

IMPORTANT INFORMATION

FLASHING SIGN SYSTEMS

**Software
Configuration**

**Your guide to connect
and configure your
Flashing Sign
System.**

**No Internet
Connection Required**



Required!

THIS GUIDE APPLIES TO UNITS WITH OR WITHOUT TC-REMOTE CONNECTIVITY If your system was supplied with a TC-Remote Modem, see the section at the end of this manual for its use and operation.

LOCAL SETUP IS REQUIRED FOR MODEM EQUIPPED SYSTEMS

NOTE:

Once power is applied to the controller, TC Connect will be active for 2 hours. Should additional time be needed or if future changes need to be made - reset power by carefully removing the POWER CONNECTION TERMINAL. After 20 seconds re-insert. Refer to your Flashing Sign Installation Manual for connection details.

Contents

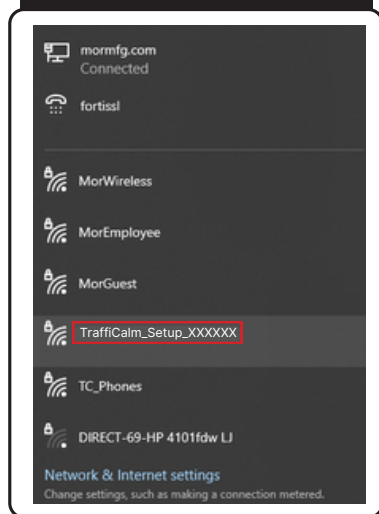
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Connect to the System's Wi-fi

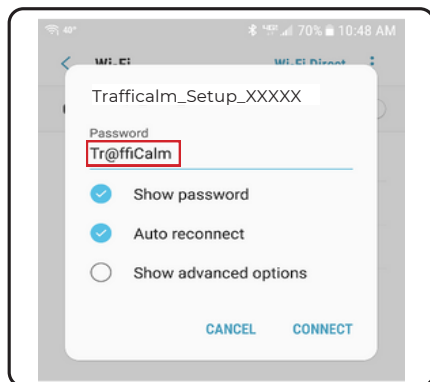
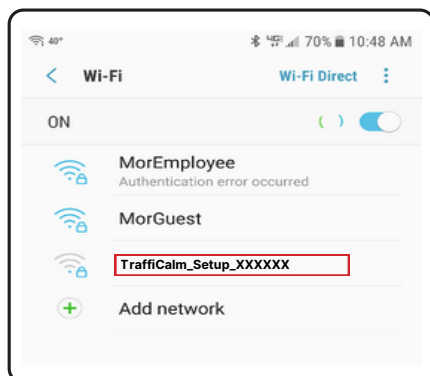
Open to view your Wireless Network Connections on your browser-enabled device.

- Locate and select TrafficCalm_Setup_XXXXXX from the list of available wi-fi networks.
- Enter security key / password:
Tr@ffiCalm (Case-sensitive)
- Select: OK or CONNECT

PC Procedure



Mobile Procedure



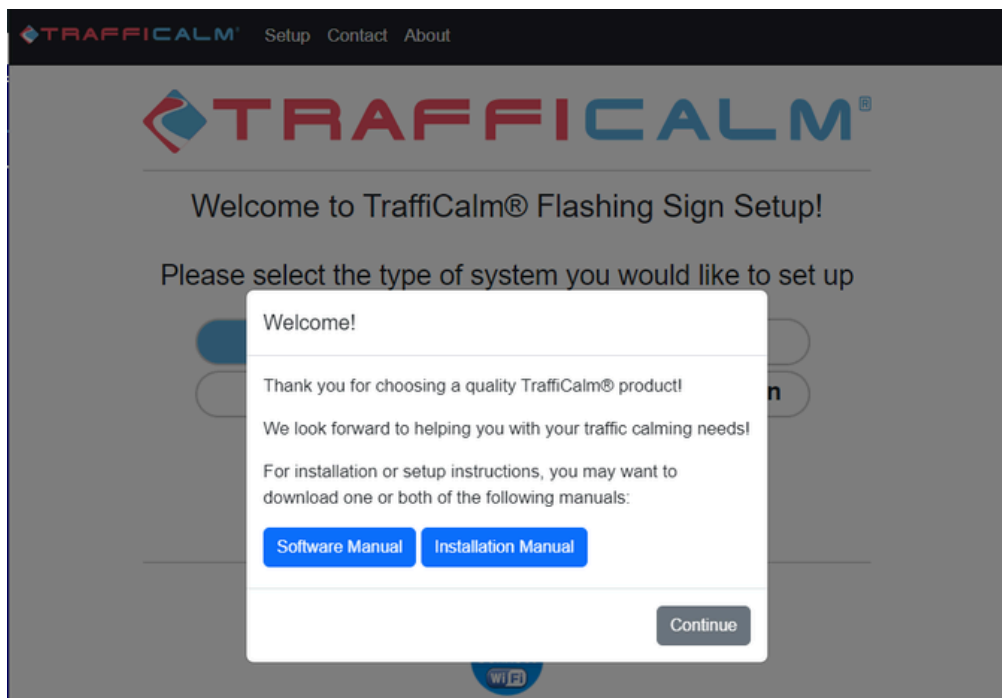
Example panes shown are Windows-Based PC and ANDROID Device
TC Connect is also compatible with Apple devices. (not shown)

You've now connected to the device's wi-fi. Note that the system does not have Internet connection, so your device will likely not be able to connect to web- sites, email, or perform other web-required functions. No Internet connection is required to configure the system. Open your web browser of choice (Chrome, Safari, Edge, etc...) and navigate to:

setup.trafficalm.com

Downloadables

After you get logged in, you'll be given the option to download the software manual (this booklet), the installation manual (the other booklet), or to just continue.



System Selection

If you don't know what system type you'll be utilizing, consult the designer or engineer of the project.

Note: Depending on your selection, the setup utility will adapt accordingly. Jump to the following pages to proceed:

Select system option from the following choices:

- **Push 2 Cross (Pg 6)**
for push-button activated applications (ex. pedestrian crossing)
- **Chevron (Pg 8)**
for sequencing curve warning applications
- **All Flash (Pg 13)**
for all other applications
- **Conflict Intersections (Pg 19)**
Where detections in one direction of traffic affect mobility in an intersecting direction of traffic
- **High Water (Pg 21)**
Where a water sensor or probe activates flashing signs.

The screenshot shows the 'TRAFFICCALM' logo at the top left, with navigation links 'Setup', 'Contact', and 'About'. Below the logo is the heading 'Welcome to TrafficCalm® Flashing Sign Setup!'. A prompt asks the user to 'Please select the type of system you would like to set up'. There are five buttons: 'Push 2 Cross' (highlighted in blue), 'Chevron', 'All Flash', 'Conflict Intersection', and 'High Water Detection'. A 'Save & Continue →' button is at the bottom. The footer includes '© 2024 - TrafficCalm Systems' and a 'Connect Wi-Fi' icon.

***NOTE** for systems not utilizing Collaborators, Radio Communication, or remotely connected devices, set the system up as an ALL FLASH System.

