

# **Quick Start Guide**

## **New Mountain NM-100/PB100**

Follow the instructions on this page to quickly access real-time weather data via the Weather View 32 software.

Before proceeding, read the Installation section of the User Guide.

Make the required serial connections between the computer and the weather station *using the cable supplied* by the weather station manufacturer.

Start Weather View 32. The first screen displayed appears only the first time Weather View 32 starts. This screen allows Weather View to setup the database structure for your weather data. After the database structure has been created, the Weather View 32 STARTUP screen displays.

Choose the **Setup** menu and select the **Weather View Properties** menu item. Enter the ID for your station in the **Station ID** text box. Enter in the latitude and longitude of your location. Select the climate data station nearest your location.

Choose the **Sensors & Units of Measure** tab. Use the drop down list boxes to select your preferred units of measure for the various sensors. These settings determine how your weather information is formatted for display by Weather View 32.

Determine which sensors are physically installed on your weather station. Check mark each sensor that is available and functional on the weather station. If you wish to assign a different ID to a particular installed sensor, highlight the installed sensor and type the name in the **Display Identifier** text box.

Select which temperature and humidity sensors to assign for use in calculating wind chill, dew point, and heat index.

Choose the **Connection** tab. Select the COM port on your computer the weather station communicates via. Select the baud rate for serial communications between the weather station and your computer. Select **Close** to exit from **Weather View Properties**.

When using a **USB to Serial Adapter**. After installing the adapter, go to My Computer and right-click. A menu appears, choose Properties, Hardware tab, and click on the Device Manager. When the list appears, find the Ports list item. Change the + to a — in front of the Ports item by clicking on the + sign. The list will show the computer's active Communications Port. The USB to Serial Adapter is typically listed as "USB to Serial Bridge (Com 4)". Manually enter the Com Port number on the Weather View 32 **Connection** tab (Communications Port) setting, then select Close to leave this window.

Weather View 32 is configured for use. Select the **Monitor Weather Now** menu item. Observe the status bar located along the bottom of the Weather View 32 display screen. The far left item details the progress Weather View makes while connecting to your weather station. After some housekeeping is completed, Weather View displays the Real-Time Monitoring screen.

For further information on configuring your Real-Time Monitoring display, setting alarm conditions, and using the reporting features of Weather View 32, see the User Guide.

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**Weather Station Properties.**

**Temperature/Pressure Calibration Tab.**

Weather Station Properties

Temperature/Pressure Calibration

Sensor Calibration

If you find that the Barometric Pressure or Temperature readings being reported by the Weather Station are in error, You can enter a correction factor (Offset) below.

Set Barometric Pressure Offset InHg (If Any).

0.00

-1.0 InHg+10.0 InHg

Set Outside Temperature Offset °F (If Any).

0.0

-10.0 °F+10.0 °F

Close

If you need to **adjust the reported outside temperature or barometric pressure** do so here.

Manipulate the sliders to enter the desired values.

**DDE Link Data.**

Application=wvddde  
Link Topic=wvdata  
Specific Item data follows below. For Any Items with the format =xyz the link item is to the left of =.

outside_temp	heatindex	wind_direction
windchill	outside_humidity	instant_wind speed
dewpoint	pressure	avg_1_min_windspeed
		peak_gust_cur_min