



# LOCAL ELECTRONIC SIGN CONTROLLER

Model: MV ESCONTRL

## Installation & Operational Manual



## Index

Introduction .....	3
Quick Start .....	3
Detailed Instructions .....	3
Step 1: Open Wifi Settings .....	3
Step 2: Select a Wifi Network .....	3
Step 3: Enter the Wifi Password .....	4
Step 4: Confirm Connection .....	4
Step 6: Open a Web Browser .....	4
Step 7: Enter the IP Address .....	4
Setting Sign Schedule .....	4
Default Sign Schedule .....	4
Review currently set times .....	5
Pause Automatic Scheduling for School Holidays, Public Holidays, and Teacher-Only Days, etc.....	5
Switching Back to Automatic Scheduled Mode .....	6
Activate (10 Min) Feature .....	6
Controller Installation .....	7
Supplied Contents .....	7
Indication Description.....	8
Troubleshooting .....	8
Signs not Working .....	8
Unable to connect to device, possible causes. ....	8

## Introduction

The Local Electronic Sign Controller has been developed by Harding Traffic Ltd as a wall-mounted controller designed to manage the operation of our electronic warning signs.

You can use any Wi-Fi enabled device (phone, tablet, laptop) to set-up or manage the schedule and scheduled operation.

The manual override function enables the signs to be activated for 10 minutes at a time, if needed, outside of the scheduled operating hours. Press and hold the Activate (10 Min) button on the controller for 5 seconds to activate this feature. Pressing and holding the Activate (10 Min) button for another 5 seconds will cancel the manual operation.

## Quick Start

The Harding Electronic Warning Sign Controller is configured by connecting to it with any Wi-Fi-enabled device. The controller generates its own Wi-Fi network (SSID), with the network name beginning with **Harding\_SZS\_**. By connecting to this network using the supplied password, you will be able to program the schedule of operation and pause or activate the devices connected to the controller.

Please ensure that the password is kept secure as it controls who can make changes to the device settings. If you have forgotten or misplaced the password, please contact Harding Traffic at 0800 427 346 during normal business hours.

For more detailed instructions, refer to the information provided below

## Detailed Instructions

### Step 1: Open Wi-Fi Settings

- **For Mobile Devices (Android & iOS):**
  1. Swipe down from the top of the screen to access the control panel.
  2. Look for the Wi-Fi symbol and tap it. This will bring you to the Wi-Fi settings.
    - Alternatively, you can access it via the **Settings** app. Navigate to **Wi-Fi** or **Network & Internet**.
- **For Laptops (Windows):**
  1. Click on the Wi-Fi symbol located in the lower-right corner of the taskbar.
  2. Select **Wi-Fi** and open **Network Settings** if needed.
    - You can also find Wi-Fi options under **Start Menu > Settings > Network & Internet > Wi-Fi**.
- **For Laptops (Mac):**
  1. Click the Wi-Fi icon located in the upper-right corner of your screen.
  2. If not connected, choose **Turn Wi-Fi On** to access available networks.

### Step 2: Select a Wi-Fi Network

- Once in the Wi-Fi settings, a list of available networks will appear.
- Look for your network name (**SSID**) in the list beginning with **Harding\_SZS\_**
- Tap or click on the name of the network to proceed.

### Step 3: Enter the Wi-Fi Password

- A password prompt will appear once you select your Wi-Fi network.
- Enter the correct Wi-Fi password in the provided field.
- Once entered, click **Connect** or **Join**.

### Step 4: Confirm Connection

- After a few moments, your device should be connected to the Wi-Fi network.
- Check for the Wi-Fi symbol in the status bar (mobile) or taskbar (laptop) to ensure the connection is successful.

Once connected to the device Wi-Fi, follow these steps to connect to the controller.

### Step 6: Open a Web Browser

- Launch any web browser on your device (e.g., Chrome, Firefox, Safari, Edge).

### Step 7: Enter the IP Address

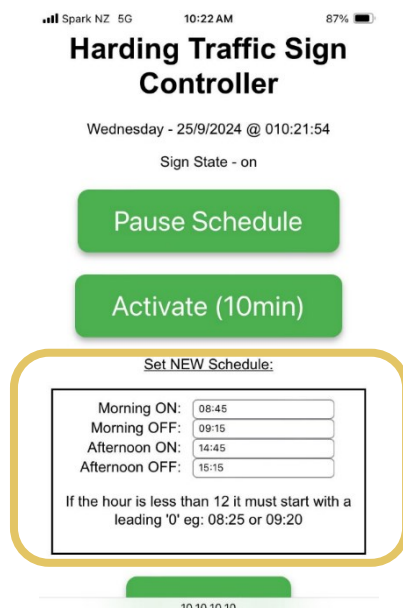
- In the browser's address bar (located at the top of the screen), type the IP address you need to access.
  - The IP address **http://10.10.10.10** and press **Enter**.

