



Outdoor Elements Mobile App Guide: Connect via Wi-Fi or Bluetooth and Easily Operate Your Pergola





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Email info@outdoorelementsusa.com | Call 855(430-8722)
Contact your local Outdoor Elements Dealer





These instructions walk you through setting up the Outdoor Elements Mobile Application to connect via Wi-Fi or Bluetooth. Once configured, you can control your louvered roof system by adjusting louver positions, managing integrated lighting, and using optional environmental sensors for enhanced automation.

Required Materials:

- **Hardware Requirements:** Outdoor Elements louvered roof system with a fully installed and powered control board (320W / 20 Volt power supply, 20 AMP dedicated circuit, every two zones). Wi-Fi function available for systems purchased after 08-01-2025. Previous modules have only Bluetooth capability.

- **Safety:** Ensure all electrical connections comply with local codes and are performed by a licensed electrician. Do not attempt to access the control board during setup if power is active.

- **Mobile Device Requirements:** iOS (version 13.0 or later) or Android (version 8.0 or later) device with Bluetooth 4.0+ and Wi-Fi capabilities.

- **Network Requirements:** Stable 2.4 GHz Wi-Fi network (WPA2/WPA3 encryption recommended) for remote access; Bluetooth range (approximately 30 ft/10 m from the Outdoor Elements control module). An internet connection is required for functionality.

Tools Needed: Smartphone, Wi-Fi network credentials, and controller code.

Account Requirements: Valid email address (required for app account setup and system access).

Where to Locate Control Code: There are three places to locate the four-digit control code.

1. Product user manual
2. Inside cover of the control box
3. On the control board itself

Product User Manual

App Code:

b

d

f

q

Inside Cover of the Control Box

Assembly Packet



APP Code: **bdfq**



How to Download and Install the Outdoor Elements Gen-2 App:

Go to the Apple App Store (for iOS) or Google Play Store (for Android) and search for “Outdoor Elements.”

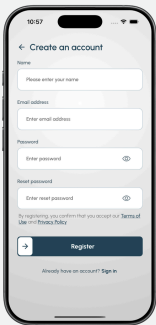
If you can't locate the app, please visit www.outdoorelementsusa.com to download it. You'll find the link at the bottom of the page. Select the app that corresponds to your phone, then open the app after installation.

An internet connection is required for setup and use.



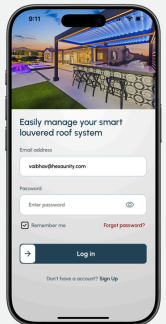
Step 1:

If you don't have an account, you will need to create one. At the bottom of the login screen, there is a prompt to create an account, select (create login) and follow the prompts. A verification code will be sent to your email address, so please use an email you have access to.



Step 2:

The app will automatically return to the login screen, please use your email and create a password to log into the app.

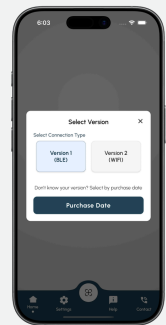


Step 3:

You will be prompted to allow “Outdoor Elements” to use your location. This permission is required for device setup and connection. The system uses location services to detect and connect to nearby devices.

- Select “**Allow While Using App**” to continue
- If you select “**Don't Allow**,” the system will not be able to connect to your device

Note: Location access is only used for device discovery and setup.

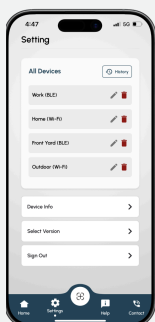


Step 4:

Select your system version:

- **Version 1 (Bluetooth)** – For systems purchased before January 8, 2025
 - Uses Bluetooth connection only
- **Version 2 (Wi-Fi)** – For systems purchased on or after January 8, 2025
 - Supports Wi-Fi connectivity

Tip: Check your purchase date if you're unsure.



Step 5:

You will be prompted to add a device.

