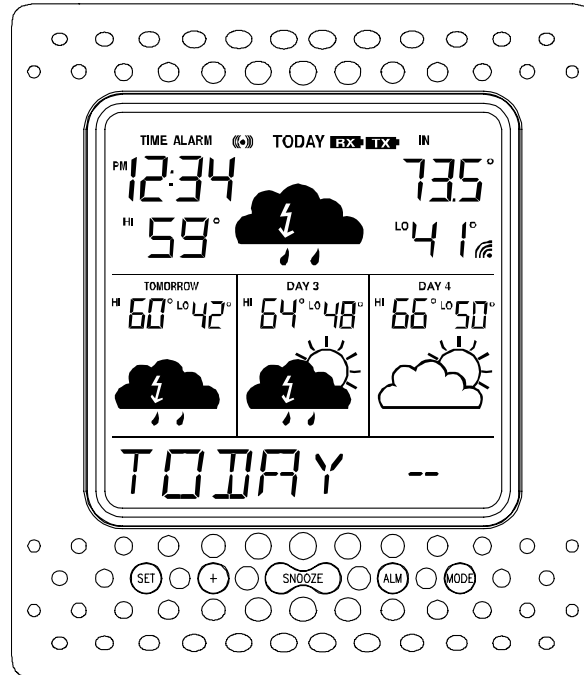


# WD-3104U

## 4 DAY INTERNET POWERED WEATHER STATION

Owner's Manual



**WEATHER DIRECT®**  
Presented by La Crosse Technology®

La Crosse Technology, Ltd.  
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## Congratulations

You have just purchased the world's first Internet-Powered Weather Forecast Station. Meteorological accuracy 24 hours-a-day, providing forecast information without turning on your television or computer! Weather Direct® uses the power of the Internet to deliver weather forecasts and other important information tailored to you, because you are in control of the information it delivers.

We understand that no one likes having to read a manual, so we've tried to make this a fun and rewarding read. After all, Weather Direct® is all about you. It's like having your own personal assistant to tell you the weather forecast when and where you want it. Knowing how the Weather Direct® forecast station works will allow you to get the most out of this innovative new system.

Weather Direct® - Not Just Another Weather Forecast Station. Weather Direct® is the complete weather forecast experience.

## Quality Forecasts

Weather Direct® provides the most accurate forecast information available, customized to your exact location! Our forecasts go beyond backyard measurements by using Internet-enabled weather data provided by official National Weather Service instrumentation and local weather reporting stations widely distributed throughout North America.

The same quality weather information used by meteorologists to deliver the local forecast plus additional weather data unique to the Weather Direct® network is available to you 24 hours a day! We provide the most detailed, customized, up-to-date weather forecasts available on any medium. Weather Direct® allows you to pinpoint your exact location to ensure that you receive precision weather forecasts customized for you!

## Weather Direct® is Green

We are doing our part to keep our planet healthy by eliminating our paper manuals, saving trees in the process. Not only are we reducing the amount of paper, but we are also trying to help you save space in your desk drawer, file cabinet or box in the basement where all these pesky manuals end up. Now you can print *only* the pages from this manual that you need... or not print any at all if you find what you are looking for online.

The Gateway uses only 1 watt of power with a two-year battery life on the Wireless Display and Temperature sensor. Since the Weather Direct® system works even when your computer is off, you save money on electricity.

## Included in the Box

The WD-3104U 4 Day Wireless Forecast Station is a complete Weather Direct® system that includes:

- WD-3104U Wireless Display – Provides weather forecast information, time, date and other custom data from the Internet. Also receives and displays wireless outdoor temperature, from your backyard using the included Wireless Outdoor Sensor.
- Wireless Gateway + Mounting Plate – Provides your Weather Direct® System with weather data and other customizable feeds from the Internet. Sends data your Wireless Display with a wireless range of up to 330 feet (open air).

- TX-50U Wireless Outdoor Temperature Sensor + Mounting Plate – Measures the outdoor temperature where you are and sends temperature data to your Wireless Display with a wireless range of up to 330 feet (open air).
- (4) Screws and drywall anchors for mounting the Wireless Outdoor Temperature Sensor and the Wireless Gateway
- Quick Set Up Card
- LAN cable to connect the Gateway to a network router
- AC adapter for Gateway

## 915 MHz Wireless Sensor Technology

This product offers:



**INSTANT TRANSMISSION** is the state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY®. **INSTANT TRANSMISSION** offers you an immediate update (every 4 seconds!) of all your outdoor data measured from the sensors: follow your climatic variations in real-time!