After logging in, you will now have access to the device's settings or features.

## Setting Sign Schedule

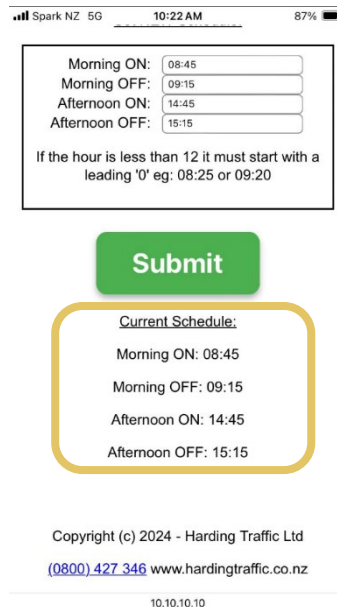
### Default Sign Schedule

- The controller is preset to switch the signs on **Monday to Friday** at the following times:
  - **Morning:** 8:45 am to 9:15 am
  - **Afternoon:** 2:45 pm to 3:15 pm
- If you wish to adjust these times, simply enter your desired **on/off** times in the time sections provided on the settings page and click **Submit**. See image below
  - **Note:** Changing these times will set them as the new default schedule for the signs.



## Review currently set times

Scroll to the bottom of the settings page and you will see the currently programmed scheduled times here. See image below



Spark NZ 5G 10:22 AM 87%

Morning ON: 08:45  
 Morning OFF: 09:15  
 Afternoon ON: 14:45  
 Afternoon OFF: 15:15

If the hour is less than 12 it must start with a leading '0' eg: 08:25 or 09:20

**Submit**

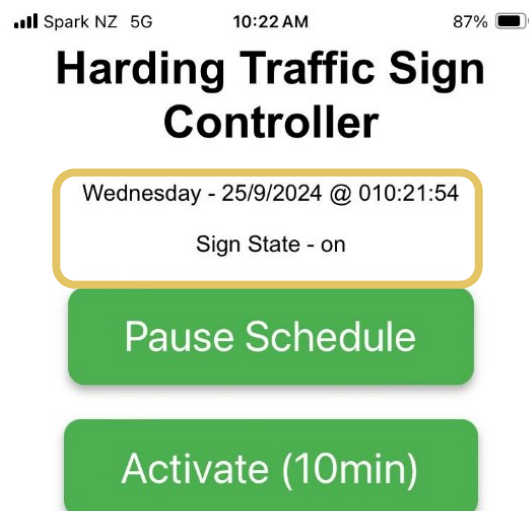
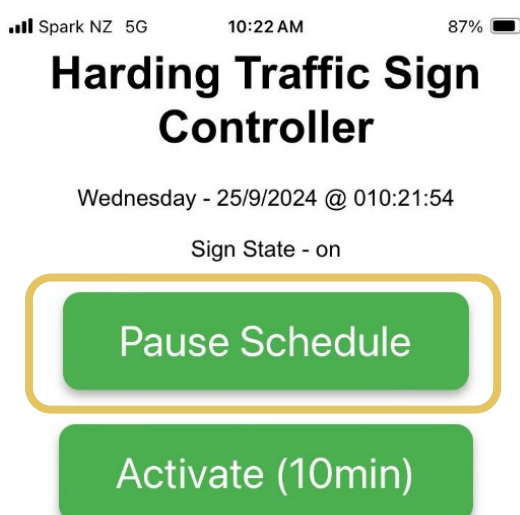
Current Schedule:  
 Morning ON: 08:45  
 Morning OFF: 09:15  
 Afternoon ON: 14:45  
 Afternoon OFF: 15:15