{Push 2 Cross System Setup}

NOTE: if you are not utilizing a Collaborator in your PUSH 2 CROSS system, use the ALL FLASH Setup!

Login

With the system type selected, you will need to log in to ensure security
Enter login password:

Tr@ffiCalm (case-sensitive)

Select: **login**

Login

Password

login

[Forgot Password?](#)

P2C.1 - System Location

Assign and Alias Name to the device to identify it in TC-Remote (if equipped with modem)

System Location

System Location:

ex. NB Curve on Mountain Rd @ MP13

Save & Continue →

P2C.2 - Operating Mode

Three options are given- a standard push button, or audible/talking type button, or where a crosswalk illuminator will be used.

Push 2 Cross

Device Type:

Audible/Talking
Standard
With Crosswalk Illuminator

P2C.3 - Brightness Settings

The system will automatically adjust its brightness output based on sensed ambient light. These settings allow you to tweak the automatic adjustment behavior.

Brightness Settings

Main Flasher Brightness (Wired To Output A or B):

Maximum Brightness Level In Daylight For Main Flashers:

%

Recommended: 100%

Minimum Brightness Level At Night For Main Flashers:

%

Recommended: 10%

Automatic Brightness Adjustment:

Standard - how the system will automatically adjust to lighting
Aggressive - Standard is the default setting. Aggressive may provide a brighter output, but could impact system uptime if ideal lighting conditions are not met.

← Back

Save & Continue →

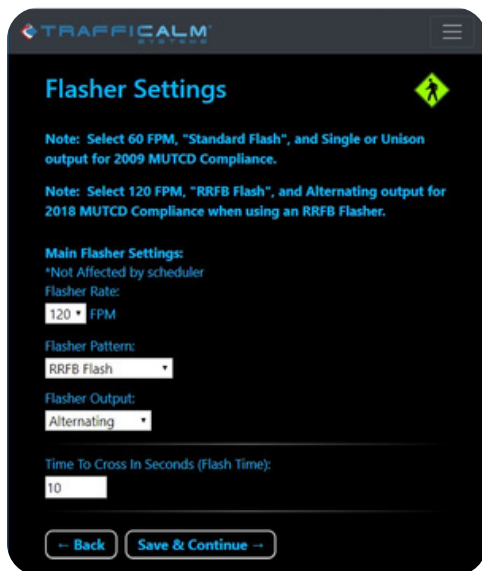
P2C.4- Flasher Settings

Main Flasher Settings

Select flash characteristics that are displayed resulting from a pressed button

Time to Cross in Seconds

Amount of time the system will continue to flash for after the button is pressed

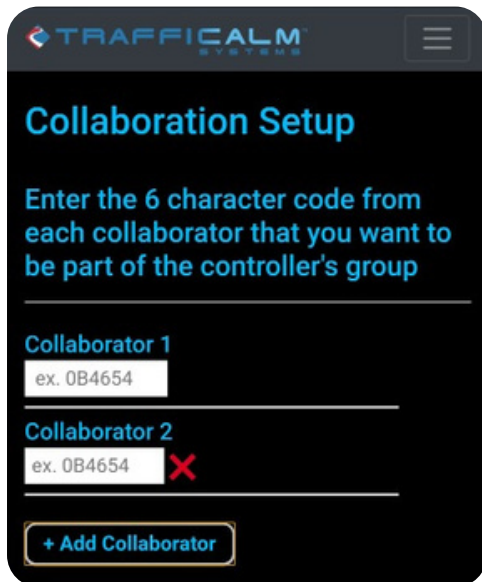


The screenshot shows the 'Flasher Settings' interface for the TRAFFICM SYSTEM. It includes a title bar with the logo and a menu icon. The main content area has a title 'Flasher Settings' and a green arrow icon. Below the title, there are two notes: 'Note: Select 60 FPM, "Standard Flash", and Single or Unison output for 2009 MUTCD Compliance.' and 'Note: Select 120 FPM, "RRFB Flash", and Alternating output for 2018 MUTCD Compliance when using an RRFB Flasher.' The 'Main Flasher Settings' section includes a note '*Not Affected by scheduler'. The 'Flasher Rate' is set to '120 FPM'. The 'Flasher Pattern' is set to 'RRFB Flash'. The 'Flasher Output' is set to 'Alternating'. The 'Time To Cross In Seconds (Flash Time)' is set to '10'. At the bottom, there are two buttons: '-- Back' and 'Save & Continue --'.

P2C.5 - Collaboration Setup

Adding Collaborators

Add Collaborators to the Push 2 Cross group by typing in the 6 digit identifier found on the product label
Add as many connected Collaborators as are installed on the cross walk, do not include the controller or signs connected to other controllers



The screenshot shows the 'Collaboration Setup' interface for the TRAFFICM SYSTEM. It includes a title bar with the logo and a menu icon. The main content area has a title 'Collaboration Setup'. Below the title, there is a text prompt: 'Enter the 6 character code from each collaborator that you want to be part of the controller's group'. There are two input fields for 'Collaborator 1' and 'Collaborator 2'. The first field contains 'ex. 0B4654'. The second field contains 'ex. 0B4654' with a red 'X' next to it. At the bottom, there is a button labeled '+ Add Collaborator'.

This concludes Push 2 Cross Setup

⟨Sequential Chevron System Setup⟩

Introduction to Chevron System Setup

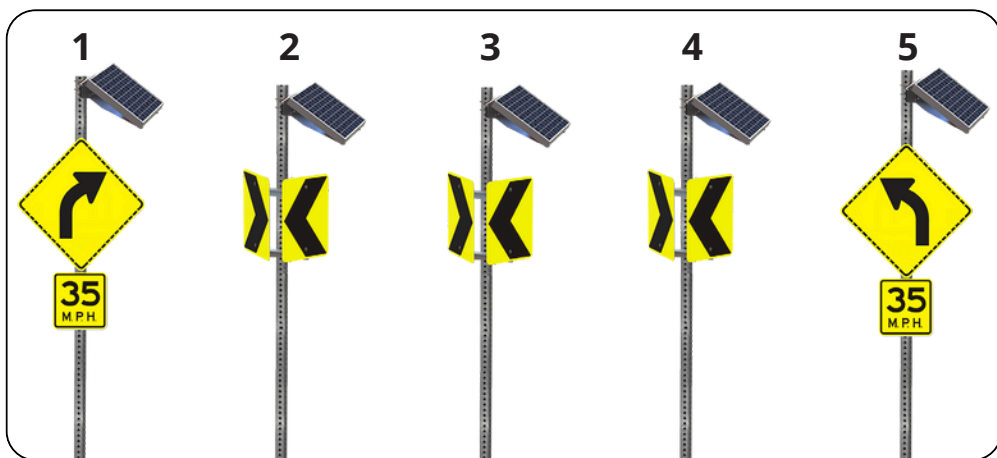
TraffiCalm Flashing Sign System tech is a revolutionary advancement in roadside signage. Given its flexibility, a particularly suiting application is Sequential Chevrons (or advanced curve warning)

