Davis Instruments 6100

Davis WeatherLink® Live Model 6100 Instruction Manual

Brand: Davis Instruments | **Model:** 6100

1. INTRODUCTION

The Davis WeatherLink® Live Model 6100 is a device designed to collect and stream weather data from various Davis Instruments sensors to the WeatherLink Cloud. This allows users to access real-time and historical weather information through the WeatherLink app or website. The device supports a wide range of sensors and offers flexible connectivity options, including Wi-Fi and Ethernet, making it a central hub for your personal weather network.
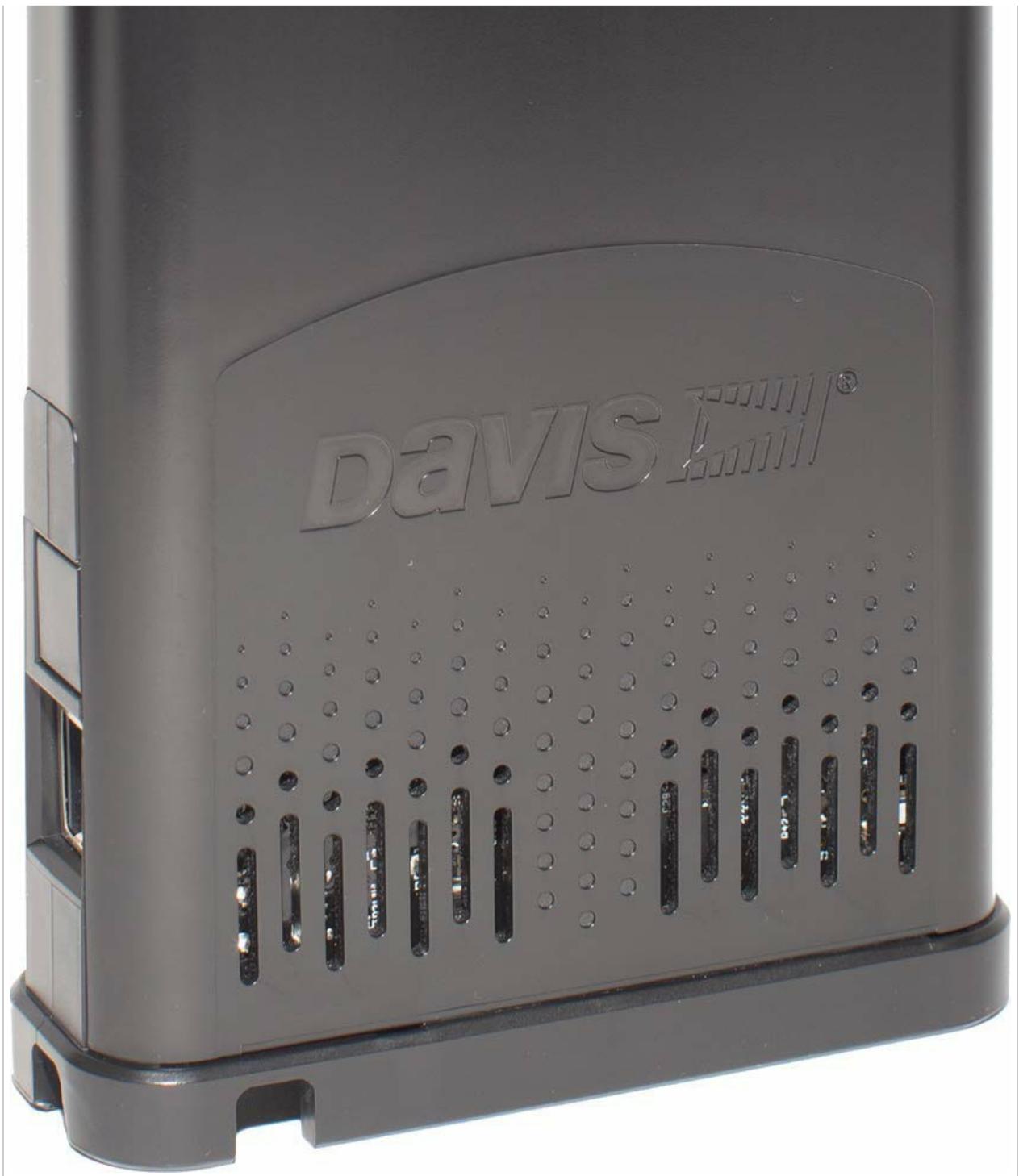
Figure 1: Davis WeatherLink Live device.

