

Laser Technology, Inc.

LaserSoft®

SpeedCapture

User's Guide

4th Edition for iOS



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1. About SpeedCapture

Thank you for downloading LaserSoft® SpeedCapture for iOS! Now you can capture undeniable confirmation of an offender's speed and instantly send a photo down the road to the officer writing citations. You have the option to show exactly what the officer saw through the laser from the moment the speed measurement took place. You can even keep a detailed log of violations by archiving the data to a computer.

- Enter relevant violation data along with a captured photo of the offender.
- Log daily activity and store it all on your computer.
- Send the photo and speed data to another officer down the road.

Technical Specifications

LaserSoft SpeedCapture has been designed to run on iOS version 7.0 or later for use in conjunction with Laser Technology speed measurement devices.

Specification	Description
Operating Systems	iOS version 11.x* * Please check LTI web site for current compatibility (http://www.lasertech.com/LaserSoft-SpeedCapture-App.aspx)
Supported Devices	Made for iPhone
Connectivity	Bluetooth®
Compatible Laser	LTI 20/20 TruSpeed® Sxb Speed Measurement Device
Hardware	Universal Phone Adapter (Figure 1)
Supported Languages	English; templates available for translation for approved law enforcement personnel only

The universal phone adapter attaches the phone to the laser device to photograph exactly what the officer sees through the scope:



Figure 1

2. Get Started with SpeedCapture

This chapter describes the basic knowledge necessary to get started with SpeedCapture. It explains how to get the SpeedCapture app from the App Store and launch the app. Once the application has been successfully launched, follow the directions in this chapter to use the main menu and configure the settings.

Get the SpeedCapture App from the App Store

To get the SpeedCapture app from the App Store:

1. Use the App Store search function to search for "SpeedCapture".
2. Tap the SpeedCapture icon to install the app as you would for any other iOS application.

Pair a Phone to the Laser

To ensure a phone is properly communicating with the laser, it must be connected with Bluetooth. To begin this process, verify that the laser is powered on and within range:

1. Find and tap the Settings icon on the phone.
2. Tap Bluetooth on the Settings list (Figure 2). If Bluetooth is listed as "Off," toggle it to "On."
3. Tap the laser device's serial number which should be listed among the other devices you connect via Bluetooth on your phone (Figure 3).
4. The PIN number for TruSpeed Sxb Bluetooth connection is 6912. Enter 6912 in the PIN field and tap "Pair" (Figure 4). Within a few seconds, the laser should be described as "Connected" (Figure 5). SpeedCapture is now prepared to communicate with the laser.

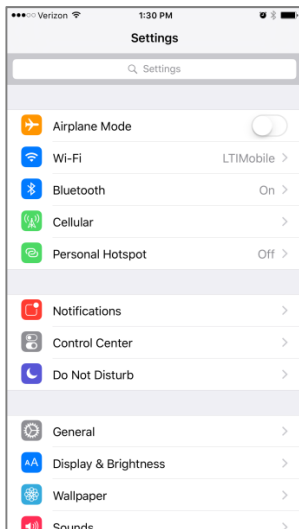


Figure 2

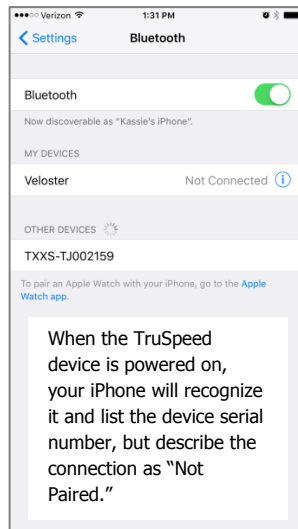


Figure 3

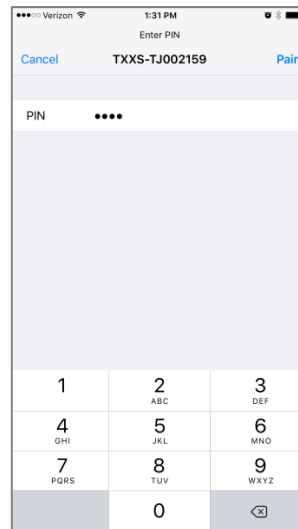


Figure 4

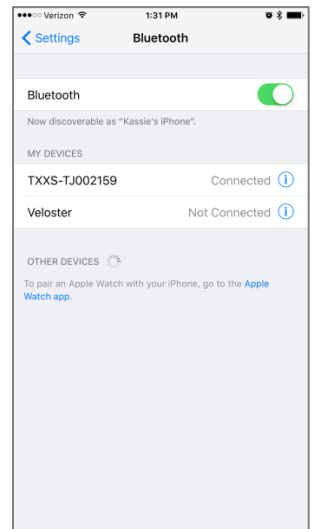


Figure 5

NOTE If the laser is powered off when viewing the current or available Bluetooth connections on a phone, the laser device may be described as "Not Connected" even if the two have already paired. Power the laser on and tap the device serial number to re-establish that connection. Sometimes more than one attempt is necessary when establishing the Bluetooth connection between the laser and the phone. It may be necessary to "forget" the laser device from the Bluetooth list and then re-add it or totally shut down and restart the phone.