These systems can prove complex in their nature, but the TC Connect Setup Wizard makes setup easy

The diagram below displays the most complex application of Sequential Chevrons- radar activation in dual directions

In relation to the setup wizard, each unit will be identified as follows:

- **Unit 1** (Warning Sign): Controller with Radar detector (PN: M75-SA300-RDR0) activates a single warning sign and all chevrons on the left side
- **Units 2, 3, and 4** (Chevrons): Collaborator (PN: M75-SA300-CLBX) repeats sequential activation of either chevron (right and left)
- **Unit 5** (Warning Sign): Collaborator (PN: M75-SA300-CLBX) with Radar detector activates a single warning sign and all chevrons on right side



Notes

The Controller does not need to be in position 1, but it does need to be in the position where a Radar detector is located (1 or 5 in the above example)

When installing, Chevrons sequencing AWAY from the controller must be connected into Flasher A. Chevrons sequencing TOWARD the controller must be connected into Flasher B. Confusion on this point will result in the appearance of sequence malfunction

(Sequential Chevron System Setup)

NOTE: If using Radar, radar needs to be attached before setup or system will not populate Speed options!

Login

With the system type selected, you will need to log in to ensure security
Enter login password:

Tr@ffiCalm (case-sensitive)

Select: **login**

Login

Password

login

[Forgot Password?](#)

Chevron.1 - System Location

Assign and Alias Name to the device to identify it in TC-Remote (if equipped with modem)

System Location

System Location:

ex. NB Curve on Mountain Rd @ MP13

Save & Continue →

Chevron.2- System Operation

Select what activates the flashing or sequencing of the signs flashers.

System Operation

Operating Mode:

- Radar Operated**
- Input Operated
- 24/7
- Day Only
- Night Only
- Radar Operated

Save & Continue →

Chevron.3- Controller Function

Select whether the Controller is connected to a Chevron or not

- Yes** • The Controller is connected to a Chevron
- No** • The Controller is connected to warning sign or no sign

System Configuration

Is the controller attached to a chevron?:

- No
- No**
- Yes

Back

Save & Continue →

(Sequential Chevron System Setup)

Chevron.4- **Brightness Settings**

Warning Brightness

Note that brightness settings directly correlate to battery performance. Optimal settings are suggested

Chevron Brightness

See comments above

Brightness Settings

Warning Sign Brightness:

Maximum Brightness Level In Daylight For Warning Signs:

100 %

Recommended: 100%

Minimum Brightness Level At Night For Warning Signs:

10 %

Recommended: 10%

Chevron Brightness:

Chevron Size:

18" x 24" ▾

Maximum Brightness Level In Daylight For Chevrons:

65 %

Recommended: 40% for 24x30 Chevrons, 65% for 18x24 Chevrons

Minimum Brightness Level At Night For Chevrons:

10 %

Recommended: 7% for 24x30 Chevrons, 10% for 18x24 Chevrons

← Back

Save & Continue →

Chevron.5- **Flasher Settings**

Warning Sign Setup

Speed Required To Activate System

Set to the lowest detection speed required to activate

Activate Curve Ahead Warning

Toggles warning sign activation

Warning Sign Flasher Rate

60 FPM is considered MUTCD compliant, all others are non-compliant

Warning Sign Flasher Pattern

Standard Flash is considered MUTCD compliant, all others are non-compliant

Warning Sign Flasher Output

Selects Flasher Output Channel (A or B)

Chevron Sign Setup

Chevron Flasher Cycle Period

Set how long the sequence will take to complete. Set low for a fast sequence, set high for a slow sequence (dictated by expected road speed)

Chevron Flasher Pattern

Toggles flash settings. Unison flash is considered MUTCD compliant. Set to Sequencing for sequencing function

Flasher Settings

Note: Select 60 FPM (Flashes Per Minute), "Standard Flash", and Single or Unison output for 2009 MUTCD compliance.

Speed Required To Activate the System:

25 ▾

Activate Curve Ahead Warning Sign At This Speed?

Yes ▾

Warning Sign Flasher Rate:

60 ▾ FPM

Warning Sign Flasher Pattern:

Standard Flash ▾

Warning Sign Flasher Output:

Unison Output ▾

Chevron Flasher Cycle Period:

How long it takes a single flash pattern to complete

5 ▾ second(s)

Chevron Flasher Pattern:

Standard Unison Flash ▾

(Sequential Chevron System Setup)

Chevron.5 - Flasher Settings (Cont'd)

Chevron Sign Setup

Excessive Speed Escalation

Set how long the sequence will take to complete. Set low for a fast sequence, set high for a slow sequence (dictated by expected road speed)

Flasher Hold Time

Dictates how long the system will continue flashing after last radar detection.

Speed Required To Activate the EXCESSIVE SPEED ALERT:
When this speed is exceeded, the following settings will be temporarily used, intensifying the warning to drivers
35 ▾

Warning Sign Flasher Rate:
60 ▾ FPM

Warning Sign Flasher Pattern:
Standard Flash ▾

Warning Sign Flasher Output:
Unison Output ▾

Chevron Flasher Cycle Period:
How long it takes a single flash pattern to complete
3 ▾ second(s)

Chevron Flasher Pattern:
Standard Unison Flash ▾

Flasher Hold Time:
The amount of time that the system will repeat its flasher pattern after an activation
10 ▾ second(s) ⓘ

← Back Save & Continue →

Chevron.6 - Collaborators

Chevron Setup

Add Collaborators to the chevron group by typing in the 6 digit identifier found on the product label

Add as many chevron connected Collaborators as are installed on the curve section, do not include the controller or signs connected to Warning signs

Chevron Subset Size

It is possible to “cap” the number of chevrons activated in sequence. Any additional signs will activate simultaneously with another sign. For example- if a group contains 8 chevrons, but the Subset Size is set to 4, units 1 and 5 will activate together, followed by 2 and 6, followed by 3 and 7, followed by 4 and 8. Long curves may benefit from this setting to maintain driver visibility.

Enter the value of the number of signs in a subset.

Chevron Setup

Add Chevrons to the system by entering the 6 character code from each chevron in the physical order in which they are located, starting from the controller

Note: If the controller is attached to a chevron, do not include it in this list

Chevron 1
ex. 0B4654 ▲ ▾ ×
☐ Radar Attached

+ Add Chevron

Chevron Subset Size: 1
Ex. 7 Chevrons with a subset size set to 5 = 1, 2, 3, 4, 5, 1, 2. Each identical number will be lit at the same time.