2. WHAT'S IN THE BOX

Upon unboxing your WeatherLink Live, ensure all the following components are present:

- WeatherLink Live Unit
- USB Power Cable
- AC Adapter
- Ethernet Cable
- Quick Start Guide (not included in this manual)

Figure 2: WeatherLink Live unit and included accessories.

3. SETUP INSTRUCTIONS

Follow these steps to set up your WeatherLink Live device:

1. **Download the WeatherLink App:** Search for "WeatherLink" in your device's app store (available on Google Play and Apple App Store) and install it.

2. **Power Up the Device:** Connect the USB power cable to the WeatherLink Live unit and then to the AC adapter. Plug the AC adapter into a power outlet. The device will power on automatically.

3. **Connect via Bluetooth:** Open the WeatherLink app on your smartphone or tablet. Navigate to the 'Accounts' section and tap the 'Add' button next to 'WeatherLink Live'. Follow the on-screen prompts to connect to your WeatherLink Live unit via Bluetooth. Ensure your phone is near the device and Bluetooth is enabled.

4. **Name and Configure:** Within the app, you will be prompted to name your WeatherLink Live device and configure basic settings such as archive rate.

5. **Select Internet Connection:** Choose your preferred internet connection method: Wi-Fi or Ethernet. If using Wi-Fi, select your network and enter the password. If using Ethernet, connect an Ethernet cable from the WeatherLink Live unit to your router.

6. **Add Weather Stations and Sensors:** Once the WeatherLink Live is installed, proceed to add your existing Davis Instruments weather stations (e.g., Vantage Vue, Vantage Pro2) and other compatible sensors through the app.

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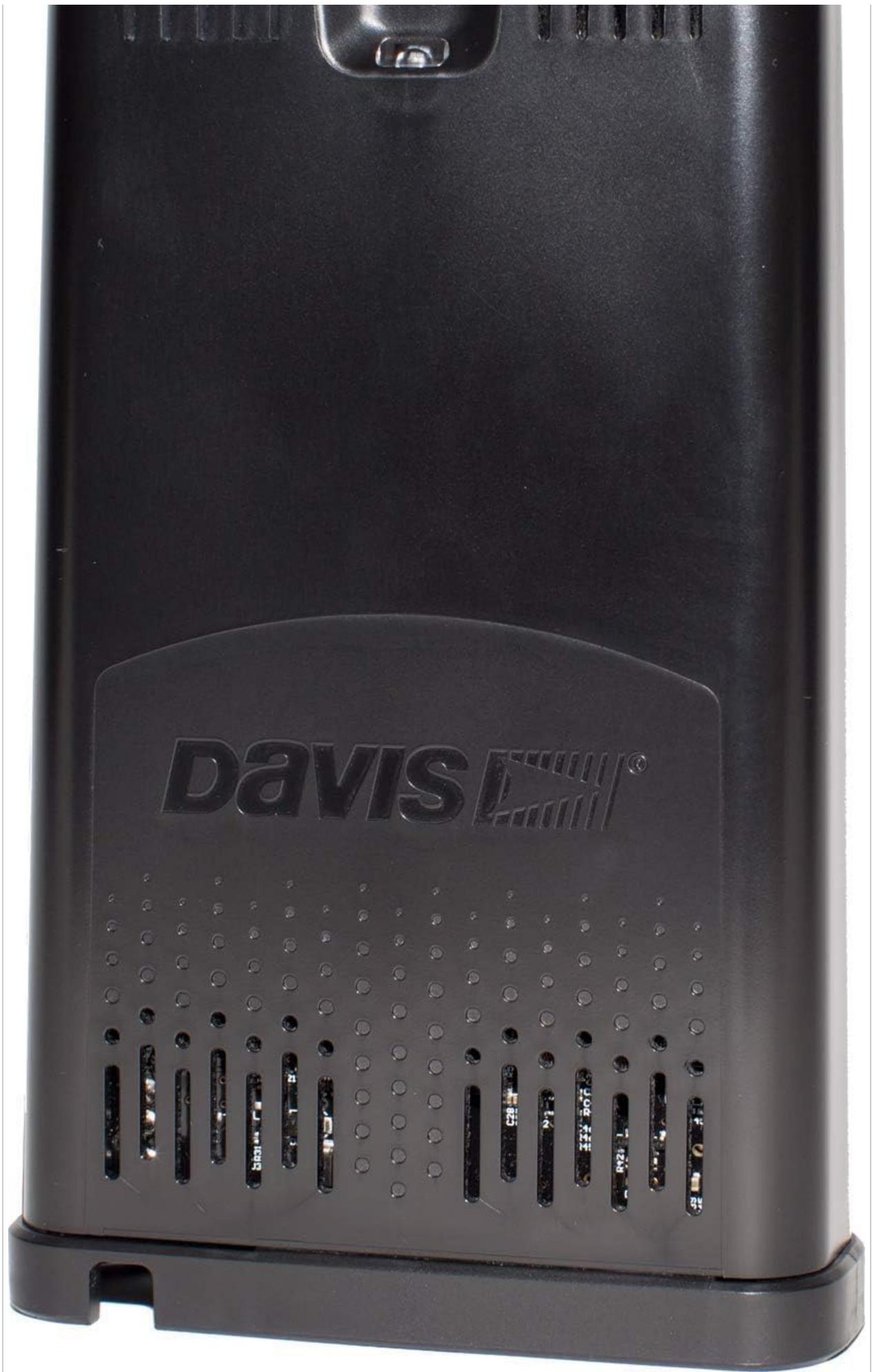*Video 1: Official setup guide for the WeatherLink Live device, demonstrating the initial installation process.*

