

# WD-2512UR-B 2 DAY INTERNET POWERED WEATHER STATION

Owner's Manual



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

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## Congratulations

You have just purchased the world's first Internet-Powered Weather Station. Meteorological accuracy 24 hours-a-day, providing forecast information without turning on your television or computer! Weather Direct® LITE 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® LITE 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® LITE - Not Just Another Weather Forecaster. Weather Direct® LITE is the complete weather forecast experience.

## Quality Forecasts

Weather Direct® LITE 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® LITE allows you to pinpoint your exact location to ensure that you receive precision weather forecasts customized for you!

## Weather Direct® LITE 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.

## Included in the Box

The WD-2512UR-B 2 Day Wireless Forecast Station is a complete Weather Direct® LITE system that includes:

- WD-2512UR-B 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 Optional Wireless Outdoor Sensor.
- Wireless USB Transceiver – Provides your Weather Direct® LITE System with weather data and other customizable feeds from the Internet. Sends data to your Wireless Display with a wireless range of up to 100 feet (open air).

## Features

- Free Forecasts for Over 60,000 Locations in the United States and Canada, Including Your Hometown, Golf Courses, Parks Sports Venues and More.
- Automatically Updates Itself via the Wireless USB Transceiver
- 2 Day Forecast with Daily Sky Condition Icons
- Optional with Network Gateway- 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 with Optional TX-50U Sensor.
- Time Alarm
- Time and Date Set Automatically
- Low Battery Indicator on the LCD and the web site for the Wireless Display and Optional Outdoor Sensors

## What You Need to Get Started:

- Internet connection – cable, DSL or other Internet service will work.
- Valid e-mail address – required to make sure you can retrieve your password and receive other information about your user profile.
- When Optional TX-50U Wireless Outdoor Temperature Sensor is used: 2 “AA” **Alkaline** batteries for the Wireless Outdoor Sensor
  - ★ **NOTE:** *Rechargeable batteries are not recommended in the Wireless Outdoor Sensor due to the wide variation in performance between brands and types. Please use only fresh Alkaline batteries.*
- 3 “AA” **Alkaline or Rechargeable** batteries for the Wireless Display
- 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 and weather updates.
- 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.

### Set Up Your WD-2512 Display:

Do not install batteries into the wireless display until instructed to do so.

★ **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@Lite 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 D profile.*

*We take privacy and security seriously. Your e-mail address and pr 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**

QLLET

Enter the code shown above:

## Register USB Gateway



In addition to a PC to configure your display options, to use the USB gateway and receive the forecast data available on your device, your PC must have a USB port available. This must be a powered USB port (e.g. on the back of the PC). The problem with ports on the back of your PC is the PC chassis plus the desktop surface may be too dense for radio frequency (RF) signals to reach the display. You can bring the USB gateway to the top of the desk via a certified USB 2.0 extension cable or use a powered USB 2.0 hub. (Note: Make sure the powered hub comes with a power cable to plug directly into an electric outlet as this is what supplements the USB power.) A USB gateway cannot send as much information to the display as a standard gateway. USB usage has the following limitations:

- The PC must be on to obtain forecast updates. This does not mean it has to stay on all the time, but if it isn't, you will have to manually update the display when the PC turns back on.

**Note:** XP/Vista/Windows 7 by default all enforce power management, which means your USB ports are powered down when no user activity is detected. This is by design in the operating system to protect your PC hardware. Instructions on power management options are posted at:

<http://weatherdirect.com/pdfs/help/Windows%20Power%20Management.pdf>

- Displays are limited to 1 location

**Tip:** If the USB gateway does not meet your needs, you can purchase a router and standard gateway later. Options for Weather Direct parts are available at

<http://www.greatbigoutlet.com/shopdisplayproducts.asp?id=15>

On the "Select Your Gateway Type" box select the picture that matches the gateway in your package.