← Back Save & Continue →

Chevron.7 - Collaborators (cont'd)

Warning Sign Setup

“Warning Sign” Collaborators differ from “Chevron” Collaborators in that they are connected to the warning sign typically found at the entrance to a curve

Add Collaborators to the Warning group by typing in the 6 digit identifier found on the product label

Add as many warning sign connected Collaborators as are installed on the curve section, do not include the controller or signs connected to chevron signs

Warning Sign Setup

Add Warning Signs to the system by entering the 6 character code from each collaborator and selecting where they are located

Warning Sign 1

ex. 0B4654 ▲ ▼ ✕

Warning Sign Location:

Same end as controller ▼ → Same end as controller
Opposite end as controller

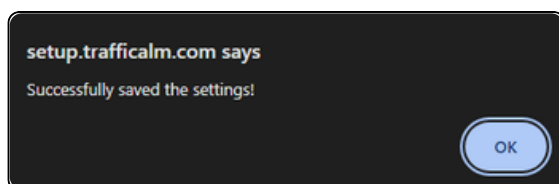
☐ Radar Attached

+ Add Warning Sign

← Back Save & Finish →

Warning Sign Location

Select where the Warning Sign is in relation to the Controller



This concludes Chevron Setup
To learn more about TCRemote connectivity, see page 24

〈All Flash System Setup〉

NOTE: If using Radar, radar needs to be attached before setup or system will not populate option!

Login

With the system type selected, you will need to log in to ensure security
Enter login password:

Tr@ffiCalm (case-sensitive)

Select: **login**

Login

Password

login

[Forgot Password?](#)

All Flash.1 - System Location

Assign and Alias Name to the device to identify it in TC-Remote (if equipped with modem)

System Location

System Location:

ex. NB Curve on Mountain Rd @ MP13

Save & Continue →

All Flash.2- Operating Mode

Select operating mode from the following choices:

- **Input Operated** - Only operates by device wired into Controller or Collaborator Input
- **24/7** - System operates 24/7
- **Day Only** - System operates during ambient daylight hours only.
- **Night Only** - System operates during ambient no light hours only.
- **Radar Operated** - Radar detected operation
- **Input Activated Radar** - Requires activation from both a radar and an input

Operating Mode

Operating Mode:

- 24/7 ▼
- Input Operated
 - 24/7**
 - Day Only
 - Night Only
 - Radar Operated
 - Input Activated Radar

Continue →

Brightness Settings

Maximum Brightness Level In Daylight:

100 %

Recommended: 100%

Minimum Brightness Level At Night:

10 %

Recommended: 10%

Automatic Brightness Adjustment:

Standard ▼

This controls how the system will automatically adjust to lighting conditions. Standard is the default setting. Aggressive may provide a brighter output, but could impact system uptime if ideal lighting conditions are not met.

← Back

Save & Continue →

All Flash.3- Brightness Settings

Flashing Signs automatically adjust to ambient light, however the Brightness Settings can be used to dial in day and nighttime output, and how quickly the sign responds to ambient light.

{All Flash System Setup}

Note for US Customers: The settings below may cause your device to deviate from 2024 MUTCD compliance. Concerning settings are noted in the configuration utility window.

All Flash.4- Flasher Settings

Minimum Speed Required to Flash

(Radar Activation Only)

Select the Minimum Speed (in MPH) from this pull-down menu in which the LED Flashers will begin to flash.

Flasher Rate

Select the FPM (Flash Per Minute) rate of the LED Flasher Rings. Default setting is 60 FPM.

Flasher Pattern

Select the desired Flash Patterns.

- Standard Flash
- Bright Pop-Flash
- Pulse Flash
- Solid On (AC Only)
- RRFB Flash

Flasher Output

Refer to Installation Manual for Wiring Connections

Select the desired Flasher Output.

- **UNISON:** Activates both Flashers or Beacons simultaneously
- **A Only:** Activates Flasher or Beacon wired into Terminal A
- **B Only:** Activates Flasher or Beacon wired into Terminal B.
- **Alternating:** Alternates a flashing sequence between Flashers or Beacons wired into both Terminal A and B.

Excessive Speed Required to Flash:

(Radar Activation Only)

Select the Excessive Speed (in MPH) from this pull-down menu in which the LED Flashers will begin to flash upon detection. The LED Flashers will not activate the settings below this threshold.

The next (3) fields (Flasher Rates, Flasher Output, and Flasher Pattern) will be applied when the Excessive Speed Threshold has been detected

Flasher Settings

Note: Select 60 FPM, "Standard Flash", and Single or Unison output for 2009 MUTCD Compliance.

Minimum Speed Required To Flash:
25

Flasher Rate:
60 FPM

Flasher Pattern:
Standard Flash

Flasher Output:
Unison Output

Excessive Speed Required To Flash:
35

Flasher Rate:
60 FPM

Flasher Pattern:
Bright Pop Flash

Flasher Output:
Unison Output

Flasher Hold Time In Seconds:
10

[← Back](#) [Save & Continue →](#)

Flasher Hold Time:

Input the desired Hold Time (in seconds). This will set the run time of the LED Flashers each time the speed threshold has been met or exceeded.

{All Flash System Setup}

All Flash.5- Collaboration Settings

Each Flashing Sign System consists of a single Controller and one or more Collaborators paired in a group.

Identify the collaborator ID number found behind the solar panel and insert this number in the Collaborator Field.

If “Advanced Settings” are not selected, the Collaborator will Copy Controller Settings as previously set in steps 5 & 6.

Select “+Add Collaborator” if more than one Collaborator is used.

Activation Settings

Advanced Settings allow the user to apply settings independent from those of the Controller.

Flasher Only/Input Activated:

Only listens for commands given by the Controller or directly connected input, but not a radar

Radar Activated

Activates when a radar input is detected

Input/Sensor and Radar Activated

Requires activation from both a radar and an input

Select “Save & Finish”

Collaboration Setup

Enter the 6 character code from each collaborator that you want to be part of the controller's group

Collaborator 1

ex. 0B4654



Flasher Only/Input Activated

Flasher Only/Input Activated

Radar Activated

Input/Sensor and Radar Activated

+ Add Collaborator

← Back

Save & Finish →

Flasher Only/Input Activated

Radar Activated

Input/Sensor and Radar Activated

This concludes All Flash Setup
To configure a schedule, select
scheduling from the top menu,
see page 20

⟨Conflict Intersection System Setup⟩

CIWS.1 - System Location

Assign and Alias Name to the device to identify it in TC-Remote (if equipped with modem)

System Location

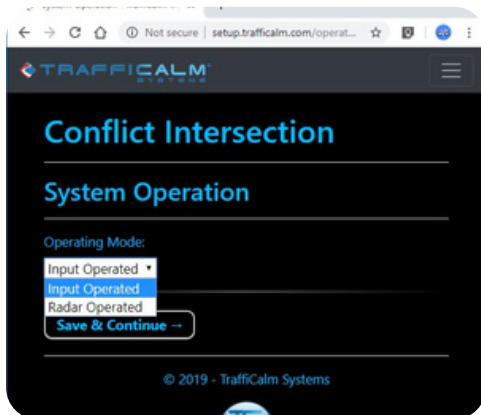
System Location:

ex. NB Curve on Mountain Rd @ MP13

Save & Continue →

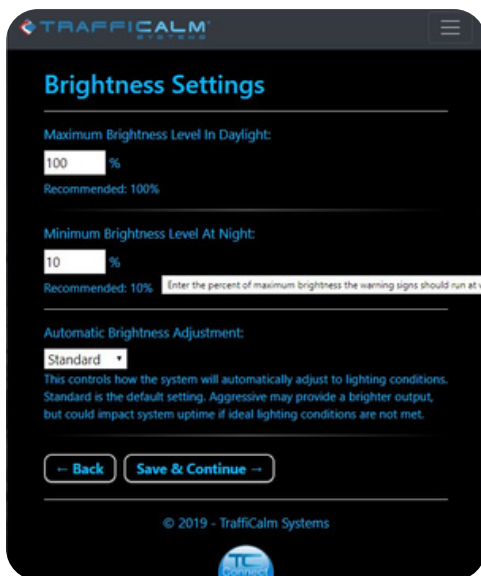
CIWS.2 - System Operation

Select from inputs or radars. Examples of inputs include push buttons, environmental sensors, and height detectors