Launch the SpeedCapture App

To launch the SpeedCapture app:

1. Find the SpeedCapture icon on the phone.
2. Tap the SpeedCapture icon (Figure 6).

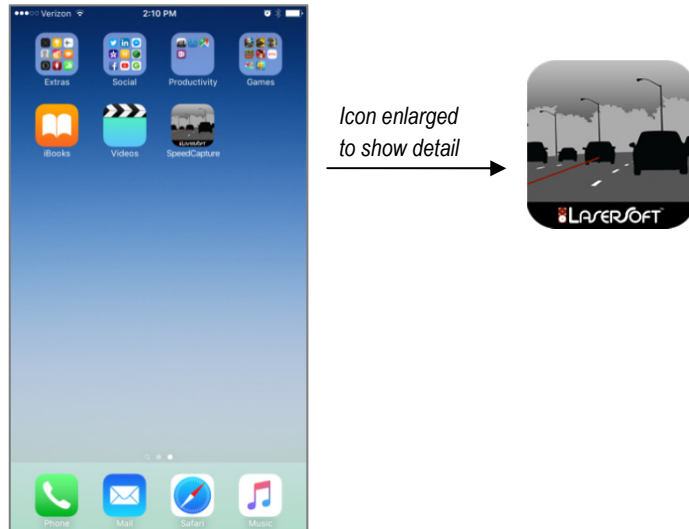


Figure 6

Use the Main Menu

This is the SpeedCapture main menu (Figure 7):

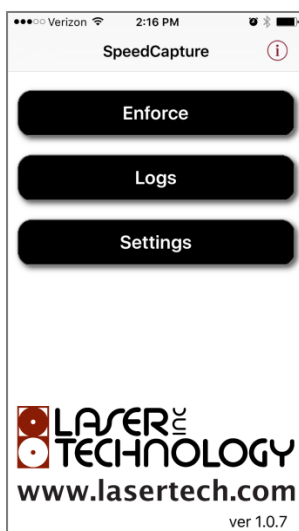


Figure 7

- Tap the "Enforce" button to begin taking speed measurements. For more information on using "Enforce" see [page 14](#).
- Tap the "Logs" button to access all saved speed records. For more information about "Logs" see [page 25](#).
- Tap the "Settings" button to enter the information constant to the set of measurements you are taking during an enforcement session. For more information about "Settings" see the following section.

Configure the Settings

The Settings area enables the configuration of the settings that will remain constant to a set of measurements taken during an enforcement session. This area is composed of three individual tabs that allow for information entry or upload: General, Load Data, and Database.

General Tab

When Settings is selected from the main menu, the "General" tab is displayed. Details can be entered about the location in which speed measurements are about to be taken. An example of how these details may be entered is shown below (Figure 8):

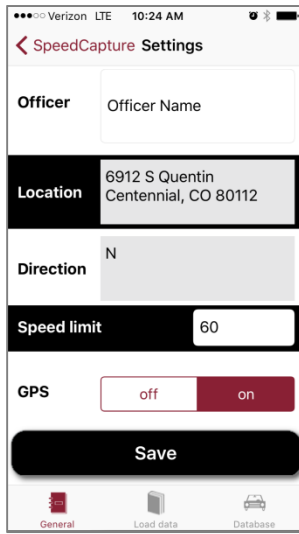


Figure 8

Sample entries in Settings "General" tab:

- **Officer:** The name of the officer taking the speed measurements.
- **Location:** The location where the officer is taking the speed measurements.
- **Direction:** The direction the officer is facing while taking the speed measurements.
- **Speed Limit:** The applicable speed limit for the location. This value will appear on saved records. If using Continuous Auto mode, SpeedCapture will take and save image records for violations over the noted speed automatically.

NOTE Tapping "Done" on the phone's keyboard removes the keyboard from view.

- **GPS:** Choose "Yes" to display GPS Longitude/Latitude information on speed measurement records that are saved to the logs.
- **Save:** Tap the "Save" button to save the entries and return to the SpeedCapture main menu.

NOTE The "Location" field is auto-filled upon tapping the "Enforce" button. The location pin can be moved by the user to improve upon the accuracy of the smart device. If desired, the user can manually enter a location in this field.

In addition to entering information about the current enforcement session's location, SpeedCapture also allows you to upload proprietary lists of vehicle categories, makes, models, and potential offenses that will be available to choose from when saving a speed measurement record. A comprehensive set of these choices is already included within SpeedCapture; however, the option is available to either create or purchase and upload data from other sources. This feature is described in the next section, Load Data Tab.