## Features

- Free Forecasts for Over 60,000 Locations in the United States and Canada, Including Golf Courses, Parks Sports Venues and More.
- Automatically Updates Itself via the Gateway
- 4 Day Forecast with Daily Sky Condition Icons
- Specific Forecast for Morning, Afternoon, Evening and Night and Full Day
- Lower LCD Line Scrolls City Name, Forecast, Outdoor Temperature, Sun Rise/Set
- Lower LCD Line Scrolling Speed Adjustment (1-4)
- LCD Contrast Setting (1-7)
- Daily HI / LOW Temperature Forecast
- Indoor Temperature (°F)
- Wireless Outdoor Temperature
- Time Alarm with Snooze
- Time and Date Set Automatically
- Low Battery Indicator on the LCD and the web site for the Wireless Display and Outdoor Sensors

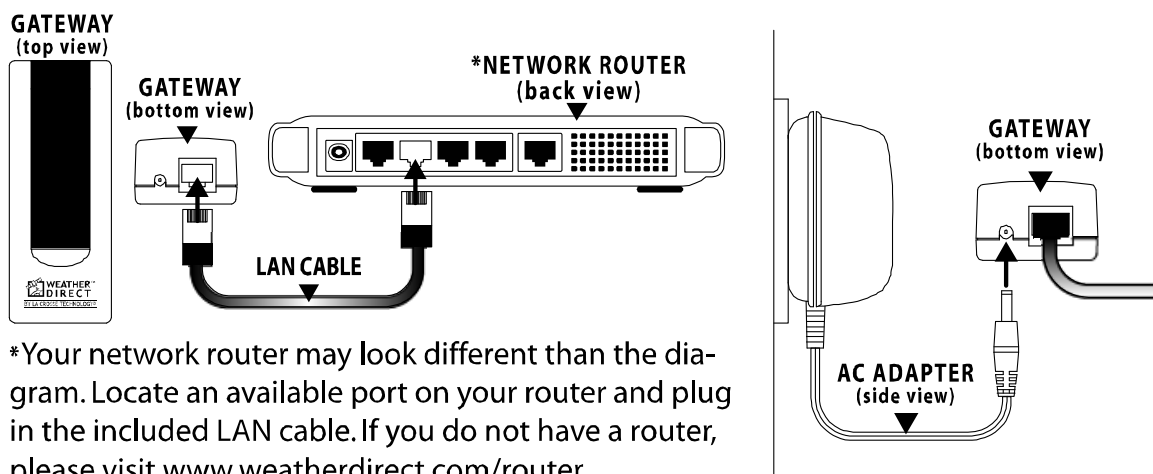
### What You Need to Get Started:

- High-speed Internet connection – cable, DSL or other broadband Internet service will work. NOTE: If you only have a Dial-Up Internet connection, Weather Direct® will not work.
- Router or broadband modem with built-in router. (Contact your Internet service provider ISP for information on compatibility with their service)
- If you have any questions about routers, or you would like a recommendation on a great router for use with Weather Direct®, see - [www.weatherdirect.com/router](http://www.weatherdirect.com/router)
- Valid e-mail address – required so you can retrieve your password and receive other information about your user profile.
- 2 “AA” **Alkaline** batteries for the Wireless Outdoor Sensor
  - ★ **NOTE:** Rechargeable batteries are not recommended due to the wide variation in performance between brands and types. Please use only fresh Alkaline batteries.
- 2 “C” **Alkaline** batteries for the Wireless Display
  - ★ **NOTE:** Rechargeable batteries are not recommended due to the wide variation in performance between brands and types. Please use only fresh Alkaline batteries.
- Visit [www.weatherdirect.com](http://www.weatherdirect.com) and click “Register” to Start
- After you have registered and selected a forecast location and Time Zone for your Wireless Display, the forecast data will show up on the display within 60 seconds.
- A reasonably current Windows, Macintosh, or Linux PC with Internet browser installed is required for initial set up and configuration changes.
- The browser must be configured with Java Script enabled. Most browsers allow JavaScript as a standard feature. If you have turned off support for JavaScript in your browser, please allow JavaScript to run again to register or configure your Device.

### Quick Setup Visual Guide:

Please DO NOT insert batteries into the Wireless Display or the Outdoor Sensor until instructed to do so.

Connect the Gateway to an available LAN port on your network router with the LAN cable (included) and then power up the Gateway with the AC Adapter (included).



## Set Up Your WD-3104 Display:

- ★ **NOTE:** The **Quick Set-Up Card** that is included in the box contains additional instructions to help you get started quickly if you want to perform a basic setup of your Weather Direct® system without reading this entire manual.

Open [www.weatherdirect.com](http://www.weatherdirect.com) in a web browser and click “REGISTER” at the top of the page. Our Online Registration Wizard will guide you through the complete registration process.

Visit [www.weatherdirect.com/help](http://www.weatherdirect.com/help) for information on troubleshooting.

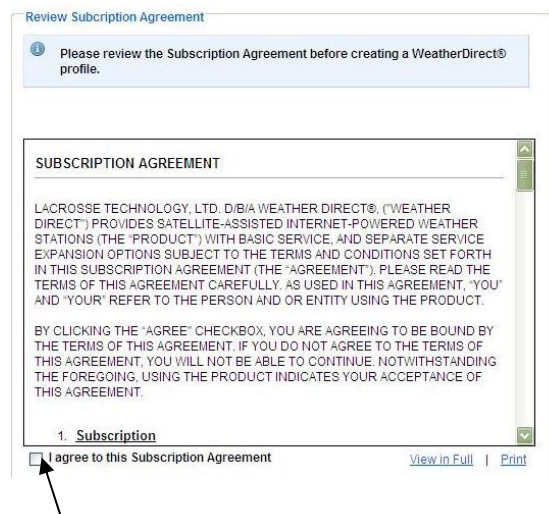
## Detailed Set Up:

### Create Your Weather Direct User Account

First, create an account at [www.weatherdirect.com](http://www.weatherdirect.com). You only need one account to manage all your Weather Direct components. (Note: We generally recommend limit of 3 gateways per user account.) In the Login box, select the “Register New User” link.