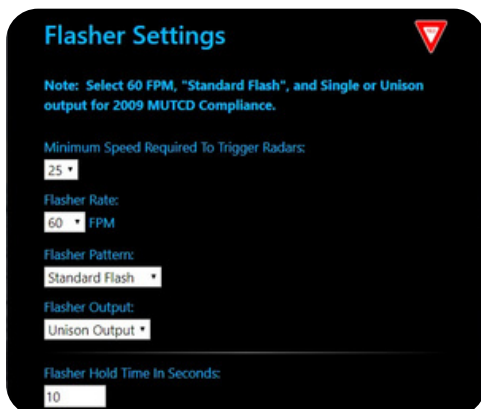
CIWS.3 - Brightness Settings

Select the maximum brightness, minimum brightness, and adjustment method based to best adapt the signage to the installation



CIWS.4 - Flasher Settings

Select a minimum detected speed, flasher rate (flashes per minute), flasher pattern (boring to exciting), and which outputs to fire off with the above settings.



Flasher Settings

Note: Select 60 FPM, "Standard Flash", and Single or Unison output for 2009 MUTCD Compliance.

Minimum Speed Required To Trigger Radars:
25 ▾

Flasher Rate:
60 ▾ FPM

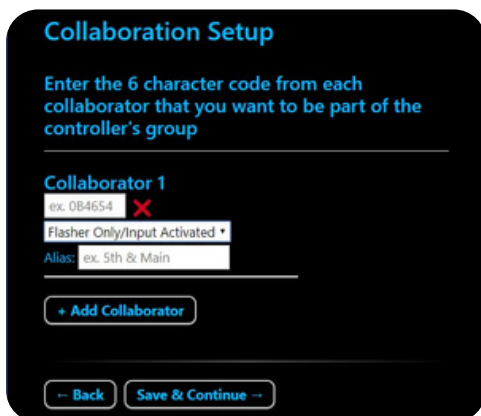
Flasher Pattern:
Standard Flash ▾

Flasher Output:
Unison Output ▾

Flasher Hold Time In Seconds:
10

CIWS.5 - Collaboration Setup

This is where the setup of the intersection begins. Each collaborator's id must be entered, along with selecting the input type used at the collaborator (ie. if a radar is attached, select radar). Finally, each collaborator must be given an alias. You get to pick the alias, just remember it. The next screen will use these names to build out the system matrix



Collaboration Setup

Enter the 6 character code from each collaborator that you want to be part of the controller's group

Collaborator 1

ex. 0B4654 ✖

Flasher Only/Input Activated ▾

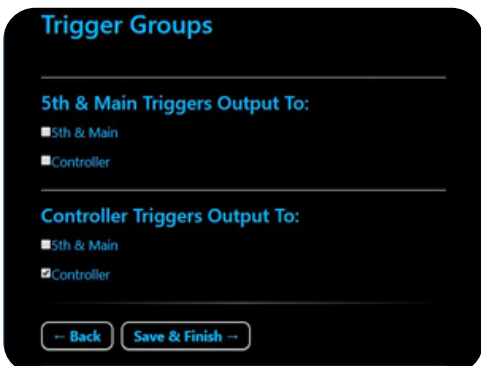
Alias: ex. 5th & Main

+ Add Collaborator

← Back Save & Continue →

CIWS.6 - Trigger Groups

This set of selections dictates which collaborator's trigger the output on other collaborators (or the controller). See the next page for an illustration depicting a conflict system.



Trigger Groups

5th & Main Triggers Output To:

☐ 5th & Main

☐ Controller

Controller Triggers Output To:

☐ 5th & Main

☒ Controller

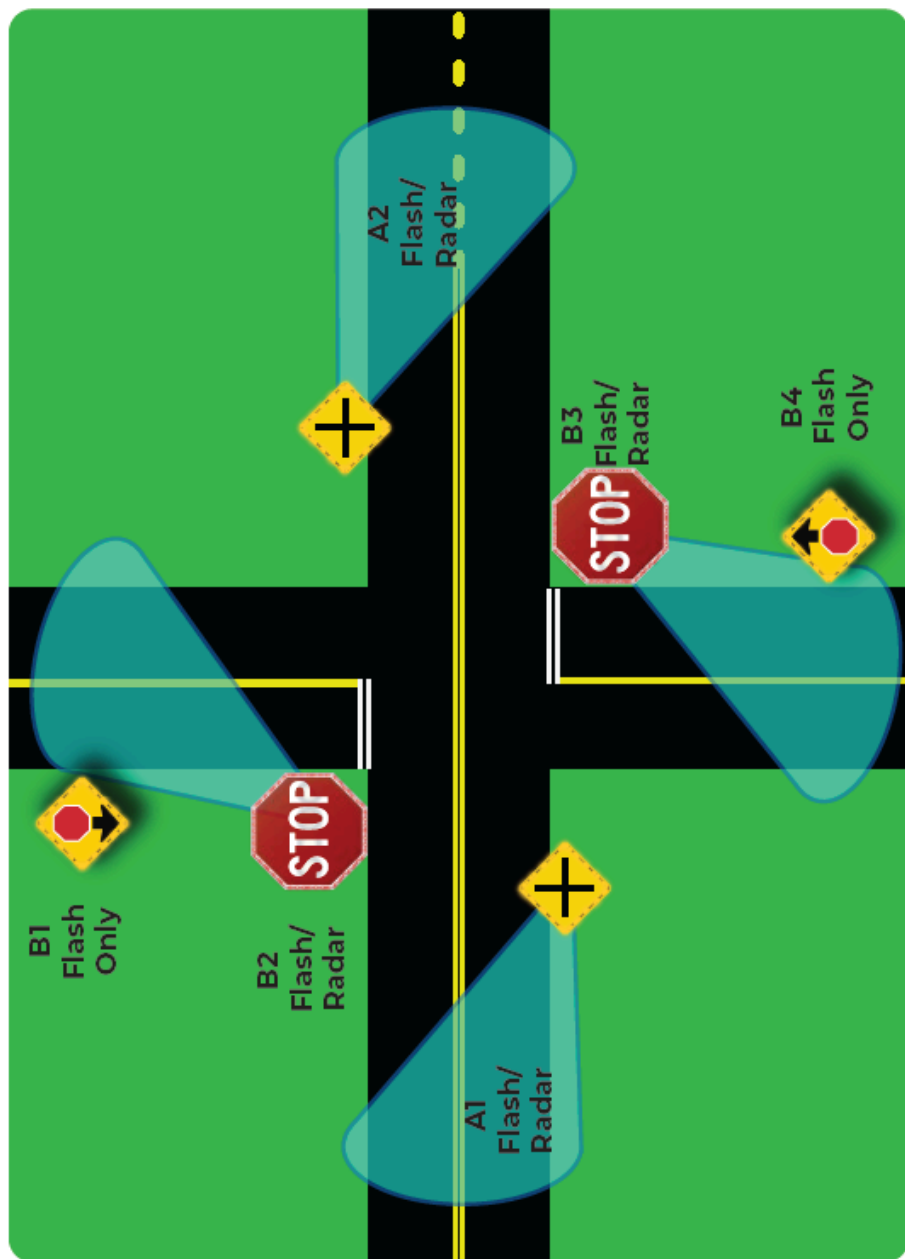
← Back Save & Finish →

This concludes CIWS

〈Conflict Intersection System Setup〉

A CIWS, Illustrated

In the example below, a detection at either radar A1 or A2 will trigger flashing signage at any of the B units. Radar Detection at B2 or B3 can trigger flashing signage at B2, B3, A1, and/or A2. This accomplishes the goal of warning opposing drivers of each other's presence



〈High Water Detection Setup〉

HW.1- System Location

Assign and Alias Name to the device to identify it in TC-Remote (if equipped with modem)

System Location

System Location:

ex. NB Curve on Mountain Rd @ MP13

Save & Continue →

HW.2 - Configuration

If the sensor is connected to the Controller, select Yes. If it's connected to a Collaborator, select NO. This helps the software deliver relevant options as you work through the configuration.

TRAFFICCALM SYSTEM

System Configuration

Is a TrafficCalm water or depth sensor attached to the controller?:

No ▾
No
Yes

Save & Continue →

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connect

HW.3 - Brightness

On this screen you can select the brightness settings for the flashing sign ring output. The system will accommodate for ambient light based on solar panel voltage or a photo (light) sensing device.

TRAFFICCALM SYSTEM

Brightness Settings

Maximum Brightness Level In Daylight:

100 %

Recommended: 100%

Minimum Brightness Level At Night:

10 %

Recommended: 10%

Automatic Brightness Adjustment:

Standard ▾

This controls how the system will automatically adjust to lighting conditions. Standard is the default setting. Aggressive may provide a brighter output, but could impact system uptime if ideal lighting conditions are not met.

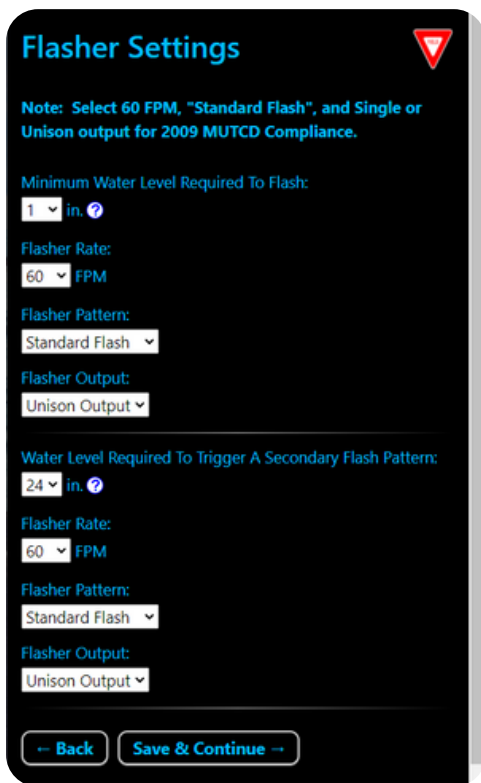
Back Save & Continue →

〈High Water Detection Setup〉

HW.4 - Flash Settings

What does the system do when the water rises?

Because the water sensor can not only detect the presence of water, but also its depth, it is possible to increase or modify the warning method, or select another output port (A or B) based on actual conditions.

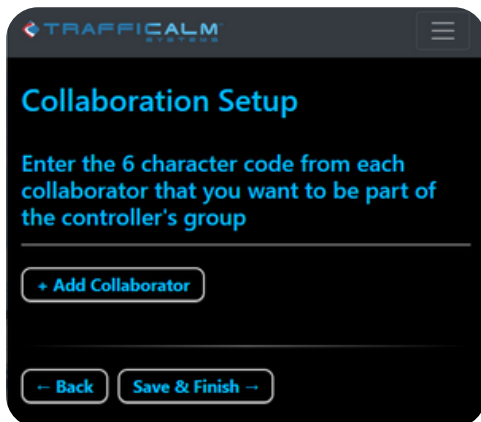


The image shows a 'Flasher Settings' screen on a tablet. At the top right is a red triangle icon. Below the title is a note: 'Note: Select 60 FPM, "Standard Flash", and Single or Unison output for 2009 MUTCD Compliance.' The settings are organized into two sections. The first section has: 'Minimum Water Level Required To Flash:' with a dropdown set to '1' and 'in.'; 'Flasher Rate:' with a dropdown set to '60' and 'FPM'; 'Flasher Pattern:' with a dropdown set to 'Standard Flash'; and 'Flasher Output:' with a dropdown set to 'Unison Output'. The second section has: 'Water Level Required To Trigger A Secondary Flash Pattern:' with a dropdown set to '24' and 'in.'; 'Flasher Rate:' with a dropdown set to '60' and 'FPM'; 'Flasher Pattern:' with a dropdown set to 'Standard Flash'; and 'Flasher Output:' with a dropdown set to 'Unison Output'. At the bottom are two buttons: '← Back' and 'Save & Continue →'.

HW.5 - Collaborators

Add wirelessly triggered, remote collaborators.

This is where the setup of the system begins. Each collaborator's id must be entered, along with selecting the input type used at the collaborator (Flasher only or TrafficCalm water/ depth sensor attached).



The image shows a 'Collaboration Setup' screen on a tablet. At the top left is the 'TRAFFICCALM' logo, and at the top right is a hamburger menu icon. Below the title is a text prompt: 'Enter the 6 character code from each collaborator that you want to be part of the controller's group'. Below this is a button labeled '+ Add Collaborator'. At the bottom are two buttons: '← Back' and 'Save & Finish →'.