Load Data Tab

As you take a speed measurement for a potential offense, you can save additional details about the offender's vehicle. In the "Load Data" tab, if the pre-loaded lists of choices are not comprehensive to you, you may upload your own lists of vehicle categories, makes/models, and colors as well as types of offenses for which you are making stops. Currently, these areas are uploaded with the most current data on car makes and models from The Vehicle List and will be updated through the SpeedCapture app when new vehicles come out. The "Load data" tab is shown below (Figure 9) and is located by tapping the "Load Data" tab at the bottom of the Settings screen.

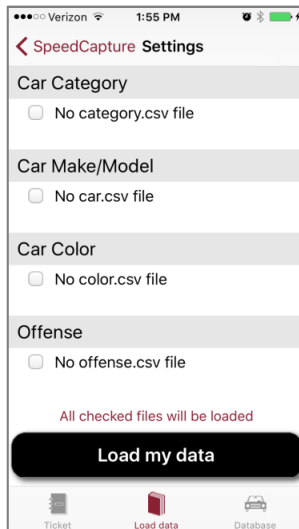


Figure 9

An extensive data file from The Vehicle List including all known vehicle makes and models has been pre-loaded into the SpeedCapture app. As new vehicles are manufactured, the pre-loaded lists will be updated through the app. You should never have a problem locating a vehicle make or model within SpeedCapture. However, some customers may have their own vehicle lists in *.csv file format and would rather use those. The "Load data" screen allows you to upload your own lists of vehicle categories, makes/models, colors, and types of offenses.

NOTE The checkboxes in this section are inactive unless SpeedCapture detects the existence of a *.csv file. If a *.csv file has been uploaded to the phone, the checkboxes next to the file(s) will be active for uploading.

Whether using SpeedCapture's pre-loaded vehicle and offense choices or user proprietary choices, these choices may be edited further in the "Database" tab of the Settings screen.

Proprietary *.csv files can be made in Excel and then placed into any folder on the smartphone. Tap [Select folder] to browse and locate the folder that contains the *.csv file(s). The *.csv file names and formats must remain the same, but as many fields as necessary can be added or translated. Figure 10 displays the category.csv, color.csv, and offense.csv file formats. Please follow these exactly if you wish to create your own. File names must be category.csv, color.csv, and offense.csv in order for SpeedCapture to recognize and import it.

Sample category.csv file format:

	A	B	C	D	E	F	G	H	
1	# if begin	that line is ignored(comment line)							
2	# filename should be lower case - 'category.csv'								
3	# Category list								
4	Others								
5	Buses								
6	Convertibles								
7	Coupes								
8	Sedans								
9	SUVs								
10	Trailers								
11	Trucks								
12	Vans								
13	Wagons								
14									
15									

Figure 10

(continued on next page)

Sample color.csv file format:

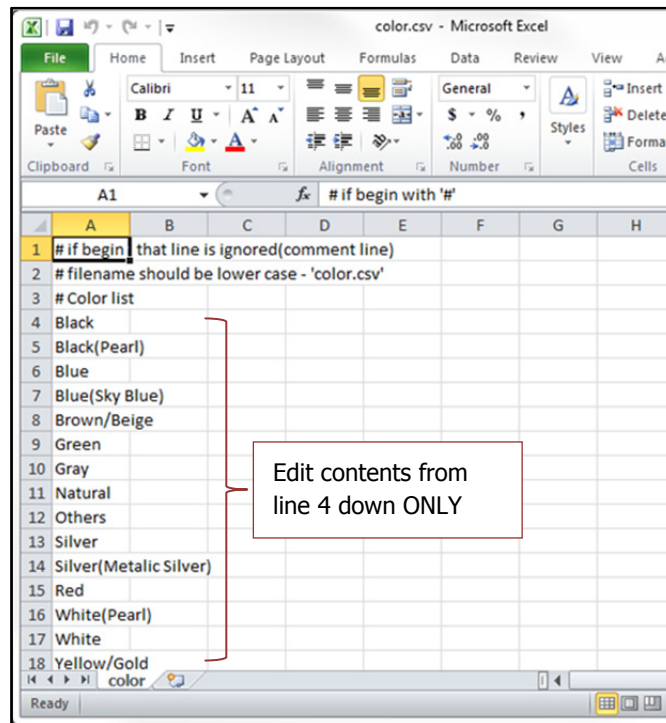


Figure 11

Sample offense.csv file format:

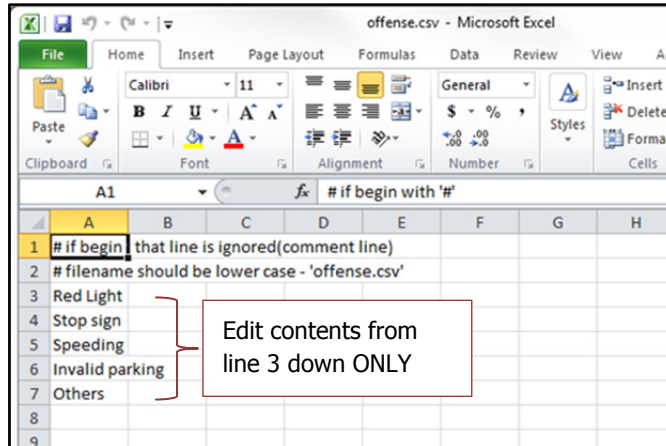


Figure 12

Database Tab

When you have taken a speed measurement and wish to save the file, you are offered choices on vehicle category, make/model, color, and the offense for which the vehicle has been stopped. In the "Database" tab, you may edit existing choices or add a choice that is not listed. The "Database" tab is shown below (Figure 13) and is located by tapping the "Database" tab at the bottom of the Settings screen:

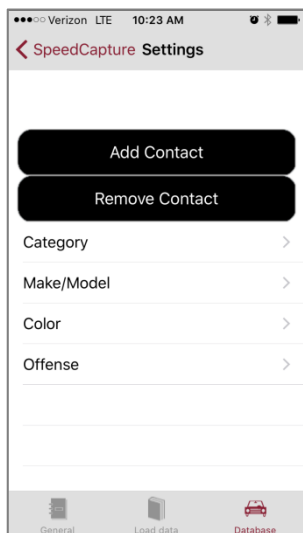


Figure 13

Description of Choices in the "Database" tab:

- **Add Contacts:** Tap to add one or more contacts from the device contact list for use in sending text images from SpeedCapture to other officers.
- **Remove Contact:** Tap to clear out previous contact selections.
- **Category:** Tap to bring up a list of broad vehicle categories to delete or add to.
- **Make/Model:** Tap to bring up a list of current vehicle makes to edit, delete, or add. Once a make is selected, you may move forward in selecting a model to edit, delete or add.
- **Color:** Tap to bring up a list of available vehicle color options to delete or add.
- **Offense:** Tap to bring up a list of available offenses to edit, delete or add.

NOTE All entries you have added to Category, Make/Model, Color, and Offense groups within the "Database" tab will remain despite updates from the SpeedCapture app. SpeedCapture will only copy over new vehicle makes and models during an update and will not overwrite any user additions.

Add/Remove Contacts

For group enforcement, SpeedCapture facilitates fast and easy photo/offense transmission from one officer to others that will be issuing citations. Team members for a particular group enforcement session can be added or removed as recipients for texted enforcement records at any time.

Adding and Removing Contacts:

1. Tap "Add Contact" from the Database Tab main screen (Figure 14).
2. Tap the "+" in the upper right-hand corner of the screen to display the phone contact list (Figure 15).
3. Tap the contact name to be added (Figure 16).
4. The new contact appears on the screen. Tap the "+" again to add additional contacts for the group enforcement session. (Figure 17).

NOTE Tap "Remove Contact" to remove all selected recipients (Figure 14).

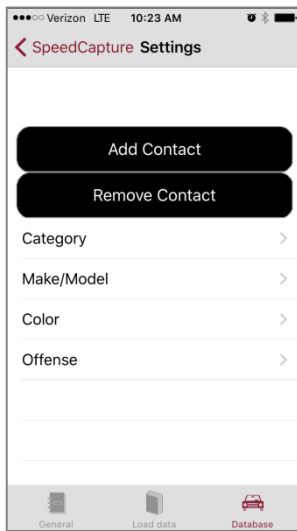


Figure 14

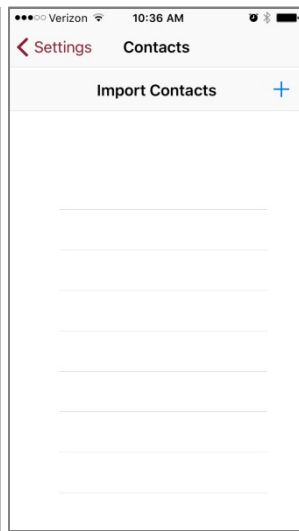


Figure 15

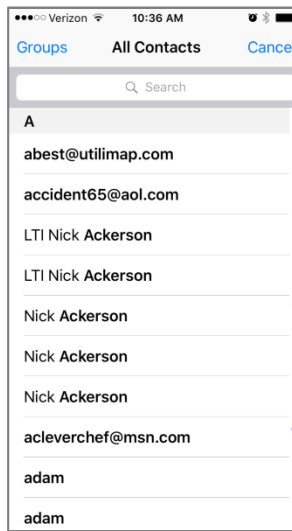


Figure 16

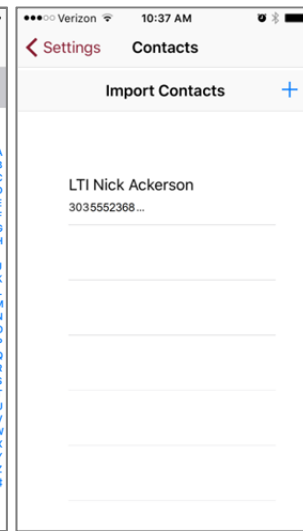


Figure 17

Category Section

Adding a category:

1. Tap "Category" (Figure 13 on [page 8](#)) to begin. A list of current available categories is displayed (Figure 18).
2. Tap in the empty field next to the "Add" button to enter the name of your new vehicle category, in this example, "New Category" is used (Figure 19).
3. Tap "Add." The new category will appear at the bottom of the list. The next time the category list is accessed, the new category will appear in alphabetical order (Figure 20).

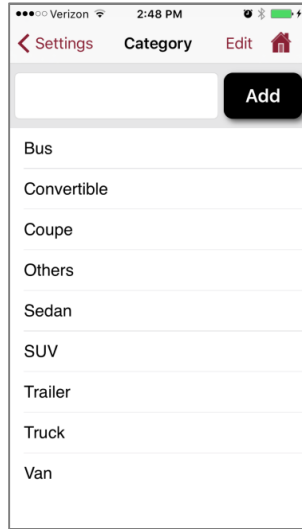


Figure 18

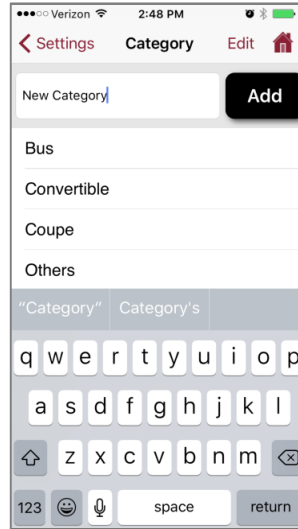


Figure 19

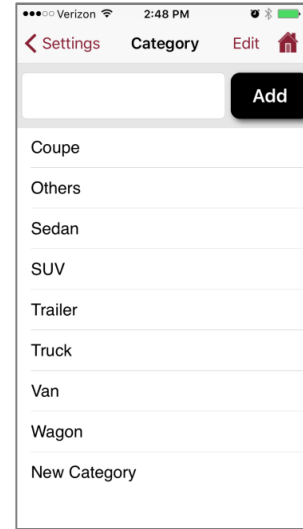


Figure 20

Tapping the "Settings" button returns SpeedCapture to the "Database" tab.

Deleting a category:

1. Tap "Edit" in the upper right-hand corner of the app screen (Figure 20). Each vehicle category in the list will now display a red circle next to it.
2. Tap the red circle next to the category you wish to delete (Figure 21). Once you have selected the category you wish to delete, in this example, "New Category," a rectangular Delete button will appear next to that category.
3. Tap "Delete" (Figure 22).

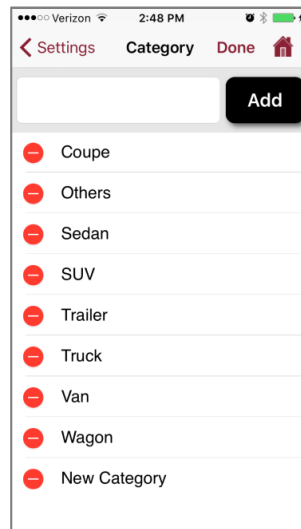


Figure 21

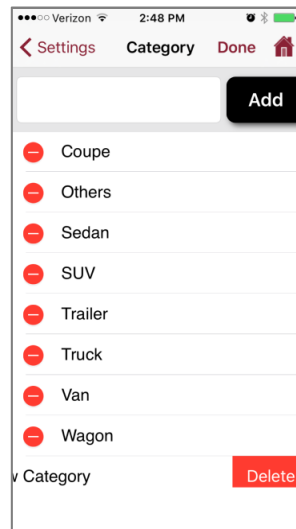


Figure 22

Make/Model Section

Adding a vehicle make:

1. Tap "Make/Model" (Figure 13 on [page 8](#)) to begin. A list of current available vehicle makes is displayed (Figure 23).
2. Tap in the empty field next to the "Add" button to enter the name of your new vehicle category. In this example, "New Make" is used (Figure 24).
3. Click "Add." The new make you entered will appear at the bottom of the list (Figure 25). The next time the Make list is accessed, the new make will appear in alphabetical order.

