observe if the low battery icon appears on the left of the outdoor temperature. If yes, replace batteries in outdoor sensor with fresh alkaline batteries. 5. No other interfering sources are being used (such as computer monitors, TV sets, headphones or speakers) in the path of signal from the outdoor sensor. The signal travels in a straight line, an electrical source near that „line” may cause interference.
Temperature, humidity or air pressure is incorrect	1. Press **RESET** on the main unit. 2. Make sure your main unit and the outdoor transmitter is away from sources of heat/cold/direct sunshine

Technical specifications

Temperature range	
Indoor	0°C to +50°C (+32°F to +122°F)
Outdoor	-50°C to +70°C (-58°F to +158°F)

HH.H – The upper limit of the temperature range was exceeded.
LL.L – The lower limit of the temperature range was exceeded.
Accuracy of temperature +/- 1°C

Humidity range	
Indoor / outdoor	20% - 95%
Temperature sensitivity	0,1°C / 0,2 °F
Humidity sensitivity	1% RV
Temperature & humidity	Measure every 30 seconds
Air pressure range	850 hPa to 1 050 hPa
Alarm duration	2 minutes
Snooze duration	5 minutes (settable)
Radio frequency	433 MHz
Transmission range	Up to 50m in open terrain and without electromagnetic interference
Power supply	integrated with mirror’s power supply
Dimensions of the station	80 mm x 90mm (height x width)
Weight of the station	220g (without batteries)
Dimensions of the transmitter	103 x 50 x 32 mm (h x w x l)
Weight of the transmitter	45g (without batteries)
Power supply for the transmitter	Batteries 2x 1,5V type AAA