This concludes High Water

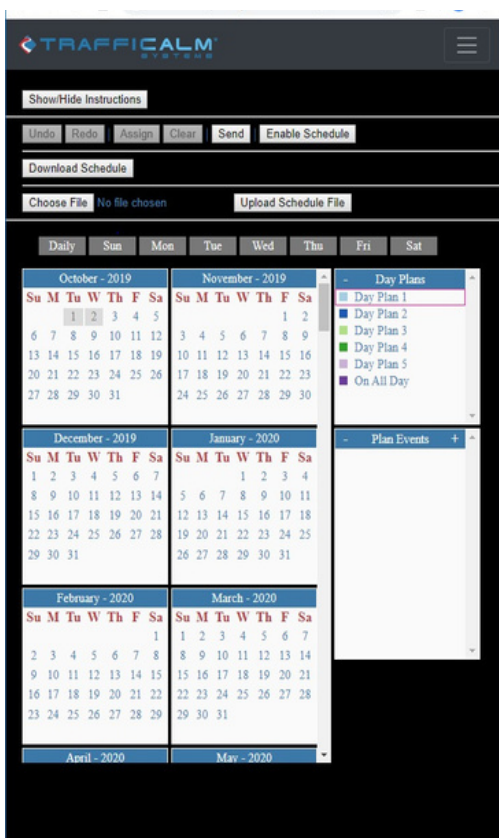
Scheduling Intro

The built in Flashing Sign Scheduler allows you to schedule OFF or ON behavior to occur throughout the day

Start by setting up events to happen on a day plan, then apply the day plan to either the daily button, the day buttons (Sun, Mon, etc.) or specific calendar days

Once completed, select to send the schedule to the Controller, then select to enable the schedule

The schedule will now activate on the Controller and all Collaborating group members



Scheduling Details

Undo- removes last action or application of a day plan

Redo- redacts the undo function

Assign- For Apple users, applies the day plan to selected day button or date

Clear- removes day plan from selected day button or date

Send- Sends the schedule to the group

Enable Schedule- starts the schedule operation

Daily- day plans assigned to the Daily button occur every day, repeating forever.

Sun, Mon, Tues...- day plans assigned to the Day buttons occur on that specific day, repeating forever

Calendar- day plans assigned to specific calendar dates will occur on that day ONLY, with no repetition

To apply a day plan, simply drag and drop the day plan to the desired day or date. Additionally, a range of dates may be selected; use the Assign button to apply the selected day plan to the selected dates

Note to some Apple IOS users, the drag and drop action may not function properly. In this case, use the Assign button to apply day plans to days or dates.

Download Schedule - Downloads developed schedule to phone, tablet, or PC for future use on other systems

Choose File/Upload Schedule File - Open and send a downloaded schedule to save time.

Status Menu

The status screen provides sensor information from the Controller and each connected Collaborator. Typically this will be used when troubleshooting the system at the request of the TrafficCalm™ support team.

Status

TC Connect Version: 3.00C

Firmware Version: V3.00H HW:0

Firmware Build Date: Jan 3 2021

Mesh Net Version: V300J

System Time: Tue Jan 5 09:31:05 2021

[Update from your device's time](#)

Battery Voltage: 13.16 VDC

Solar Panel Voltage: 0.96 VDC

Flasher A Voltage: 0.00 V

Flasher B Voltage: 0.00 V

Input 1 Voltage: 9.12 V

Input 2 Voltage: 11.25 V

Temperature: +24.25C

Diagnostics Menu

The diagnostic screen displays the signal strength of the radio (mesh- net) connection between each device. Again, this is typically used while troubleshooting.

Diagnostics

Signal Strengths:

NOTE: 1-30 = Great, 31-60 = Acceptable, Over 60 = Poor

141ADD (24) <---> (24) 15C43D

141ADD (15) <---> (15) 141ADF

141ADD (18) <---> (18) 141AF0

15C43D (45) <---> (45) 141ADF

15C43D (13) <---> (12) 141AF0

141ADF (9) <---> (6) 141AF0

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Activation Report

This screen facilitates the download of an activation log and a status log. Both are exported to your device as a spreadsheet that can be opened in software like Microsoft Excel. Once a log is loaded to your device it can be emailed, shared, and otherwise distributed as much and as often as you want. The activation log displays data about when the system detected vehicles and how that amounted to (or not to) flashing sign. The status log provides system history, including charging status and power cycles. Finally, this screen features several brief reference facts.

Activation Report

Daily Count Log:

01/04: Count: 75, Cumulative Average: 75

01/05: Count: 280, Cumulative Average: 177

Today: 00280, Total: 00355

[Download Activation Log](#)

[Download Status Log](#)

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Contact

Want to get a hold of us?
Here's all the ways you can

Contact

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Post Falls, ID 83854
www.trafficcalm.com

Sales and/or Support: 1-855-738-2722

Support: techservice@trafficcalm.com

Sales: sales@trafficcalm.com

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Advanced Settings

This screen offers several "advanced" features, some of which are critical to the operation of the system.

Power Type- should be selected to reflect each device's actual power supply. If in doubt, call our support department.

Programmable Input Mode-

designates what input 2 on the controller accomplishes. It can act like an input, or a reset trigger.

Automatic Daylight Saving Time-

turn off if you're in a place that does not observe the annual DST.

Detailed Logging-

toggle the storage of detections and status logs. Some places don't allow it, so this allows for total compliance.

Radar Diagnostic LEDs-

the radars have a green and a red LED to help with aiming and power status. But, they can be distracting under normal use. So, you can turn them off if the public demands it.

Various Resets (not pictured)-

Soft defaults retains most settings, like Collaborator IDs. Factory Reset wipes the whole thing clean. Clear Logs- resets the data logs.

Advanced Settings

Power Type:

Controller 141ADD

AGM Battery

Collaborator 15C43D

AGM Battery

Collaborator 141ADF

AGM Battery

Collaborator 141AF0

AGM Battery

The type of power source that each device is using.

Programmable Input Mode:

Input

Select how you would like the programmable input to operate.

Automatic Daylight Savings Time

Adjustment:

Enabled

Select Enabled to automatically adjust the system time for Daylight Savings Time. Select Disabled to prevent the system time from automatically changing.

Detailed Logging:

Enabled

Select Enabled to allow the system to generate detailed activation and status logs that can then be downloaded from the Report page. Select Disabled to turn off the detailed logging.

Radar Diagnostic LEDs:

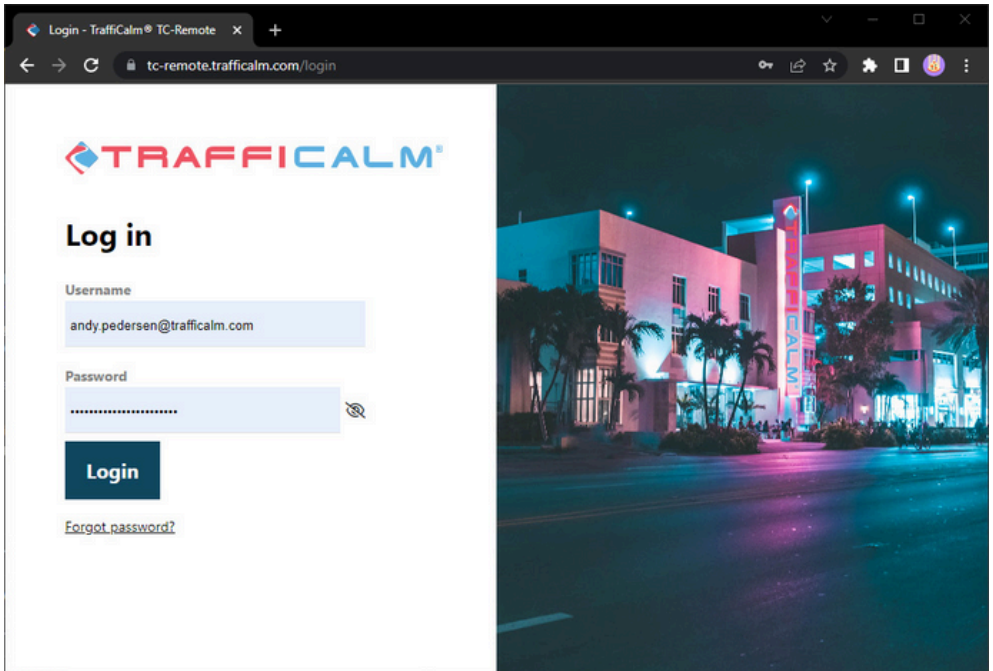
On

Enable or Disable the diagnostic LEDs on the radar.