Step 6:

Add your device:

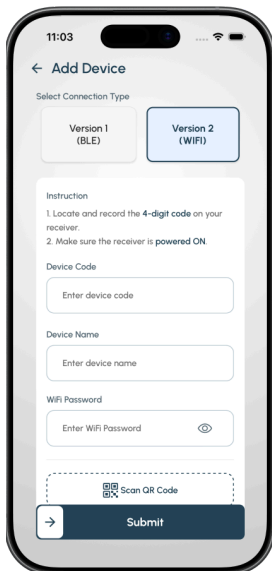
Enter the required information to connect your system:

Controller Code

Enter the 4-digit code to connect your device. The code can be found in:

1. Product User Manual
2. Inside cover of the control box
3. On the control board

Device Name: Add a name to easily identify and remember this device.



Step 7:

Complete Setup:

Choose the connection method based on your system:

Wi-Fi Setup

- Enable Wi-Fi on your mobile device
- Ensure location permissions are enabled to discover and connect to nearby devices
- Enter the password for your Wi-Fi network
- Ensure your mobile device is connected to a **2.4 GHz Wi-Fi network**

After Connection

Once connected, the app will display the control interface. You can:

- Adjust louver positions
- Modify lighting (RGB color and dimming)
- Enable automation features (if available)

Remote Access

- Ensure both your mobile device and system are connected to the internet
- Test remote access using mobile data or another network

Bluetooth Setup

- Enable Bluetooth on your mobile device
- Stay within range (approximately 30 ft / 10 m)
- The app will connect directly to your control module

Note: Remote (internet) access is only available on Wi-Fi-enabled systems (January 8, 2025 and later)

Additional Note: To add more systems, repeat this process for each system, using its unique 4-digit controller code and assigning a different device name.



Post-Setup Validation

- **Verify connection and functionality:**
 - **Bluetooth (BLE) device:** within 30 ft of the Control Box location.
 - **Wi-Fi device:** Distance and location should not be a factor.
- Confirm remote control functionality via an internet connection.
- Test sensor integration (if applicable) by simulating conditions (e.g., triggering the rain sensor or wind sensor).
- You can view system resources (such as warranty information and manuals) in the app's Help section.



Troubleshooting: Device Connection & Pairing Issues

1. Check the LED Status on the Board:

- ● Yellow – Waiting for connection | ● Green – Connection established | ● Red – Device not ready for connection

2. Power Cycle the Board:

- Turn the board off and back on, then wait about 1 minute for the device to restart.

3. If the LED is Yellow ● (Waiting for Connection):

- Add the device again in the app and ensure your phone is connected to the correct Wi-Fi network. Confirm the network is reachable and supports 2.4 GHz. Once the device is found, the LED should change to Green and appear in the device list.

4. If the LED is Green ● :

- The device is already connected to Wi-Fi; verify that the 4-digit device code entered is correct.

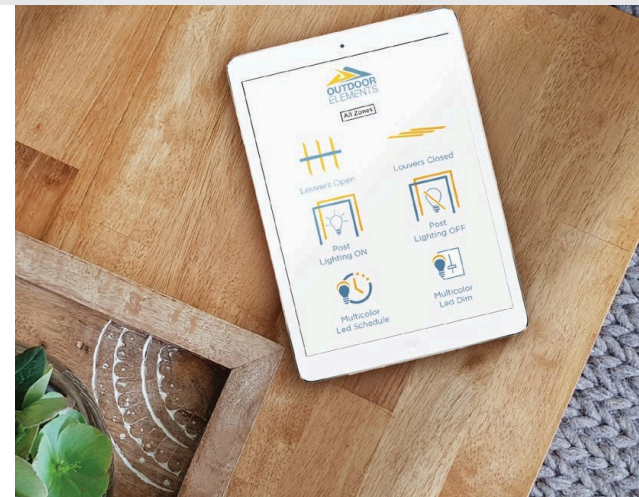
5. Final Verification:

- If the LED is Green and the device code is correct, the device is properly connected and should work as expected.

- **Pairing Failure:** Ensure Bluetooth/Wi-Fi is enabled, the control board is powered, and the correct controller code is entered. Could you restart the app and power cycle the system?
- **Wi-Fi Connection Issues:** Verify the home network is 2.4 GHz (5 or 6 GHz is not supported). Use a Wi-Fi extender if the signal is weak near the control board.
- **App Errors:** Update the app to the latest version. Clear the app cache or reinstall. If issues persist.
- **Sensor Malfunctions:** Confirm wire connection is secure, and wire installation is correct on the control board and sensor, consult OE assembly manual.
- **Support:** Contact Outdoor Elements technical support at 855-430-8722 or info@outdoorelementsusa.com for firmware updates, advanced diagnostics, or persistent issues.