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:

- Download the software and install, as directed.
- When you are instructed to do so, insert the USB gateway in your USB port.

## REGISTRATION

**Register Gateway**

**You have chosen to register a USB-Gateway with Weather Direct®.**

**Note:** The USB-Gateway receives weather data and other information from the Weather Direct® servers and sends it to your Wireless Display or other device.

1. Download the required Software [here](#).  
(Please Note: If you have already installed the software you may skip the steps on this page.)
2. Save it on your Computer (somewhere you can locate it).
3. Find the downloaded (.exe) file and Double-Click it to start the installation.
4. Follow the instructions within the installation wizard (default locations and names are recommended). It is not necessary to restart your computer after installation.
5. When the software is installed successfully, please click Continue button below.

[Click Here to Continue](#)

- Proof-read the serial number prompted after the USB Gateway software installs against the number printed on the gateway.

**Note:** The pictures came from 2 different devices, so they can't match in the example.  
**Yours must match!**

**WELCOME**

Please go to weatherdirect homepage to register gateway!

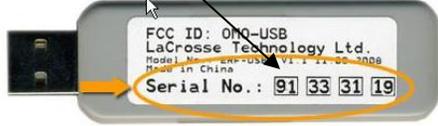
The serial no.: 83 92 33 92

After that press OK-Button.

Please locate the Serial No. on the back of the Gateway and enter it below. Press the "Submit Serial Number" button to submit.

The Channel is used by your Gateway for RF communication. The supplied default value should work for most cases.

Gateway Serial No.     Channel



**USB-ERF-Gateway V1.7 22.01.2009**

**WEATHER DIRECT™**

Socket Communication  
 PC Network Interface:    
 Server Name:   
 Server IP:     State: Idle

Settings & Modes  
 Serial No.:       
 Registration State: REGISTERED (Channel: 2)   
 USB-ERF-Gateway: ONLINE: V 1.2, 01.10.2008  
 Operating Mode: Idle

**Note:** If you do not see the "Welcome" screen (above) and you did not yet register the USB gateway, press the Factory Reset button on the USB-ERF-Gateway software. This will reset the USB gateway and display the serial number it reads inside the gateway.

If these numbers do not match, use the number in the Welcome screen. If the rare case that an unmatched number occurs, please contact Customer Support.

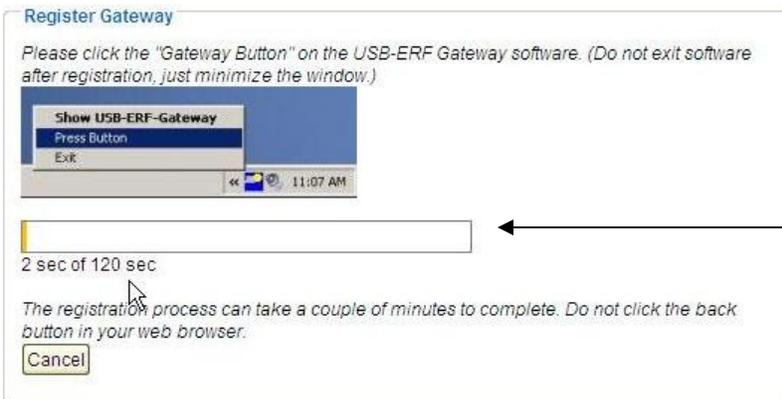


There are actually several ways to press the "Gateway Button" when directed to do so:

- Clicking OK on the Welcome screen will press the Gateway Button.
- Wait 15 seconds to see if it responds.
- Press Gateway Button on the USB-ERF-Gateway software. Wait 15 seconds to see if it responds.



- Right click in the System Tray (lower right corner of screen) will present the USB-ERF-Gateway menu.



Basically, it is ok to press the gateway button more than once in the 120 seconds allotted to the Register Gateway screen, but make sure you wait at least 15 seconds between presses.