This concludes Misc. Menus

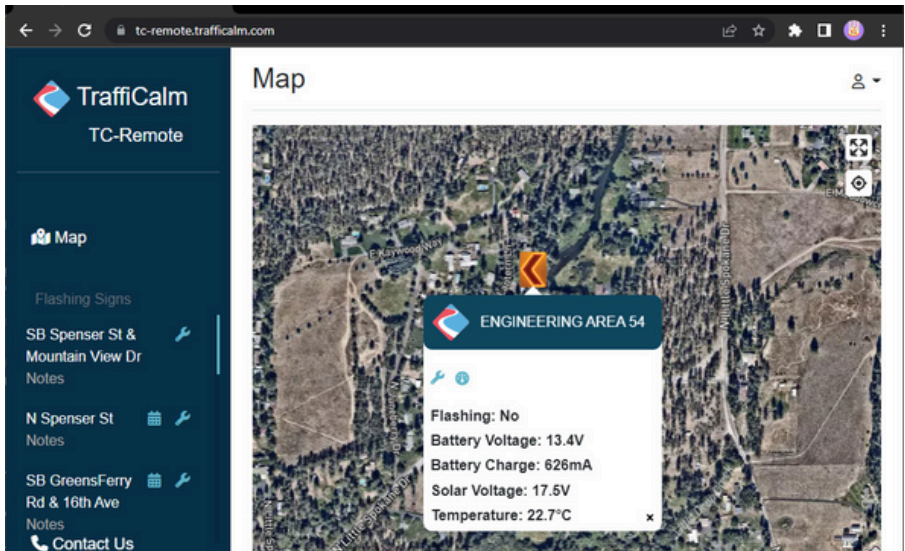
If so equipped, your TrafficCalm Intelligent Sign system may be connected to TC-Remote via a cellular modem.

With the system powered up and connected, you'll be able to access the device and its parameters from any Internet connected device in the world. To access TC-Remote, navigate to tc-remote.trafficalm.com. Upon initial log in, you will be required to set a password, this can be recovered if forgotten later.




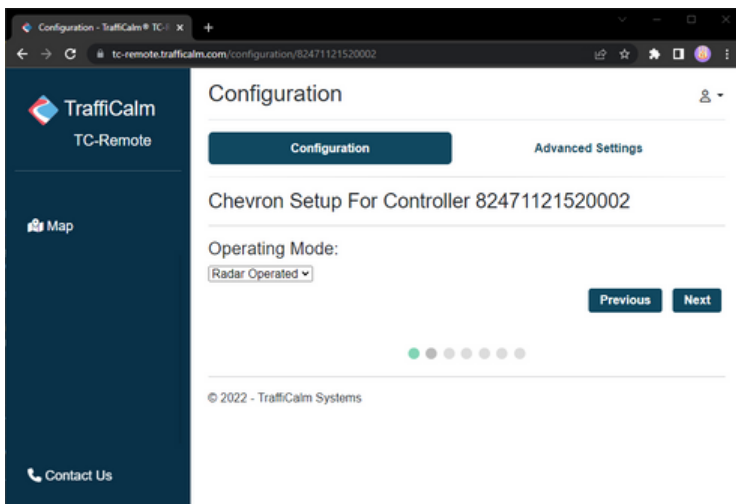
⟨TC-Remote⟩

After logging in, all of your devices will be visible on both the map and left navigation panel.



Clicking on any device will expand it's quick-stats view where you can see system data as well as expand setup (wrench icon) and system data (meter icon) views.

Selecting the  icon in any given system will open its configuration parameters, much of this is similar to local setup.



Adding A Device

After installing a new TC Remote device, steps will need to be taken to claim ownership of the system. Select ADD A DEVICE to start the process



Your Activation Key will be located in one of two locations, depending on your controller type.



opposite of serial label

- M75-TCR0M-CTL3
- M75-TCR0M-CTLZ



Inside of door

- M75-TCR00-CTLA
- M75-TCR00-CTLE
- M75-TCR00-CTLI
- M75-TCR00-CTLR
- M75-TCR00-CTLW
- M75-TCR00-CTLS



Example of Key badge

The 'Add Device' page in the TC-Remote web interface. It has a dark blue sidebar with 'TrafficCalm TC-Remote' and links for 'Map', 'Add Device', and 'Contact Us'. The main content area has a title 'Add Device' and a user icon. Below the title is a message: 'Please enter the two keys printed on the label of the controller device that you wish to add to the West Lafayette account. Then press Submit.' There are two input fields: 'Key 1' with the value 'ABC001' and 'Key 2' with the value '1234'. A blue 'Submit' button is below the fields. At the bottom, it says '© 2024 - TrafficCalm Systems'.

Successful entry of the correct key values will result in the unit reporting to your account. If either key value is entered incorrectly the website will warn you the operation was unsuccessful. Clicking the Account Preferences Icon (highlighted in blue below) opens your account's settings.

The 'Profile' page in the TC-Remote web interface. The dark blue sidebar contains 'TrafficCalm TC-Remote', 'Map', and 'Contact Us'. The main content area has a title 'Profile' and a user icon. Below the title is a section 'Account settings' with a list of links: 'Profile', 'Users', 'Change password', and 'Account Notifications'. The 'Profile' link is active. The 'Edit Profile' form contains fields for 'First Name' (filled with 'Your'), 'Last Name' (filled with 'Name'), 'Email' (filled with 'Example@example.com'), and 'Phone Number' (filled with '+1 555-555-5555'). A blue 'Save changes' button is at the bottom of the form.

This page features contact info setup, notification preference settings, and password management. If the account logged in is designated as an administrator, it is possible to invite new users via the users pane.

[illegible]

[illegible]



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**For Any Further Assistance Please Call
our Technical Service Department at:
855-738-2722**



Revision	Reason	Owner/Date
A	Initial release for Gen 4 Devices	AP 20220921
B	Updated TC-Remote details	AP 20221208
C	Updated Add a Device in TC Remote	AP 20240904
D	Overall Update of Manual	DS 20250610