Security Considerations

- Use a strong Wi-Fi password and ensure the network uses WPA2/WPA3 encryption.
- Avoid sharing account credentials; use the app's sharing feature to grant access to additional users.
- Regularly update the app to address security vulnerabilities.
- Consult the Outdoor Elements website (<https://outdoorelementsusa.com/smart-pergola-control-app>) for the latest documentation or firmware updates.





Operating Your Pergola in the Outdoor Elements Mobile App



Operating Your Pergola in the Outdoor Elements Mobile App

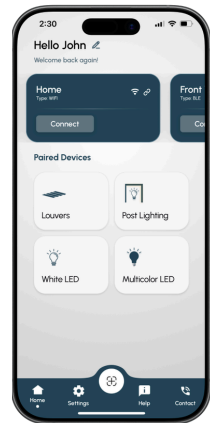


Operating Your Pergola in the Outdoor Elements Mobile App:

1. From the main screen, select the Home icon (bottom-left corner) to access the feature control menu.
2. Select the desired feature (e.g., Louvers, Post Lighting) to proceed.
3. For each feature, choose the applicable zone(s) for control:

- **Louvers and Post/Accessory Lighting:** Select individual zones (1 through 6).
- **White LED and Multicolor LED Lighting:** Select grouped zones (1–2, 3–4, or 5–6) due to hardware control limitations.

Note: Zone selection must precede any command. Ensure the control board is powered and connected (via Wi-Fi for remote access or BLE for local control). If zones are unresponsive, refer to the Troubleshooting section.



Feature Operation: Louver Control:

How to adjust the position, lock status, or schedule of louvered roof slats for shade, ventilation, or weather protection.

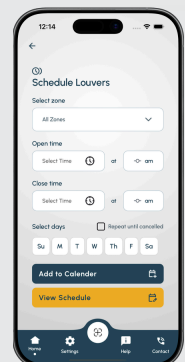
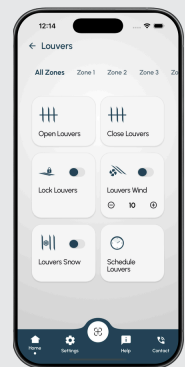
Procedure:

Select Louvers from the Home menu and choose the target zone(s) (1–6).

Choose from the following commands:

- **Open:** Fully opens louvers to 0° (parallel to the ground).
- **Closed:** Fully closes louvers to seal the roof.
- **Locked:** Locks louvers in their current position. A red border appears around the icon to indicate lock status. Select again to unlock (border disappears).
- **Wind Mode:** Opens louvers to approximately 30° to allow airflow, optimizing for high-wind conditions.
- **Snow Mode:** Opens louvers to approximately 90° (vertical) and locks them to prevent snow accumulation. Select again to unlock (border disappears).
- **Schedule:** Configure automated louver operation based on time, day, or sunrise/sunset. Set open/close times and days via the scheduling interface, then save.

Note: Locked modes override manual and scheduled commands until unlocked.



Post and Accessory Lighting Control:

How to manage the On/Off state, brightness, and scheduling for post-mounted or accessory lighting.

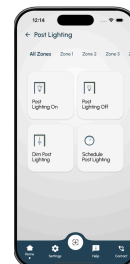
Procedure:

Select the post and accessory and choose the target zone(s) (1–6).

Choose from the following commands:

- **On:** Activates post/accessory lighting for selected zones.
- **Off:** Deactivates post/accessory lighting.
- **Dim:** Adjust brightness using the slider interface (drag up to increase, down to decrease), functioning as a digital dimmer switch.
- **Schedule:** Program automated on/off times based on time, day, or sunrise/sunset. Configure and save via the scheduling interface.

Note: Brightness adjustments apply uniformly to the selected zone group.



White LED Lighting Control:

How to control the On/Off state, brightness, and scheduling for white LED lighting integrated into the louvered roof system.