You are presented with a standard web site usage agreement. You may use the print link, if desired. You must consent to the License Agreement terms where indicated before clicking on the “Create Profile” button:  
Weather Direct basic registration and usage is free.



Next you need to complete one screen of basic personal information. Tips on doing so:

**User Name:** Make this an easy to remember name variation or descriptive phrase. Use the underscore \_ where any spaces would be. If the name chosen has already been taken, you will get a red error message.

**Password:** Choose 6 or 8 characters you can remember. For best security, combine letters, numbers, and symbols.

**Email Address:** This must be valid, as it is used to confirm specific events. (Note: Your hi-speed internet service usually provides an email address. Basic free accounts are also available at resources like google.com, msn.com, or yahoo.com if you do not have e-mail or wish a separate address for weather direct.)

**First Name, Last Name and Zip Code:** We do not sell or rent lists; your name is used for notification and support purposes only.

**My Time Zone:** This entry tells the computer which time zone you want to see on the display.

**Display all Temperatures on the Website as:** Your choices are Fahrenheit or Celsius. Note: Displays can have their own setting selected when you register a device.

**Verification Code:** Retype what you see on the screen. This is a common web site security registration request.

**Note:** If you see black instead of a verification code, check what you need to get started above. You can create your account on a different PC (one-time task). A configuration issue making the account usually does not impede using it. We cannot resolve browser configuration issues for you.

**Note:** After account set up you will only need you user name and password to log in.

**Create Profile**

**Please fill in the necessary information to create your My Weather C profile.**

We take privacy and security seriously. Your e-mail address and pro are protected on a secure server. We will never sell or disclose you address or profile details to third parties.

---

**My Profile Details**

**User Name**  
 ✔ username is available  
(User Name can not be changed after the Profile is created)

**Password**  
  
(Password must have a minimum of 6 characters)

**Confirmation Password**

**Email Address**

**Confirmation Email Address**

**First Name**

**Last Name**

**Zip / Postal Code**

**Country**  
 ▼

**My Time Zone**  
 ▼

**Display all Temperatures on the Website as**  
 ▼

### Verification Code

Enter the code shown above:



**Register Standard Gateway**

On the “Select Your Gateway Type” box select the picture that matches the gateway in your package. Most users purchase a standard gateway. Notice the “My Weather Direct” summary on the left. This panel will gradually fill with gateway(s) and display(s) as you build your weather direct system. If you do not see the Select Your Gateway Type box, choose either the “Register Gateway” entry on the left, or the “Register” menu option at the top of the page. Please follow the directions on the screen to register the gateway. A few tips:

1. On the first gateway registration screen, **STOP** and double-check **ALL** wiring before you proceed. The most common mistake we see is that user’s wire is in a router or switch incorrectly.
2. If you have some difficulty registering, **it is OK to press the gray button on the gateway more than once as the progress bar advances across the screen.** Wait about 30 seconds between attempts and make sure to press the button firmly.

Note: For a USB Gateway, see **Appendix D: USB Gateway Installation.**

If you succeed, a working gateway comes to rest at a **solid red light**. Normal operation is red light always on and green light on when data transmits.



**Register a Device**



**To register any device, your gateway must be successfully registered**

Select the “Register Device” option **under** the gateway in the **My Weather Direct** panel.

When you are presented with the Registration screen, look at your device (WD-3104), then scroll up and down the pictures presented on the screen until you find the closest match (the registration process will correct any errors as it reads the display chip).

**WARNING:** Match display models on the 4 numeric digits, as any other characters on the picture label are less important. If in doubt, the model number is printed on the back of the device just below the “ONLINE SUPPORT” entry (usually on the battery cover). You need the last 4 digits from the [www.weatherdirect.com/3104](http://www.weatherdirect.com/3104) entry as the web site does not use the letter codes.



Select Device

Please Select the Item that You Want to Register Below by clicking on the Item image. Wireless Display Model Numbers Are Printed on the Back of the Device and Begin with "WD" (example WD-3105U) or "WA" (example WA-1240U).

Wireless Displays

WD-1800U      WD-2511U      WD-2512U(R-B)

### Non-Audio Units

After batteries are inserted in a non-audio unit, it should scroll the words “Press Gateway Button” in the lower window of the LCD. If it does not, press and hold both the SET+ALARM keys until you hear two beeps, then it is reset and the “Press Gateway Button” message should scroll.

Follow the directions on both the web site and LCD display screen. You only press the Gateway button to register a non-audio unit.

Additional tips:

- It is OK to press the Gateway button more than once while the progress screen advances, provided that you wait 30 seconds between each press.



- When you get to the “Wireless Display Settings” page, do not be overly concerned about making your initial data entry perfect. You have about 120 seconds to save the registration. You can always “perfect” it later.