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10.10.10.10

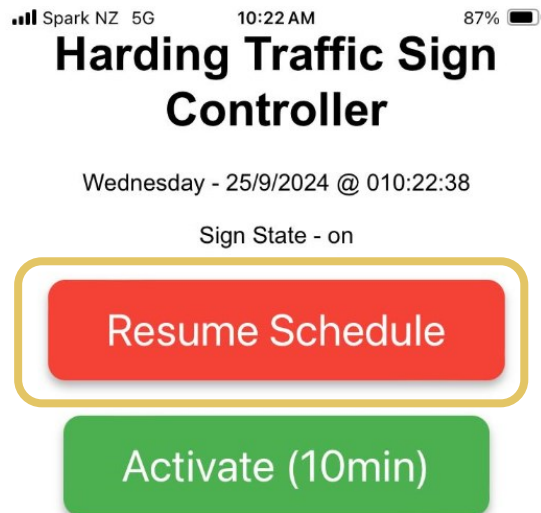
## Pause Automatic Scheduling for School Holidays, Public Holidays, and Teacher-Only Days, etc

- To switch the signs off during school holidays, public holidays, or teacher-only days, select the “**Pause Operation**” option on the controller’s interface.
  - Once in this mode, the **LED light** on the controller marked “Manual Override Mode” will flash **green** every second.
  - You can see the expected sign state hat any time here



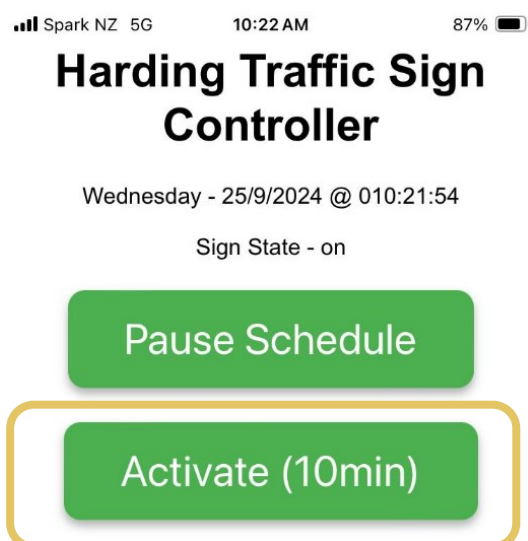
## Switching Back to Automatic Scheduled Mode

- To return the signs to the automatic on/off schedule during the week, select the “**Resume Schedule**” option.
  - This will revert the signs back to the previously scheduled default times.



## Activate (10 Min) Feature

- Selecting the “**Activate (10 Min)**” option will turn the signs on for **10 minutes**. After this period, the signs will automatically switch off and resume their prior state—either following the default schedule or remaining in Pause Operation mode depending on the previous setting. During this period, the LED light will remain a solid green to indicate the signs are in operation under the manual override.
- Alternatively, you can activate the 10minute Manual override option by pressing and holding the Activate (10 Min) button on the controller for 5 seconds.



