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Size	210 x 160 mm (2-sides)
Version Date	Designer Mic
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NEXA®

WEATHER STATION
RADIO WITH WIRELESS IN/OUT THERMOMETER

Model# KR5521A



Operating Instructions
Before connecting, operating, or adjusting this product, please read these instructions completely.

Precautions

Safety

- The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit.
- The AC power plug will fit into the AC wall outlet in one way only. Do not try to force the plug in the outlet if it doesn't fit.
- AC power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Never take hold of the plug or cord if your hand is wet. Grasp only the plug body when connecting or disconnecting the AC power.
- Turn off the power when the unit is not in use. When the unit is not to be used for an extended period of time, disconnect the AC power plug from the wall AC power outlet.
- Do not use this unit near water, including but not limited to a bathtub, washbowl, swimming pool, spa, sinks, and other similar water sources. Damp and extremely humid rooms (such as basements and crawl spaces) should also be avoided.
- The unit should be situated away from heat sources such as radiators, heaters, vents, and other similar heating elements. The unit should be only used indoors and in a room with operational temperature between 41°F and 86°F (5°C and 30°C).
- The unit should be situated in a location that allows for good ventilation. A minimum of 4" (10cm) clearance on all sides from any foreign object is recommended.
- The radio should be set to the lowest possible volume to avoid any damage to your hearing. The radio should not be at high volume for an extended period of time. Turn off the radio and seek medical attention if you are experiencing any hearing pain. Seek professional advice if you are unsure what a safe hearing level is.
- Care should be taken so that objects do not fall into and liquids are not spilled onto the unit. Do not subject this unit to excessive smoke, dust, vibrations, extreme temperature and humidity, or shock.
- The unit should be situated away from equipment or devices that generate strong magnetism.
- The unit shall be placed on a flat level surface only. The unit is not designed to be wall mounted, ceiling mounted, or any other mounting methods not described herein.
- Clean the unit with a soft dry cloth. Do not use any type of abrasive pad, scouring powder, cleaning solvents, or any other liquids.
- The unit shall be serviced by qualified service personnel when:
 - The AC power supply cord, the plug, the AC adapter, or any other part of the AC power supply has been damaged; or
 - Objects have fallen into or liquid has been spilled onto the unit; or
 - The unit has been exposed to rain or moisture; or
 - The unit does not appear to be operated normally or exhibits a marked change in performance; or
 - The unit has been dropped or if the enclosure has been damaged.
- Users should not attempt to service the unit beyond that described in this operating instructions. All other servicing should be referred to qualified service personnel. Do not remove any screws unless instructed. Do not attempt to repair this unit.
- Do not dispose this unit in a fire.
- Keep unit away from young children. The unit or parts of the unit might be a choking hazard.
- Dispose the unit according to local, state, and federal regulations.
- Recycle when possible.

Battery Safety Notes

- Please read all instructions carefully before use.
- Install batteries correctly by matching the polarities (+/-).
- Always replace exhausted batteries with a complete set of batteries.
- Never mix used and new batteries.
- Remove exhausted batteries immediately.
- Remove batteries when not in use.
- Do not recharge non-rechargeable batteries.
- 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 temperature or humidity extremes or direct sunlight.
- Keep all batteries out of reach from children. They are a choking hazard.
- Please retain battery packaging for future reference.

Functional Overview

- Weather station with indoor and outdoor temperature and humidity display
- AM / FM radio
- LCD-screen backlight
- Alarm clock with snooze

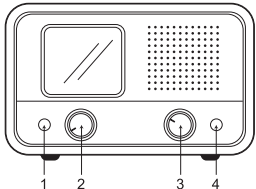


Fig. 1 Front view

- "AM/FM" button
- "VOLUME" dial
- "TUNING" dial
- "MODE" button
- Antenna
- "SNOOZE/LIGHT" button
- "AL ON/OFF / SET" button
- "MAX/MIN" button

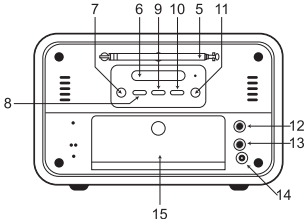


Fig. 2 Back view

- "IN/CH" button
- "+/C/F" button
- "-" button
- Line-in jack
- AC in jack
- Battery compartment

Getting Started

This unit is equipped with back-up dry cell batteries to keep the clock and alarm time during a power interruption. For best results, use AC adapter and batteries at the same time.

- Install or replace with 5 x "AAA" size batteries in the battery compartment (15).
- Plug the AC adapter into the AC in jack (14).