Wireless Display Settings

Wireless Display name  
WD-3105P  
Note: The Wireless Display name is used only on the web site

Time Zone for Wireless Display Clock  
(GMT -06:00) Central Time

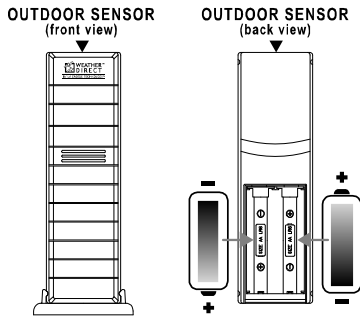
Use Daylight Saving Time

Display all Temperatures as  
Fahrenheit

### TX50 Outdoor Temperature Sensor

Once the forecast is showing on the WD-3104U display, insert Batteries into the outdoor sensor and place 5-10 feet from the display for 15 minutes. Press the "SNOOZE" Key on your Wireless Display to show the outdoor temperature.

The Wireless Outdoor Sensor sends temperature data to your Wireless Display, accurate to within a tenth of one degree.



The Outdoor Temperature Sensor uses 2 x "AA", **Alkaline** batteries. To install and replace the batteries, please follow the steps below:

1. Remove the battery compartment cover on the back of the sensor.
2. Insert the batteries, observing the correct polarity (see marking).
3. Replace the battery compartment cover on the unit.

Press the "SNOOZE" Key on your Wireless Display to show the outdoor temperature at any time. The outdoor temperature will scroll on the bottom of the LCD.

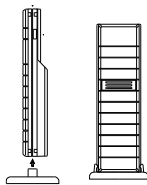
### Hardware Installation

- ★ **NOTE:** Hardware installation is completed after you have registered your Gateway and Wireless Display, inserted batteries into the Wireless Outdoor Temperature Sensor, and have confirmed successful reception of weather data.

### Wireless Outdoor Sensor Installation Options

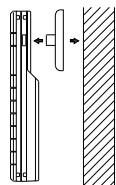
- ★ **NOTE:** Move the Wireless Outdoor Sensor into its intended location and wait for 10 minutes to make sure the Wireless Display is still receiving the outdoor temperature. Press the "SNOOZE" Key on your Wireless Display to show the outdoor temperature. If the display shows - -,-F for the outdoor temperature, the signal cannot reach the Wireless Display. Find a closer location to mount the Wireless Outdoor Sensor and wait 10 minutes to check the Wireless Display again for reception.
- ★ **DO NOT mount the Wireless Outdoor Sensor in a permanent fashion until you are sure the Wireless Display is receiving the signal.**

#### To Surface Mount the Outdoor Sensor:



We have provided a mounting plate that you can attach to a surface with the supplied screws. The Sensor can be positioned on a flat surface by securing the stand to the bottom by gently pushing the bottom of the Sensor onto the holding pegs of the stand until they click into place in the grooves on the Sensor.

#### To Wall Mount the Outdoor Sensor:



The Outdoor Sensor is weather resistant, but not water proof. To ensure maximum Sensor life, mount it in a covered place out of the elements like under the eaves. Placement on the North side of your home will provide the most accurate readings. Mount it about 18" down from the eaves for optimum performance. This ensures that

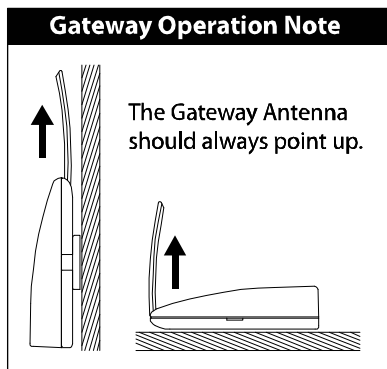
the temperature of the air leaving the attic will not affect the weather data collected by the Outdoor Sensor.

We have provided a mounting plate that you can attach to the wall with the supplied screws. Gently snap the Sensor onto the holding pegs on the mounting plate after the plate is screwed to the wall. When the holding pegs are securely locked into the slots on the Sensor, you will hear a "Click".

- ★ **NOTE:** *Weather Direct was designed first and foremost as an Internet-driven forecast station. Its purpose is to give you a 4-day estimate of your local weather forecast 4 times daily. The option also exists to display National Weather Service alerts.*

*The TX50U sensor for Weather Direct provides the convenience of an outdoor temperature. The outdoor temperature does not display continuously on the Weather Direct display. The TX50U will synchronize with your Weather Direct display and show in the scrolling window. You can press the SNOOZE key at any time to view the outdoor temperature.*


## Gateway Installation



The Gateway should be installed indoors in an easy-to-reach location. Registration requires that you press the gray button on the Gateway. It can be mounted securely to the wall with the included mounting plate and drywall anchors.

If you require a longer LAN cable to mount the Gateway in a desired location, any standard Category 5 network cable will work, but a crossover cable may not work. Crossover cables designed to connect two computers without networking hardware may not work with your Gateway.

- ★ **NOTE:** *Network cables usually have length limitations. The same length limitations will apply that apply to computers on your home network.*

The Gateway sends weather forecasts to your Wireless Display over a maximum 330 ft. range. Walls and other obstructions between the Gateway and Wireless Display will affect the range. The Wireless Signal Icon  will indicate the signal strength to let you know if your Gateway and Wireless Display are within range.

## Online Resources

These links can help to enrich your Weather Direct® experience:

- Help – [www.weatherdirect.com/help](http://www.weatherdirect.com/help)
- For a list of places to choose from as forecast locations - [www.weatherdirect.com/places](http://www.weatherdirect.com/places)

## Time Setting on Wireless Display

The Time Zone you select on [www.weatherdirect.com](http://www.weatherdirect.com) for your Wireless Display is intended to set the time for your physical location so the clock on your Wireless Display is accurate. This time is **independent** of your selected forecast locations. The Wireless Display will ONLY display the time from the "Time Zone for Wireless Display Clock" set on the web site, NOT the time at the forecast locations. There is only one Time Zone available per Wireless Display.