Procedure:

Select White LED Lighting and choose the target zone(s) (1–6). Individual zone is not supported due to hardware constraints. Choose from the following commands:

- **On:** Activates white LED lighting for the selected zone group.
- **Off:** Deactivates white LED lighting.
- **Dim:** Adjust brightness using the slider interface (drag up to increase, down to decrease), functioning as a digital dimmer switch.
- **Schedule:** Program automated on/off times based on time, day, or sunrise/sunset. Configure and save via the scheduling interface.

Note: Brightness adjustments apply uniformly to the selected zone group.



Multicolor (RGB) LED Lighting Control:

How to control the On/Off state, brightness, and scheduling for multi-color RGB LED lighting.

Procedure:

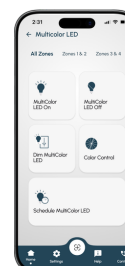
1. Select Multicolor LED Lighting and choose the target zone group (1–2, 3–4, or 5–6).

Individual zone. Control is not supported.

2. Choose from the following commands:

- **On:** Activates RGB LED lighting for the selected zone group.
- **Off:** Deactivates RGB LED lighting.
- **Dim:** Adjust brightness using the slider interface (drag up to increase, down to decrease).
- **Spectra Wheel:** Select a color hue by dragging the cursor around the color wheel. The inner circle displays the chosen shade. Press Confirm to apply the selection.
- **Schedule:** Program automated on/off times and color settings based on time, day, or sunrise/sunset. Configure and save via the scheduling interface.

Note: Color and brightness settings are saved per zone group. Ensure sufficient power allocation for RGB lighting (consult assembly manual).



System Management (Settings):

How to manage multiple louvered roof systems or additional configurations.

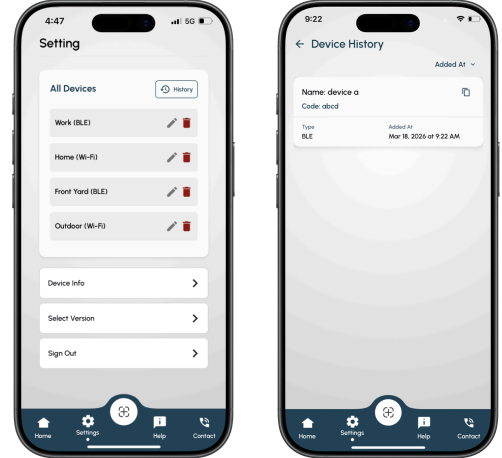
Procedure:

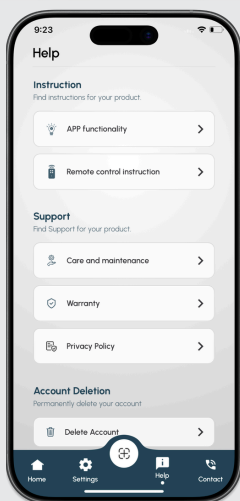
1. Select the Settings icon (at the bottom of the screen).
2. Use the interface to:
 - Add another system (repeat setup instructions for each control board).
 - Manage existing systems (e.g., rename, remove, or update network settings).
 - Configure user sharing for multi-user access (via email invitations).

Device History

You can view the device history to check logs, including when the device was added.

Note: Ensure each system has a unique controller code and is connected to the same Wi-Fi network for remote access.





Support Resources (Help)

How to access documentation and support materials.

Procedure:

1. Select the Help icon (at the bottom of the screen).
2. Access the following resources:
 - **Wi-Fi Control Manual:** Instructions for app-based control of louvers and lighting.
 - **Handheld Remote Manual:** Setup and operation guide for the included remote control.
 - **Care and Maintenance:** Guidelines for cleaning and maintaining the louvered roof system.
 - **Warranty Information:** Details on system warranty terms and conditions.

Notes: Resources are downloadable within the app. Check for updates regularly.

Contact Support

How to obtain assistance for technical issues or inquiries.

Procedure:

- Email: info@outdoorelementsusa.com or call (855) 303-4880
- Contact your local Outdoor Elements dealer for assistance
- Provide system details (controller code, app version, and a description of the issue) for faster resolution
- Fill out the Contact Us form in the app with the required details and submit your request.