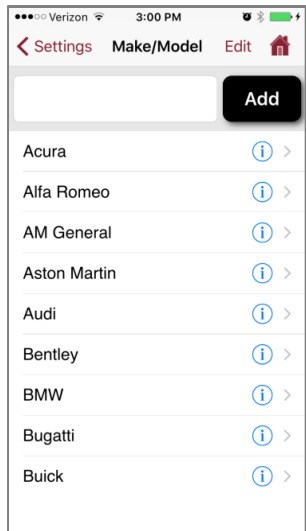


Figure 23

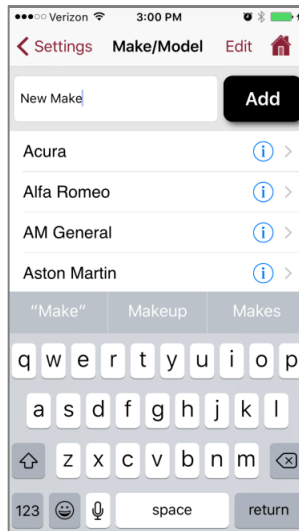


Figure 24

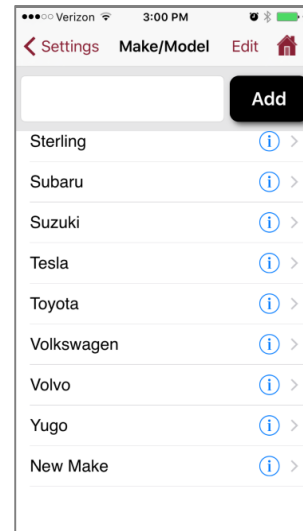


Figure 25

Tapping the "Settings" button returns SpeedCapture to the "Database" tab.

Deleting a vehicle make:

1. Tap "Edit" in the upper right-hand corner of app screen (Figure 25). Each vehicle make in the list will now display a red circle with an enclosed minus sign next to it (Figure 26).
2. Tap the red circle next to the make you wish to delete. Once you have selected the make you wish to delete, in this example, "New Make," a rectangular delete button will appear next to that make.
3. Tap "Delete" (Figure 27). You will be notified that all the models under that make will be deleted as well. Select "OK."

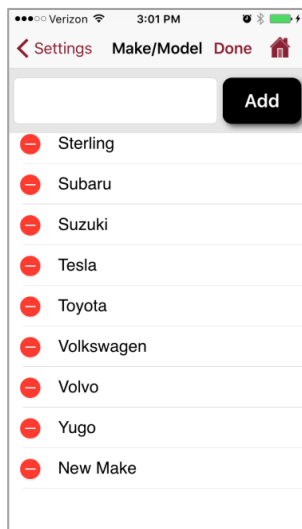


Figure 26

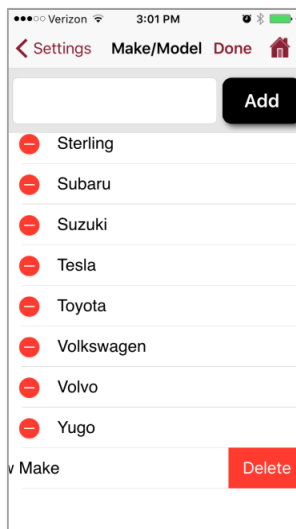


Figure 27

NOTE If you would like to add or delete a model, the steps are the same as adding and deleting a make except first select your make and then either enter the name of the model you wish to add or tap the "Edit" button and tap the model you wish to delete. Please be aware that if any vehicle model is deleted, all the accompanying makes for that model will also be deleted.

Color Section

Adding a vehicle color:

1. Tap "Color" (Figure 13 [page 8](#)) to begin. A list of current available colors is displayed (Figure 28).
2. Tap in the empty field next to the "Add" button to enter the name of the new vehicle color. In this example, "New Color" is used (Figure 29).
3. Click "Add." The new color you entered will appear at the bottom of the list (Figure 30). The next time the color list is accessed, the new color will appear in alphabetical order.