The Daylight Saving Time (DST) checkbox on your Wireless Display settings at [www.weatherdirect.com](http://www.weatherdirect.com) is selected by default because most locations observe DST. If you are in a location that does not observe DST, please make sure to uncheck this box.



### Weather Station 1 - Registered to Gateway: Gateway 1

**Wireless Display Settings**

**Wireless Display name**  
  
*Note: The Wireless Display name is used only on the web site*

**Time Zone for Wireless Display Clock**  
 (GMT -06:00) Central Time

**Use Daylight Saving Time**

**Display all Temperatures as**

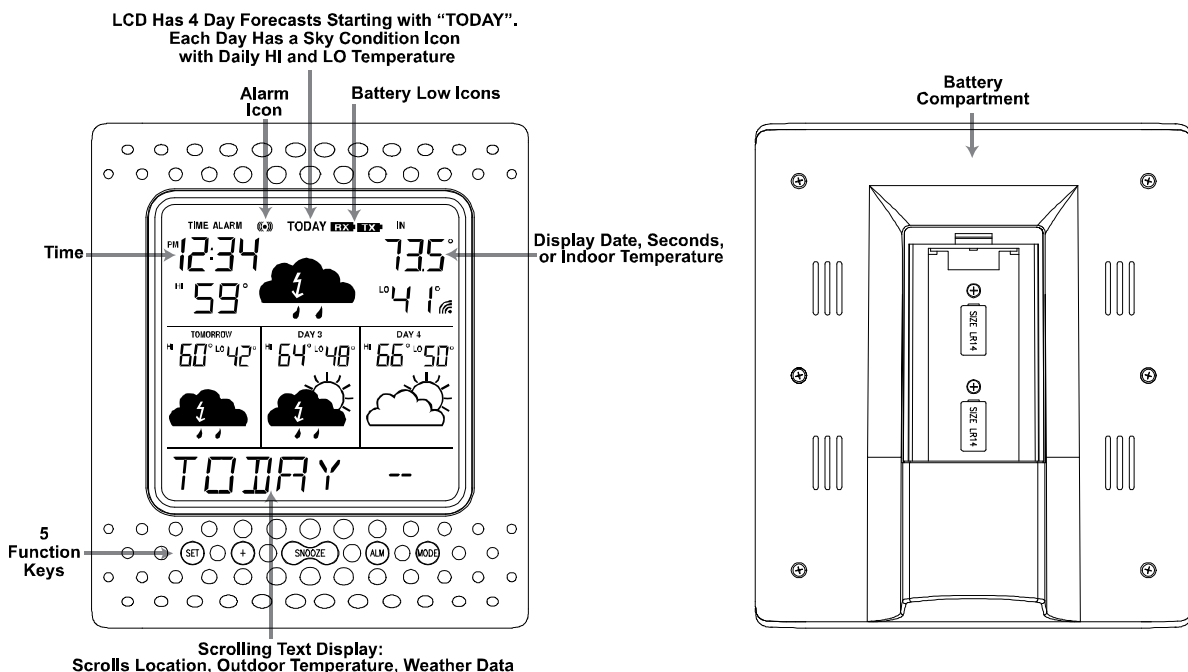
**Forecast Settings for Wireless Display**

Location 1 Location 2 Location 3 Location 4 Location 5

**Search By**

## Wireless Display Operation

This section will teach you how to use your Wireless Display once you have completed online registration. There are 5 control Keys located on the front of the Wireless Display: "SET", "+", "SNOOZE", "ALARM" and "MODE". The following information is divided into sections based on the function of each Key.



|                   |
|-------------------|
| <b>“MODE” Key</b> |
|-------------------|

Specific Forecasts help you prepare for different weather conditions during the day by providing weather information for Morning, Afternoon, Evening and Night.

You'll know if the weather during the morning commute will be different from the weather during the rest of the day.

You'll know to bring your umbrella to work on a deceptively beautiful sunny morning, because Micro Forecasts will inform you that it will rain in the afternoon on your way home.

Going to the game today? The Afternoon and Evening forecasts are a lifesaver! Micro Forecasts help to make sure that you pack a blanket or a raincoat if needed.

Work 2nd or 3rd shift? Receive detailed forecast information tailored to specific times of the day when you are the most active.

You can change the Micro Forecast reading on your Wireless Display by pressing the “MODE” Key to toggle between the available options.

Press the “MODE” key to cycle through the Micro Forecast options:

1. **MORNING**  
Forecast from 6:00 AM - 11:59 AM with Daily HI/LO Temperature
2. **AFTERNOON**  
Forecast from 12:00 PM - 5:59 PM with Daily HI/LO Temperature
3. **EVENING**  
Forecast from 6:00 PM - 11:59 PM with Daily HI/LO Temperature
4. **NIGHT**  
Forecast from 12:00 AM – 5:59 AM with Daily HI/LO Temperature
5. **ROTATE**  
Rotates between the four Micro Forecasts and the Daily Forecast
6. **NEXT SECTION**  
Not enabled on this station.
7. **ONLY DAY**  
Shows only the Daily forecast when you are only interested in the weather for the day rather than forecasts for morning, afternoon, evening or night.

|                  |
|------------------|
| <b>“ALM” Key</b> |
|------------------|

#### **Turn Alarm ON/OFF**

- Press the “ALM” Key to turn the alarm ON. The Alarm icon “((•))” will appear on the LCD.
- Press the “ALM” Key again to turn the alarm OFF. The Alarm icon “((•))” will disappear from the LCD.
- Press the “ALM” Key when the alarm is sounding to stop the alarm for 24 Hours.