Figure 3: Rear view of WeatherLink Live with connectivity ports.

4. OPERATING INSTRUCTIONS

After successful setup, your WeatherLink Live will continuously stream data to the WeatherLink Cloud. You can access and manage your weather data using the following methods:

- **WeatherLink App:** Use the mobile application to view real-time data, historical graphs, forecasts, and manage your sensors. The app allows for easy analysis and comparison of various weather parameters.
- **WeatherLink.com:** Access your data through the WeatherLink website for a more comprehensive view, advanced analysis tools, and data sharing options.
- **Smart Home Integration:** WeatherLink Live is compatible with Amazon Alexa and Google Assistant, allowing you to query your weather data using voice commands.

Figure 4: Accessing WeatherLink Live data on a laptop and smartphone.

5. MAINTENANCE

To ensure optimal performance and longevity of your WeatherLink Live device, consider the following maintenance guidelines:

- **Cleaning:** Periodically wipe the device with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive materials.
- **Power Source:** The device is primarily powered by the AC adapter. It requires 4 AA batteries (not included) for backup power during outages. Replace these batteries annually or as needed to ensure continuous operation.
- **Firmware Updates:** Regularly check the WeatherLink app or website for firmware updates for your WeatherLink Live unit. Updates often include performance improvements and new features.
- **Environmental Conditions:** Place the device in a location that is protected from extreme temperatures, direct sunlight, and moisture to prevent damage.

6. TROUBLESHOOTING

If you encounter issues with your WeatherLink Live, try the following troubleshooting steps:

- **No Data Streaming:**
    - Check if the device is powered on and the power indicator light is active.
    - Verify your internet connection (Wi-Fi or Ethernet) is active and stable.
    - Ensure your sensors are properly connected and transmitting data to the WeatherLink Live unit.
    - Restart the WeatherLink Live device by unplugging and re-plugging the power adapter.

- **App Connectivity Issues:**
    - Ensure your smartphone's Bluetooth is enabled during initial setup or when adding new devices.
    - Check that the WeatherLink app is updated to the latest version.
    - Try force-closing and reopening the app.

- **Inaccurate Readings:**
    - Verify that your external sensors are installed correctly and are free from obstructions.
    - Ensure the WeatherLink Live unit itself is in an appropriate location, away from heat sources or direct drafts if internal sensors are being used.

For persistent issues, refer to the comprehensive support resources on the Davis Instruments website or contact their customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	6100
Dimensions (L x W x H)	13 x 7 x 3 inches
Item Weight	0.01 ounces
Connectivity Technology	Wi-Fi, Ethernet
Power Source	AC Adapter (main), 4 AA batteries (backup, not included)
Transmission Distance	Up to 1,000 ft. (300 m)
Sensor Capacity	80+ connected sensors, 10+ different sensor types, listens to 8 transmitters
Temperature Reading Accuracy	±0.5°C
Upper Temperature Rating	60°C
Material	Plastic

8. WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the official Davis Instruments website

or the warranty card included with your purchase. For technical support, FAQs, and additional resources, visit the Davis Instruments support page online. You can also contact their customer service directly for assistance with setup, operation, or troubleshooting.

Thank you for choosing Davis Instruments WeatherLink® Live.