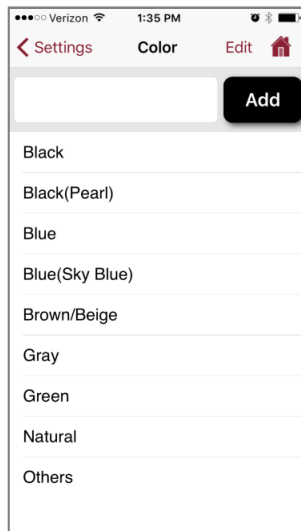


Figure 28

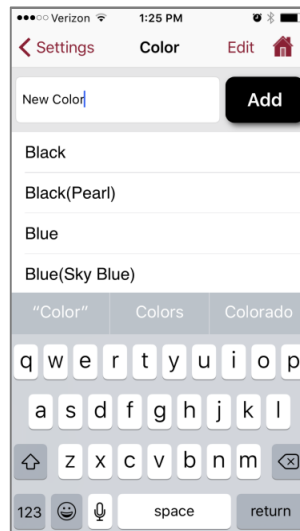


Figure 29

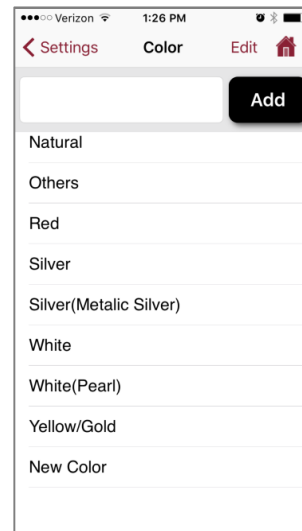


Figure 30

Tapping the "Settings" button returns SpeedCapture to the "Database" tab.

Deleting a vehicle color:

1. Tap "Edit" in the upper right-hand corner of app screen (Figure 30). Each vehicle color in the list will now display a red circle with an enclosed minus sign next to it.
2. Tap the red circle next to the color you wish to delete (Figure 31). Once you have selected the make you wish to delete, in this example, "New Color," a rectangular delete button will appear next to that color.
3. Tap "Delete" (Figure 32).

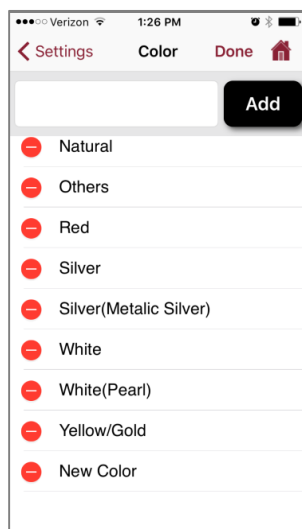


Figure 31

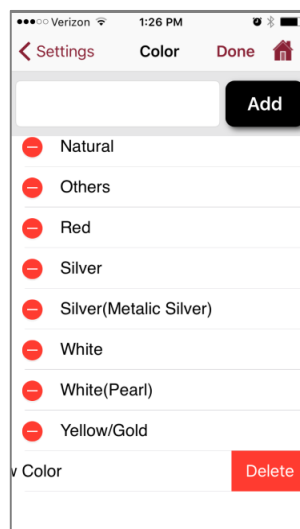


Figure 32

Offense Section

Adding an offense:

1. Tap "Offense" (Figure 13 [page 8](#)) to begin. A list of current offenses is displayed (Figure 33).
2. Tap in the empty field next to the "Add" button to enter the name of your new offense. In this example, "New Offense" is used (Figure 34).
3. Click "Add." The new offense you entered will appear at the bottom of the list (Figure 35). The next time the offense list is accessed, the new offense will appear in alphabetical order.

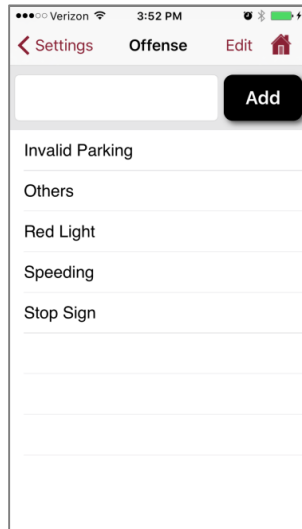


Figure 33

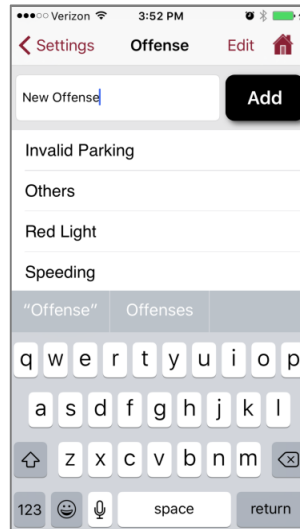


Figure 34

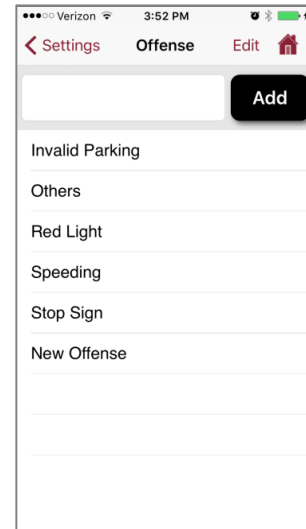


Figure 35

Tapping the "Settings" button returns SpeedCapture to the "Database" tab.

Deleting an offense:

1. Tap "Edit" in the upper right-hand corner of app screen (Figure 35). Each vehicle color in the list will now display a red circle with an enclosed minus sign next to it.
2. Tap the red circle next to the color you wish to delete (Figure 36). Once you have selected the make you wish to delete, in this example, "New Offense," a rectangular delete button will appear next to that offense.
3. Tap "Delete" (Figure 37).