# Controller Installation



## Supplied Contents



1 x Electronic Sign Controller



1 x 230v AC to 12v DC Power supply



1 x RF Antenna

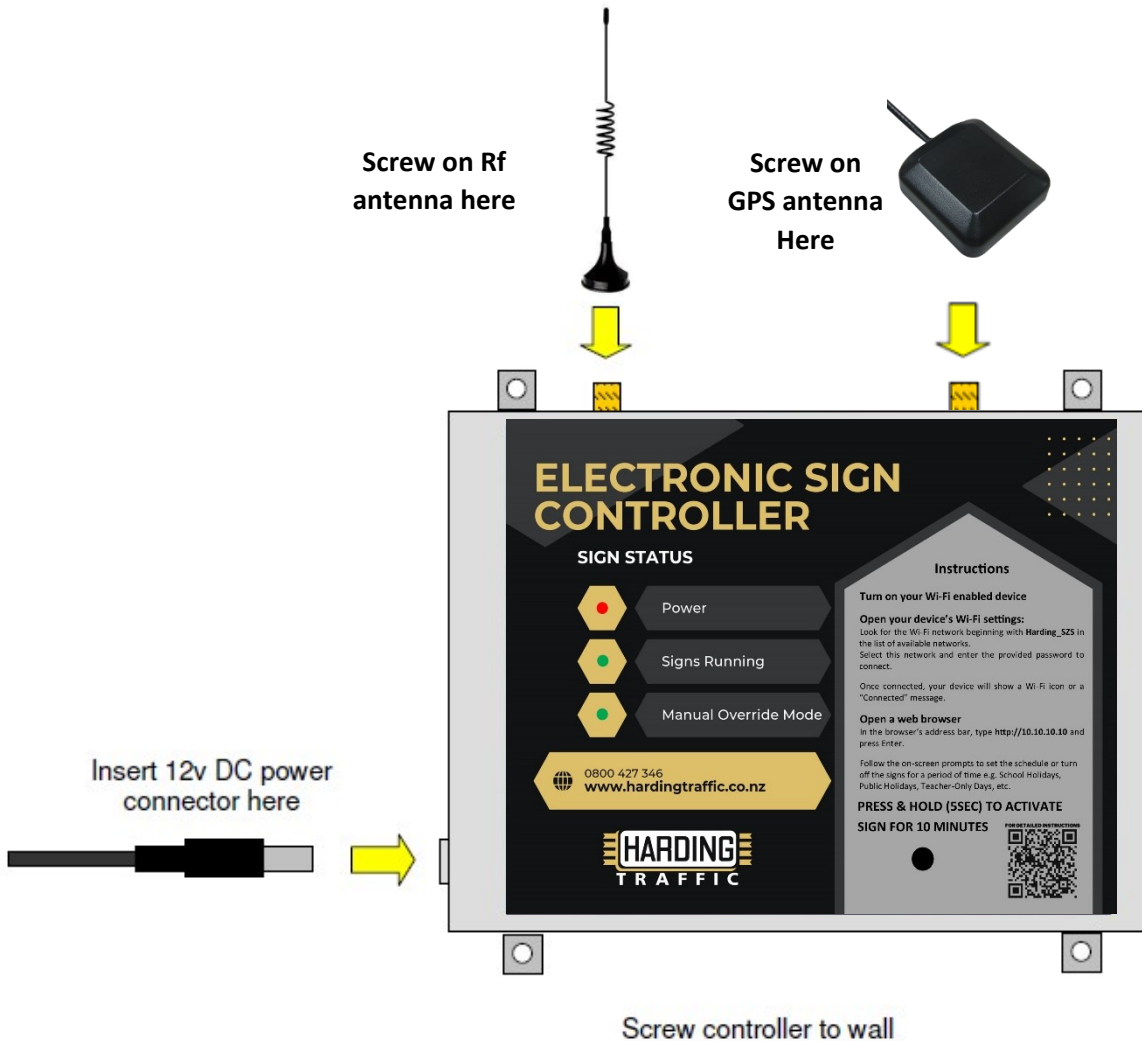


1 x Mounting Bracket



1 x GPS Antenna

Connect the supplied accessories as shown in the figure below.



## Indication Description

1. **Power Light:** The LED will flash when the system is booting up, once a GPS lock is confirmed the LED will go solid indicating that the system is time locked and ready to be used.
2. **Signs Running:** The LED will display a solid green light when the signs are on and running during their scheduled times.
3. **Manual Override Mode / Manual Operation:**
  - When the “**Activate (10 Min)**” button is pressed (for 5 seconds), the signs will activate and run for 10 minutes. During this period, the LED light will remain a solid green to indicate the signs are in operation under the manual override.
  - Pressing and holding the Activate (10 Min) button for another 5 seconds will cancel the manual operation.
  - If the signs are switched to “**Pause Operation**” via the device settings page, the LED will flash every second, signalling that the signs are in “**Pause Operation**” mode and will not follow the programmed schedule.

## Troubleshooting

### Signs not Working

- **Signs not operating:** Check if the power light is on and the "Signs Running" light is illuminated. If both lights are on, the issue is likely with the sign itself, and you should contact the service agent.

If this is not the case, please follow these steps:

- **Power light not on:** Check that the power supply is properly plugged into both the wall outlet and the controller and ensure the wall switch is turned on.

**Note:** The controller takes approximately 1 minute to boot up after being powered on. Please allow time for it to initialize before troubleshooting further.

- Press and hold the **Activate (10 Min)** button for 5 seconds. The "Signs Running" light should turn green, indicating that the manual override mode is active. If the light changes to green but the sign is not operating, please contact the service agent.

If this is not the case, please follow these steps:

- Reboot the device and try again. **Note:** The controller takes approximately 1 minute to fully boot after being powered on. If the issue persists, please contact Harding Traffic for support.

- **Sign Schedule is Incorrect:** Follow the instructions above to connect to the device and adjust the sign schedule as needed. Make sure to review and confirm the correct operating times are set.

### Unable to connect to device, possible causes.

- **Incorrect Wi-Fi Password:** Double-check your password. Ensure you are entering the correct characters.
- **No Network Found:** If the network does not appear, ensure the controller is powered on.
- **Weak Signal:** If you are far from the device, move closer for a stronger signal.
- **Unable to Connect:** If you cannot reach the IP address, ensure your device is connected to the same WiFi network SSID as the controller.
- **Incorrect IP Address:** Double-check the IP address.