### Set Alarm Time

- Press and Hold the “ALM” Key until the hours digit flashes to set the alarm time. Alarm will sound once every 24 hours while active.
- Press the “+” Key to change the hour. “PM” will indicate a PM time, while no icon next to the time means AM time.
- Press the “ALM” key again and the minutes digit will flash.
- Press the “+” key to change minutes.
- Press the “ALM” key once more to return to normal display

### “SNOOZE” Key

#### Alarm Snooze

- Press the “SNOOZE” key to temporarily silence the alarm for 5 minutes. The Alarm icon “((•))” will flash on the LCD while the Snooze function is active. Press any Key to cancel Snooze and turn the Alarm off until tomorrow.

#### View Outdoor Temperature

- Press the “SNOOZE” key to view the current outdoor temperature from your synchronized wireless outdoor sensor.

### “+” Key

#### Toggle Between Time, Date & Temperature

- The “+” Key cycles through the date, seconds and indoor temperature on the top segment of the LCD

#### Manually Request a Weather Direct® Data Update

- When you register your Wireless Display, the weather data is updated within a few minutes. Every 6 hours after that, your Gateway will send weather data to update your Wireless Display.
- After changing the forecast location or other setting on the web site, it can be up to six hours for your next scheduled automatic update.
- After adding an Expansion Option to your Wireless Display, it can be up to six hours for your next scheduled automatic update.
- If you do not want to wait for your Wireless Display to update automatically, Press and Hold the “+” Key for 3 seconds until your Wireless Display beeps once. A second beep within a few seconds will signify that the Wireless Display has received the data.

### “SET” Key

#### When ADD 4 LOCATIONS Expansion Option is Active (optional)

Press the “SET” Key to toggle between the forecast locations on the Wireless Display when the ADD 4 LOCATIONS Expansion Option is active. The name of the location will appear briefly on the bottom of the LCD when it is selected. Weather data for up to 5 locations can be viewed on your Wireless Display.

## Changing Settings on Your Wireless Display

Press and hold the “SET” Key until the Wireless Display beeps to enter the SET mode. Press the “SET” Key to toggle through the four SET modes. If you wait for 5 seconds without pressing a key, the Wireless Display will exit the SET mode and return to normal operation.

**The Four SET modes are:**

### Set Mode 1 – Set LCD Contrast (0-7)

- Press and Hold the “SET” Key until the Wireless Display beeps to enter the SET mode
- “LCD” and number (0-7) will flash near the top. “SET LCD CONTRAST” will scroll across the bottom
- Press the “+” Key to update the LCD Contrast settings. Lightest Contrast = “0”, Darkest Contrast = “7”
- Press the “SET” Key to save the current settings and advance to the next option

### Set Mode 2 – Enable Acoustic Weather Warnings (ON/OFF)

★ **NOTE:** *In addition to the scrolling text of the Severe Weather Alerts, an Acoustic Weather Warning provides a beep to notify you of a weather condition. You can turn this beep off to silence this warning so only the text of the warning is displayed. To change the setting, follow the instructions below:*

- Press the “SET” Key until “AAL ON” or “AAL OFF” flashes at the top and “ENABLE ACOUSTIC WEATHER WARNINGS” scrolls across the bottom
- Press the “+” Key to turn AAL “ON” or “OFF”
- Press the “SET” Key to save the current settings and advance to the next option

★ **NOTE:** *You can silence an Acoustic Weather Warning by pressing any Key.*

### Set Mode 3 - Set Text Scrolling Speed (1-4)

- Press the “SET” Key until “Scr” flashes at the top and “SET SCROLL SPEED” scrolls across the bottom
- The standard speed is set to “2”
- There are four speeds available – “1” is the slowest and “4” is the fastest
- Press the “+” Key to change the scroll speed.
- Press the “SET” Key to save the current settings and advance to the next option

### Set Mode 4 - View Device ID

★ **NOTE:** *Device ID is a reference item for customer service only. You may press the “SET” Key again to exit SET mode if you are not asked to provide this number by customer service.*



- Press the “SET” Key until “SEC 1” appears at the top
- The first part of the Device ID will appear at the bottom
- Press the “+” Key to view second part of the Device ID under “SEC 2”
- Press the “SET” Key to exit SET mode

### FREE Trial of Expansion Options for 14 Days

When you register your Wireless Display and have the included forecast location selected, you will be given the opportunity to try our most popular Expansion Options FREE for 14 Days! NO CREDIT CARD OR PAYMENT REQUIRED!

#### 14 Days of FREE Expansion Options, including:

1. 4 Additional Forecast Locations on your Wireless Display

#### ***Four Additional Forecast Locations***

The standard Weather Direct® Wireless Display includes weather information for one location. - But what about the weather happening in other places that are important to you?