LCD Screen Backlight

- LCD backlight turns on when AC adapter is plugged in.
- When AC adapter is unplugged, press "SNOOZE/LIGHT" button (6) to turn on LCD screen backlight for approximately 10 seconds.

Weather Station Operation

Setting Up the Weather Station

The weather station will sound once batteries are installed or AC adapter is plugged in.

- Press "+ / C / F" button (10) or "- / F" button (11) to change the current weather of your location. See Figure 3 for the weather pattern that resembles your immediate area.
- Press "AL ON/OFF / SET" button (7) to confirm.

Interpreting the Weather Forecast Symbols

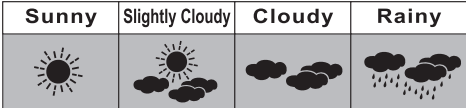


Figure 3.

The weather station requires at least 24 hours to acclimatize to local weather conditions. The weather station will process and analyze the weather patterns in the past 24 hours to predict future weather. Before the 24-hour period has ended, the predicted weather forecast may not accurately reflect the actual weather for your immediate area.

The weather station will display symbols (see Figure 3) to indicate the predicted weather forecast for the next 12 to 24 hours for an area within a radius of approximately 16-30 miles (30-50 km).

Note:

- Weather forecast accuracy may be reduced in extreme weather conditions. The weather forecast is for reference only and for domestic use only. Do NOT rely on the weather station for the weather forecast for the following (including but not limited to): personal health, life or death situations, business or financial decisions, agricultural planning.
- The weather forecast does not display the current weather. It displays predicted future weather.

Barometer

The unit takes approximately 24 hours to process and analyze the recorded barometric pressure data. Before the 24-hour period has ended, the pressure trend and weather forecasts may not reflect the actual weather forecast for your area.

Configuring the Remote Temperature Sensors

This weather station is equipped to synchronize up to three remote temperature sensors. One remote temperature sensor is included. Contact your local authorized dealer to purchase additional remote temperature sensors.

Remote Temperature Sensors

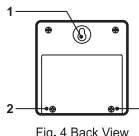


Fig. 4 Back View

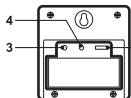


Fig. 5 Back view - open

- RTS 1. Mounting hole
RTS 2. Battery compartment screws
RTS 3. "TX" button
RTS 4. "RESET" button
RTS 5. "Channel 1 2 3" switch

Installing Batteries

- Open the battery compartment on the back of the unit by removing the two small screws (RTS 2) with a Phillips-head screwdriver. (see Figure 4)
- Install or replace with 2 x "AAA" size batteries in the compartment. Use only alkaline batteries. Do not use rechargeable batteries.
- The weather station is capable of receiving up to three different channels. Select the channel number (1, 2, or 3) by sliding the "Channel 1 2 3" switch (RTS 5). If you have only one remote temperature sensor, select 1.
- Press the "RESET" button (RTS 4) once and the red light will flash once.
- Replace the battery compartment on the back of the unit by tightening the two screws (RTS 2).

Installing Remote Temperature Sensors

- Place the remote temperature sensor at a desired place by mounting the unit's mounting hole (RTS 1) on a screw (screw not included). Alternatively, you can place the unit on a flat horizontal surface.
- The unit is weatherproof and can be placed indoors or outdoors. Do not submerge unit in water. Do not expose unit to water for prolonged periods. Avoid accumulation of water and/or snow on unit. Avoid exposing unit to direct sunlight. Remove unit from the exterior in extreme or harsh weather, including but not limited to hurricane, typhoon, and cyclones seasons. Do not place the unit in area of high winds.
- Do not place the remote temperature sensor more than 98 feet (30 meters) from the receiving weather station. The remote temperature sensor is most effective if there are no obstructions or interference between the remote temperature sensor and the weather station. You may have to move remote temperature sensor closer if the weather station does not receive any signals.

Configuring the Weather Station to Receive Remote Temperature Signals

- Follow the above instructions to set up remote temperature sensor.
- Press "IN / CH" button (9) on the weather station for three seconds. "T" will flash. This will reset all temperature memories.
- The weather station will begin scanning for signals for channel 1. As soon as signals are received for channel 1, the temperature will be displayed. The weather station automatically scans for the other channels. It will scan each channel for approximately three seconds before skipping to the next channel.
- Once all your channels are received, press "IN / CH" button (9) once to confirm the channel. "C" will no longer be displayed.
- The weather station will automatically receive a new signal every 30 seconds to update the remote temperature.
- Press "IN / CH" button (9) on the weather station repeatedly to toggle between indoor temperature and humidity, channel 1, channel 2, and channel 3.
- "T" will be displayed if any of the remote temperature sensor's batteries need to be replaced.

