



5. TROUBLESHOOTING

If you notice a malfunction of your device, always first check the battery please. Always replace the batteries in the display unit and in the remote sensor!

Also please check the following before contacting the customer service of the store where you purchased the device:

Issue	Symptom	Solution
Display unit	Radio controlled clock does not receive signal	Reposition the device. Preferably near a window and leave it there overnight. Perhaps an additional turning of the device by 90° would help.
Display unit/ Remote sensor	Remote sensor is not being received	Replace batteries (in both devices!)
		Check the position of the sensor. Read the details explained below.
		Start sensor search with the SYNC  button (press and hold for 3 seconds). If this is not successful repeat and while the waves above OUT are blinking press and hold SYNC  button for 3 seconds again!

Information regarding transmittal from remote sensor to display unit

- It is very important that you activate the batteries in the remote sensor **BEFORE** activating the batteries in the display unit. As soon as the batteries are inserted in the remote sensor it will begin sending thermo measurement data. The display unit will start receiving data as soon as its batteries are activated.
- Before mounting the sensor at its final position we strongly recommend ensuring the successful communication, which means checking the data on the display unit. To do so place the sensor within a radius of approx. one meter of the display unit. Make sure there are no sources of disturbance in the vicinity of the two devices.
- As soon as the measurement data appears on the display unit you may mount the sensor within the maximum distance of 30m at a position of your choice.

REMARK:

- Before operating the device wait until data from the sensor appears on the display unit!
- The effective receiving radius may be limited by building structures (e.g. reinforced concrete walls), metal surfaces or grates, electronic devices as well as the position of the sensor and/or the receiver.

Placement of the sensor and the display unit

- Place the sensor so that the back or front side is facing the receiver. If possible avoid shields or disturbances in the line of transmission.
- The remote sensor is weatherproof. Avoid direct sunlight, rain, or snow. Preferable are measuring points in the shade, for example under a weather protected roof with good air circulation.
- The remote sensor can be stood or mounted vertically on a wall. To do so please use the provided wall bracket, this should be mounted on the wall with a screw not with a nail.
- Ideally the sensor should be placed 1.25m (4 feet) over the ground respectively grass surface. Stone, asphalt, or tar surfaces can become extremely warm and thus falsify the measurement.
- Heat sources such as a fireplace or heaters of any type must be avoided.
- The display unit must be positioned within the transmitting radius of the sensor and away from the direct influence of heating or cooling apparatus. A distance of at least 1 meter must also be maintained between sensor and display unit and other remote equipment. Remote equipment is, for example, cordless telephones, wireless headphones, baby monitors, mobile phones etc.

6. BATTERY CHANGE

BATTERY CHANGE INDICATOR

The batteries last for about 8-12 months. Depending on the batteries used this time frame may be a bit shorter or longer. A battery icon will appear, to prevent an undesired and unexpected interruption of operation.

- Battery icon in the temperature window

This means that the batteries in the remote sensor need to be replaced

- Battery icon in the clock window

This means that the batteries in the display unit are becoming too weak and must be replaced.

Important:

Use only new batteries and never combine old batteries with new batteries. Observe polarity when inserting batteries!
Please also remember that used batteries do not belong in domestic trash, they should be disposed of at designated collection points. Our environment will appreciate it!

Important note on batteries

- The JKBA-1 is delivered with batteries so that you can immediately put it into operation. These batteries may not last as long as store bought batteries. As soon as you have to replace the batteries in the remote sensor we recommend using alkaline batteries. Especially when outdoor temperatures drop to 0°C (32°F) or below these batteries will ensure a more reliable transmittal. If possible even use lithium batteries.
- Never use rechargeable batteries. The output of rechargeable batteries is often not sufficient for our devices.

7. CARE OF THE DEVICE

- Do not expose the device to extreme temperatures or direct sunlight over longer periods.
- Avoid blows and shocks of any kind to the device.
- For cleaning use a dry soft cloth that you have moistened with water and a very mild cleaning agent. Never use volatile substances such as benzene, thinner, cleansing agents in spray cans etc.
- When the device is not being used store it in a dry area and out of the reach of small children. In such cases it is important to remove the batteries!
- If the device is activated under extreme coldness it may occur that the display becomes illegible. As soon as it is returned to a warm environment the device will function normally again.
- Please keep the Instruction Manual and other documents delivered with the device stored carefully so that you can reference them at a later point if necessary.
- Important: All disposal fees in Switzerland (vRG) as well as in the EU (WEEE) for all Irox devices are covered.

8. SUPPORT

This device is a new development of Irox Development Technology. All information was made and checked by means of a functioning device. It may occur that adjustments and improvements of the device will take place that due to typographical procedures were not able to be listed in this manual. Should you notice deviations which make it difficult for you to operate and use of the device you may at any time download the latest manual onto your PC free of charge at www.irox.com.

9. FUNCTIONS AND TECHNICAL DATA

Display unit

Time

- Absolutely accurate time by receiving the time signal DCF77 from Frankfurt.
- Time format adjustable (12 or 24 hour format)
- Time settings manually or as deviation from DCF77 time

Weather/Climate

- Weather forecast for coming 12 to 24 hours via 8 icons. Plus additional trend indicator.
- Room temperature and relative humidity with min/max storage and 5 level Comfort Zone.
- Outdoor temperature via wireless remote sensor with frost warning.
- Barometric pressure display in hPa or inHG
- Setting of sea level to calculate pressure at sea level
- 24 hour record of pressure development with graphic display (choice of three graphic formats)

Measuring data

Temperature

Measurement range: -5°C to +50°C (23.0°F to 122.0°F), Resolution: 0.1°C / 0.2°F

Relative Humidity

Measurement range: 30% to 80%, Measurement cycle: 10 seconds

Barometer

Measurement range: 750 to 1100m hPa at 25°C (22.15 to 32.49inHG)
Measurement cycle: 20 minutes, Height adjustment range: -200m to +3500 m

Power Supply

4 x AAA batteries (1.5V)

Dimensions

139 x 107 x 15 mm plus table foot

Remote sensor

- Measuring and transmittal of outdoor temperature via 433MHz

Measuring data

Temperature

Measurement range with alkaline batteries: -10°C to + 60°C (14°F to + 140°F)
Resolution: 0.1°C / 0.2°F

Rel. Humidity

Measurement range: 30% to 80%, Measurement cycle: 10 seconds
Radio frequency: 433 MHz, Transmission distance: Max. 30 meter (100 feet)
Transmitting interval: approx. 45 seconds

Power Supply

2 x AAA 1.5V batteries

Dimensions

38 x 105 x 18 mm plus mount

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