In addition to your standard location, the ***Four Additional Locations Expansion Option*** allows you to monitor four more forecast locations on your Wireless Display, for a total of five.

Press the “SET” Key on your Wireless Display to display the weather data for another forecast location. You can have up to five locations on your Wireless Display. Every press of the “SET” Key rotates through the list of available locations.

Now you can keep an eye on the weather where your daughter goes to school, your favorite vacation spot, your parents’ house and more.

### Severe Weather Alerts

Keep your family safe with Severe Weather Alerts issued by the National Weather Service. This valuable information will help you prepare for upcoming weather events. Choose which types of severe weather events you want to receive. Even be alerted via e-mail or SMS text message when you are away from your Wireless Display!

Severe Weather Alerts are available for either 1-year or 3-year periods that cover one forecast location. You can add up to 5 total alert locations if you also have the Add 4 Locations Expansion Option active.

Severe Weather Alerts are available for any of our forecast locations.

Weather Direct® is not liable for any incidents that may occur as a result of any National Weather Service alert. This alert service is provided as a convenience to make you aware of a potential situation, not as a replacement for local severe weather warning systems.

**Types of Severe Weather Alerts:**





































| <b><i>Warnings</i></b> |                  |                     |
|------------------------|------------------|---------------------|
| Blizzard               | Heavy Rainfall   | Severe Thunderstorm |
| Coastal Flood          | Heavy Snow       | Severe Wind         |
| Excessive Heat         | Heavy Snowfall   | Small Craft         |
| Flash Flood            | High Wind        | Special Marine      |
| Flood                  | Hurricane Force  | Storm               |
| Freeze                 | Ice Storm        | Tornado             |
| Frost                  | Lake Effect Snow | Weather             |
| Gale                   | Lake Snow        | Wind Chill          |
| Heavy Rain             | River Flood      | Winter Storm        |

| <b><i>Watches</i></b> |           |                  |
|-----------------------|-----------|------------------|
| Coastal Flood         | Flood     | Lake Effect Snow |
| Excessive Heat        | Freeze    | Lake Snow        |
| Flash Flood           | High Wind | River Flood      |

| <b><i>Advisories and Statements</i></b> |                       |                                 |
|---|-----------------------|---------------------------------|
| Blowing Dust                            | Heat                  | Tropical Storm Statement        |
| Blowing Snow                            | Heavy Snow            | Urban And Small Stream<br>Flood |
| Dense Fog                               | Hurricane Statement   | Urban Flood                     |
| Freezing Drizzle                        | Lake Effect Snow      | Wind                            |
| Freezing Fog                            | Small Stream Flood    | Wind Chill                      |
| Freezing Rain                           | Snow                  | Winter Weather                  |
| Frost                                   | Snow And Blowing Snow |                                 |

### Forecast Icons Explained

There are two sets of icons presented on your Wireless Display, one for day and one for night. A sun appears on many of the day icons while a moon appears on many of the night icons.

|                              | DAY  | NIGHT   |
|------------------------------|--|---|
| Sunny<br>(Clear at night)    |     |      |
| Light cloud                  |     |      |
| Mostly cloudy                |     |      |
| Overcast                     |     |      |
| Showers<br>(Light rain)      |    |     |
| Showers<br>(Heavy rain)      |   |    |
| Light rain                   |   |    |
| Heavy rain                   |   |    |
| Storms<br>(Light rain)       |    |    |
| Storms<br>(Heavy rain)       |    |    |
| Heat storms                  |    |    |
| Sleet showers                |    |    |
| Snow showers<br>(Light snow) |   |   |
| Snow showers<br>(Heavy snow) |  |  |
| Sleet                        |  |  |
| Light Snow                   |  |  |
| Heavy Snow                   |  |  |
| Snow storms<br>(Heavy snow)  |  |  |

★ **NOTE:** Trace precipitation will not display droplets on the icon and "MEDIUM" conditions generally use the "HEAVY" icons to communicate weather events that are likely to affect your plans for the day.

## Troubleshooting

Visit [www.weatherdirect.com/help](http://www.weatherdirect.com/help) for information on troubleshooting.

Weather Direct devices will generally recover from most anomalies on their own within 24 hours. If your Weather Direct device does not recover on its own, you may need to **power cycle the gateway**:

- Unplug your Gateway for 10 seconds and then plug it back in.

### When the Gateway is showing a solid red light:

- Press and hold the PLUS button on the Display until it beeps.
- Wait 1 minute for the forecast to update.
- **Note:** If you are already registered with Weather Direct, a **SOLID RED LIGHT** is normal.

## Factory Reset of Wireless Display

- ★ **NOTE:** It is not possible to re-register a previously registered Wireless Display under a new account until the Wireless Display has been **deleted** from the user account on [www.weatherdirect.com](http://www.weatherdirect.com) and a Factory Reset has been performed.
- ★ **NOTE:** Expansion Options that are Lifetime Upgrades are still active on your Wireless Display even if you delete it from your user account on [www.weatherdirect.com](http://www.weatherdirect.com) or perform a Factory Reset. The selection of locations and other custom settings will need to be performed again if the Wireless Display is re-registered.
- ★ **WARNING:** The Factory Reset procedure will erase any registration and setup information from your Wireless Display. You must register the Wireless Display again with [www.weatherdirect.com](http://www.weatherdirect.com) to use it after a Factory Reset.
- ★ **WARNING:** Deleting the Wireless Display from a user account on [www.weatherdirect.com](http://www.weatherdirect.com) will erase the weather and other setup information such as forecast locations from the Wireless Display.