Do not keep pressing the Gateway button when the "Register Gateway" screen goes away. You should see a small "success" message with the prompts to register your device next behind it.



Follow the directions on the screen to register the device. The USB gateway button is in the System Tray, as indicated on the registration screen, in the lower right corner. As with registering any device, it can be OK to press the Gateway Button more than once, so long as you wait about 15 seconds between presses, and stop pressing when the progress screen goes away.

### 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-2512), 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/2512URB](http://www.weatherdirect.com/2512URB) entry as the web site does not use the letter codes.

## REGISTRATION

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 15 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.

Synchronize Wireless Display with Gateway

The registration process can take up to 120 seconds to complete. Do not click the back button in your web browser.

3 sec of 120 sec

Cancel

---

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

### 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**

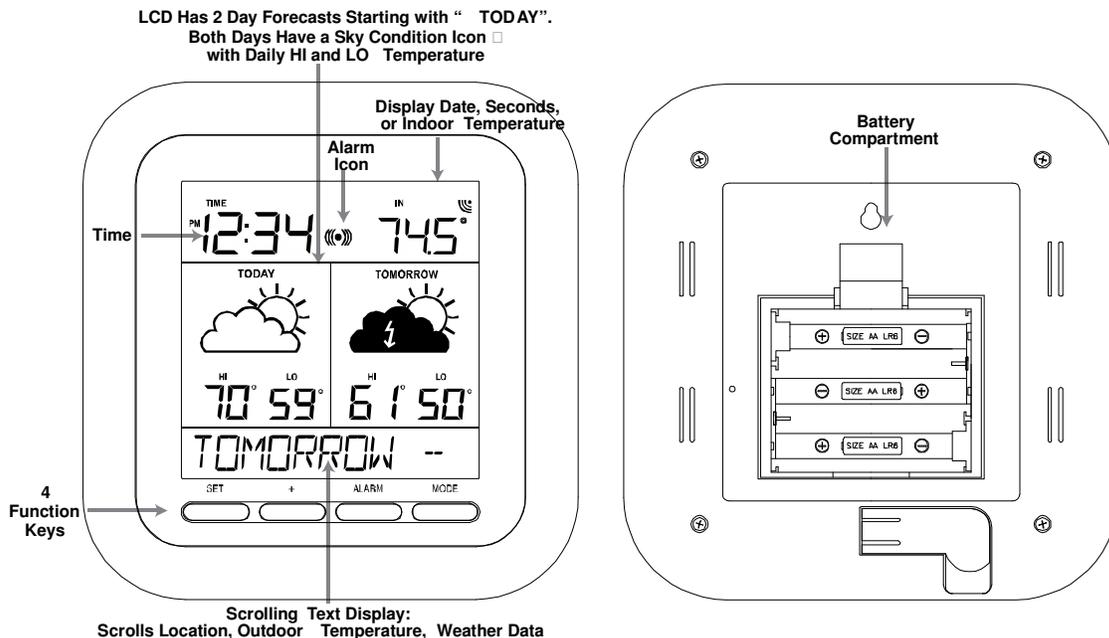
**Forecast Settings for Wireless Display**

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 4 control Keys located on the back of the Wireless Display: “SET”, “+”, “ALARM” and “MODE”. The following information is divided into sections based on the function of each Key.



**“MODE” Key**

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.

**“ALM” Key**

**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

### **“+” Key**

#### **Toggle Between Time, Date & Temperature**

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

#### **View Outdoor Temperature**

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

#### **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 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.

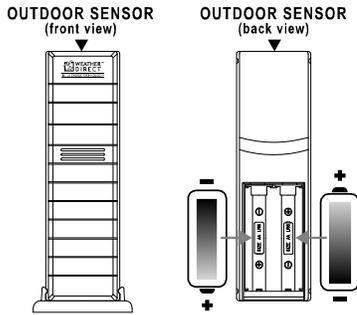
	DAY	NIGHT
Sunny (Clear at night)		
Light cloud		
Mostly cloudy		
Overcast		
Showers (Light rain)		
Showers (Heavy rain)		
Light rain		
Heavy rain		
Storms (Light rain)		
Storms (Heavy rain)		
Heat storms		
Sleet showers		
Snow showers (Light snow)		
Snow showers (Heavy snow)		
Sleet		
Light Snow		
Heavy Snow		
Snow storms (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.