Temperature and Humidity Display

- Press "IN/CH" button (9) to change the display of indoor and outdoor (channel 1, 2, and 3) temperature and humidity. IN for indoor, OUT for outdoor, CH 1, CH2, and CH 3 for channel 1, 2, and 3, if available.
- Press and hold "IN/CH" button (9) for approximately three seconds to synchronize remote temperature sensors.

Temperature and Humidity History

- Press "MAX/MIN" button (8) to change among current indoor temperature and humidity, maximum recorded temperature and humidity, and minimum temperature and humidity.
- Press "IN/CH" button (9) and then press "MAX/MIN" button (8) to see recorded temperature and humidity of outdoor sensors, channel 1, 2, or 3, if available.
- "MAX" will be shown for maximum recorded temperature and humidity. "MIN" will be shown for minimum recorded temperature and humidity.
- Press and hold "MAX/MIN" button (8) for two seconds to erase the recorded indoor temperature and humidity.

Celsius / Fahrenheit

Press "+/C/F" button (10) to toggle between displaying the temperature in Celsius and Fahrenheit.

Temperature Trend

- ↗ indicates the temperature is in an increasing trend.
- indicates the temperature is in a no-change trend.
- ↘ indicates the temperature is in a decreasing trend.

Alarm Clock Operation

Current and Alarm Time

- Press "MODE" button (4) on the front of the machine to view alarm time. "AL" will be shown on the display.
- Press "MODE" button (4) again to display current time or the clock will automatically revert to current time in approximately 10 seconds.

Setting the Time

- Press and hold "AL ON/OFF / SET" button (7) for approximately three seconds and the hour digits will flash.
- Press "+ / C / F" button (10) or "- / F" button (11) to change the hour setting.
- Press "AL ON/OFF / SET" button (7) to confirm.
- Press "+ / C / F" button (10) or "- / F" button (11) to change the minute setting.
- Press "AL ON/OFF / SET" button (7) to confirm.

- Press "+ / C / F" button (10) or "- / F" button (11) to select between 24-hour and AM/PM setting.
- Press "AL ON/OFF / SET" button (7) to confirm.

Setting the Alarm Time

- Press the "MODE" button (4) until the alarm is displayed. "AL" will appear on the display to indicate the alarm time.
- Press and hold "AL ON/OFF / SET" button (7) for approximately three seconds and the hour digits will flash.
- Press "+ / C / F" button (10) or "- / F" button (11) to change the hour setting.
- Press "AL ON/OFF / SET" button (7) to confirm.
- Press "+ / C / F" button (10) or "- / F" button (11) to change the minute setting.
- Press "AL ON/OFF / SET" button (7) to confirm.

Activating the Alarm

- When the Alarm Time (AL) is shown, press "AL ON/OFF / SET" button (7) to turn on and off the alarm. "A" appears when the alarm is on.
- The alarm will sound for 120 seconds when the preset alarm time is reached. Hit any button on the back of the clock to deactivate the alarm.
- Hit the "SNOOZE / LIGHT" button (6) when the alarm enters snooze mode. "A" will flash when the clock is in snooze mode. The alarm will sound again after the preset snooze time has been reached. Hit any button on the back of the clock to deactivate the alarm.

Radio Operation

- Turn "VOLUME" dial (2) to desired volume.
- Press "AM/FM" button (1) to select between AM or FM frequency.
- Turn "TUNING" dial (3) to tune for radio frequency.
- Extend and change the position of the Antenna (5) to receive the best radio reception. Relocate the radio for best reception if required.

LINE-IN

- This unit may be used as a speaker playing music from another music player (not included) through the "LINE-in" jack (13).
- Turn "VOLUME" dial (2) to control the volume.

NOTE: Set the volume of music player no higher than 75% of the maximum volume to avoid sound distortion.

Headphones

Plug the headphone in "Earphone" jack (12).

Warnings

- Do not subject the unit to excessive force, shock, dust, temperature, or humidity.
- Do not immerse the unit in water.
- Do not remove any screws.
- Do not dispose of this unit in a fire.
- Keep unit away from small children. The unit or parts of the unit might be a choking hazard.
- Never attempt to recharge the batteries in any other methods.
- Dispose of the unit according to local and state laws.
- Recycle when possible.
- Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications

- | | |
|---------------------------|---------------------------------------|
| FM frequency | : 87.5MHz-108.0MHz, stepping 0.1 MHz |
| DC-in | : DC6V 300mA |
| Indoor temperature range | : 0-50°C (32-122°F), accuracy: ±2°C |
| Outdoor temperature range | : -20-50°C (-4-122°F), accuracy: ±2°C |
| Speaker | : 16ohm x 1W |

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