If you have trouble registering your Wireless Display after multiple attempts, try a Factory Reset.

If you wish to give your Wireless Display to someone else or simply to register it under a different user account, you must perform the Factory Reset to clear the registration information from the memory of the Wireless Display and delete the device from the user account on [www.weatherdirect.com](http://www.weatherdirect.com)

Additional diagnostic and reset information, including how to reset the gateway (if necessary), is contained at [www.weatherdirect.com/help](http://www.weatherdirect.com/help)

### TO PERFORM THE FACTORY RESET:

Hold both the "SET" and "ALM" Keys down together for about 6 seconds; you will hear a double beep. This resets the Wireless Display to the original factory state.

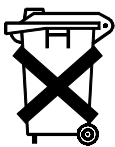
## Care and Maintenance

- Extreme temperatures, vibration and shock should be avoided as these may cause damage to the unit and give inaccurate readings.
- Precautions shall be taken when handling the batteries. Injuries, burns, or property damage may be resulted if the batteries are in contact with conducting materials, heat, corrosive materials or explosives. The batteries shall be taken out from the unit before the product is to be stored for a long period of time.
- Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended type.
- When cleaning the display and casings, use a soft damp cloth only. Do not use solvents or scouring agents as they may mark the LCD and casings.
- Do not submerge the unit in water. Furthermore, fix all parts in place where the units are adequately protected against moisture and rain.
- Special care shall be taken when handling a damaged LCD display. The liquid crystals can be harmful to user's health.
- Do not make any repair attempts to the unit. Return them to their original point of purchase for repair by a qualified engineer. Opening and tampering with the unit may invalidate their guarantee.
- Never touch the exposed electronic circuit of the device as there is a danger of electric shock should it become exposed.
- Do not expose the units to extreme and sudden temperature changes, this may lead to reduce their accuracy.
- Batteries are the single largest cause of customer support cases. Please use plain **Alkaline** batteries testing no less than 1.48 on a voltmeter or with an expiration date 7 years in the future.

## Battery Low Icons

- When the batteries need to be replaced in the Wireless Outdoor Sensor, the LCD will display the "TX" icon. **TX**
- When the batteries need to be replaced in the Wireless Display, the LCD will display the "RX" icon. **RX**
- 

## Battery Replacement



We recommend that you replace the batteries in all units regularly to ensure optimum accuracy of these units. Please see the battery life in the specifications below.

Help us to keep our environment clean. Return used batteries to an authorized depot.

## Specifications

### Temperature Range

Indoor Range: 14.1 °F to 100 °F  
Outdoor Range: -39.8 °F to +139.8 °F  
Update Interval: Every 4.5 seconds

### Battery Life

Wireless Display (without Severe Weather Alerts Activated): Up to 3 Years  
Wireless Display (with Severe Weather Alerts Activated): Up to 2 Years  
Wireless Outdoor Sensor: Up to 2 Years

### Dimensions

Wireless Display: 5.11" L x 2" W x 6" H  
Wireless Gateway: 6.63" L x 1" W x 1.56" H  
Wireless Outdoor Sensor: 1.5" L x .83" W x 5.05" H

### Weather Direct® Update Rate

Every 6 Hours

### Weather Direct® Wireless Range

Up to 330 Feet (open air)

## Power Requirements

★ **NOTE:** *Rechargeable batteries are not recommended due to the wide variation in performance between brands and types. Please use only fresh Alkaline batteries.*

Wireless Display: 2 "C" **Alkaline** Batteries (not included)  
Wireless Gateway: Included AC Adapter & LAN Cable  
Wireless Temperature Sensor: 2 "AA" **Alkaline** Batteries (not included)

## Liability Disclaimer

- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.
- This product is designed for use in the home only as indication of the temperature and weather forecast for the selected location.
- This product is not to be used for medical purposes or for public information.
- The specifications of this product may change without prior notice.
- This product is not a toy. Keep out of the reach of children.

## FCC Statements

Statement according to FCC part 15.21:

Modifications not expressly approved by this company could void the user's authority to operate the equipment.

Statement according to FCC part 15.105:

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.

RF Exposure:

This device is a very low power transmitter. There are no restrictions regarding RF Exposure requirement.

## Warranty Information

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need of repair, you will be charged for the repairs or examination.

The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained

in your owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.

This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages; therefore the above exclusion of limitation may not apply to you.

Support services are limited to the WD-3104 system components supplied and usage of the weather direct web site. Any other computer system components or Internet communication configurations (e.g. the computer, network, router, Internet browser, ISP service, etc.) are outside of the scope of our services.

For warranty work, technical support, or information contact:  
Hours: Mon-Fri. – 8:00 AM to 5:30 PM Central

e-mail: [support@weatherdirect.com](mailto:support@weatherdirect.com)

- Help – [www.weatherdirect.com/help](http://www.weatherdirect.com/help)
- For a list of places to choose from as forecast locations - [www.weatherdirect.com/places](http://www.weatherdirect.com/places)

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