### Optional TX50 Outdoor Temperature Sensor

Once the forecast is showing on the WD-2512URB display, insert Batteries into the optional outdoor sensor and place 5-10 feet from the display for 15 minutes. Press the "+" 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 "+" Key on your Wireless Display to show the outdoor temperature at any time. The outdoor temperature will scroll on the bottom of the LCD.

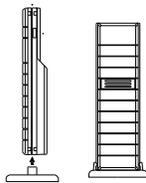
### Hardware Installation

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

### Optional Wireless Outdoor Sensor- Installation Options

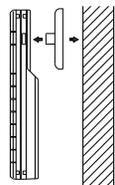
- ★ **NOTE:** Move the Wireless Outdoor Sensor into its intended location and wait for 10 minutes to make sure the Wireless Display is still receiving the outdoor temperature. Press the "+" Key on your Wireless Display to show the outdoor temperature. If the display shows - , -F for the outdoor temperature, 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 2-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 "+" key at any time to view the outdoor temperature.*

### Add Optional Secure Weather Gateway

- The Weather Gateway Delivers the Full Weather Direct Experience, Eliminating the Need for the USB Transceiver. The Weather Gateway Connects to Your Network Router with the Included LAN Cable to Send Secure Wireless Forecasts Up to 330 Ft away to the Wireless Display Around the Clock, Providing the Most Current Information Available without Turning on a TV or Computer.
  - Powered by Included AC Adapter
  - LAN Cable Included to Connect to Network Router
  - Wireless Display Will Now Show Specific Forecasts for Each Morning, Afternoon, Evening and Night for Today and Tomorrow

The Secure Weather Gateway Increases the System's Wireless Range from 100 Ft to 330 Ft and Allows Your Current Wireless Display to Accept Additional Expansion Options:

- Add Forecast Alerts:  
Receive a Text Message or Email Alert When the Chance of Rain/Snow, HI/LOW Humidity, or HI/LOW Outdoor Temperature is Outside of Your Desired Range. The Wireless Display Will Also Sound Audible Alarms.
- Add 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 for up to three locations. Even be alerted via e-mail or SMS text message when you are away from your Wireless Display.

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 system

## 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:

Right click on the USB ERF Gateway icon (Blue Square with sun) in the lower right hand corner of your screen. Select the option to "Exit". Connect to the internet (if not already). Go to Start|Programs|USB ERF Gateway to re-open the software. Press the + button to update the forecast. USB gateway data reception can also be improved by consulting power management instructions. <http://weatherdirect.com/pdfs/help/Windows%20Power%20Management.pdf>

## 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. 
- When the batteries need to be replaced in the Wireless Display, the LCD will display the "RX" icon. 

### 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 2 Years

Wireless Display (with Severe Weather Alerts Activated): Up to 15 Months

Optional Wireless Outdoor Sensor: Up to 2 Years

#### **Dimensions**

Wireless Display: 5.18" L x 1.13" W x 5.56" H

Wireless USB Transceiver: 3.22" L x .36" W x .89" H

Optional Wireless Outdoor Sensor: 1.5" L x .83" W x 5.05" H

#### **Weather Direct® LITE Update Rate**

Every 6 Hours

#### **Weather Direct® LITE Wireless Range**

Up to 100 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: 3 "AAA" **Alkaline** Batteries (not included)

Wireless Gateway: Included AC Adapter & LAN Cable

Optional 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-2512 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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