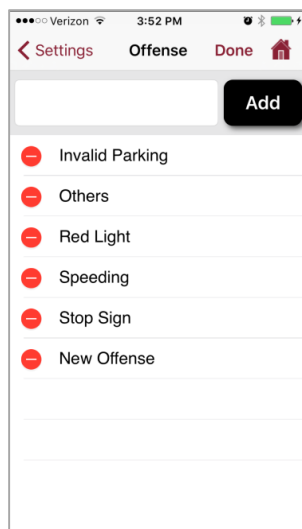


Figure 36

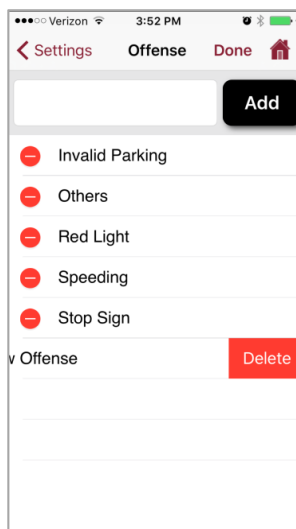


Figure 37

3. Enforce with SpeedCapture

With the minimum required Settings entry (Officer Name) filled, SpeedCapture is ready to begin taking speed measurements. To begin, tap "Enforce" from the SpeedCapture main menu (Figure 38).

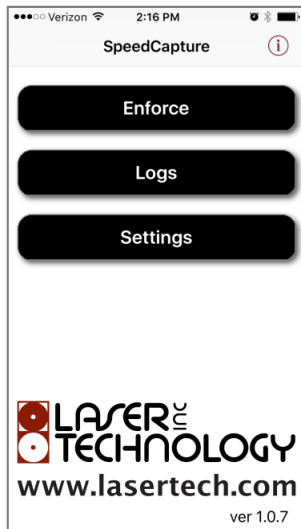



Figure 38

1. Tap "Enforce" from the SpeedCapture Main Screen to begin an enforcement session (Figure 38).
2. SpeedCapture will display a map with current location marked by a pin (Figure 39). Depending on degree of accuracy of the phone/tablet and whether or not WIFI is used, the pin may not be notating the exact position. If the pin must be moved to a more precise location, you may tap and hold to lift the pin and drag it to move. Lifting your finger from the screen will drop the pin in the new location. This location nearest address and long/lat is assigned to the current enforcement session and will be displayed on saved log records.
3. Tap the car button  at top right corner of the map screen when satisfied with the pin location. The Enforce screen will display.

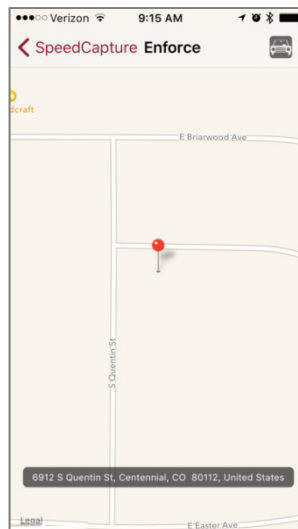


Figure 39

If desired, the location may be entered manually in Settings ([Page 5](#)).

GPS long/lat may display, and is an option that can be turned off in Settings.

The "Enforce" main screen is shown below (Figure 40):

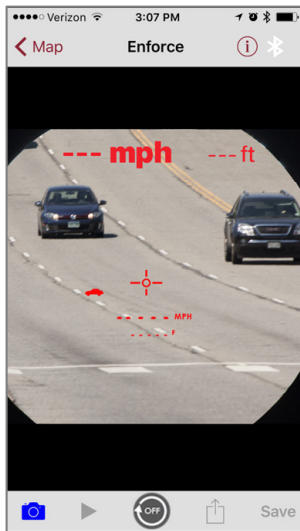













Figure 40

Description of Enforce main screen:



- Ensure that the Bluetooth icon  in the upper right-hand corner of the screen is white to verify that the laser and phone are communicating properly.
- Tap the  icon to view a quick reference guide or access a link to download the full user's guide.
- When a measurement is captured, "--- mph" (or km/h) will display the speed of your offender; "--- ft" (or m) will display the distance of the vehicle at the time the speed measurement was recorded.
- The crosshairs in the middle of the screen are displayed exactly the same as what is seen if looking directly through the scope of the laser.
- Tap the  icon (or press Fire on the laser) to take a speed measurement and photo of whatever is in the crosshairs when in single shot mode. When the laser is in Continuous mode, tap  to begin firing the laser and tap it again to stop firing and take a measurement/photo. When the laser is in Continuous Auto Mode, tap  to begin taking and storing enforcement records and tap it again to stop automatically taking and storing enforcement records.
- Tap the  icon to clear out any existing measurement and return SpeedCapture back to the "Enforce" screen to take a new speed measurement.
- Tap the  icon once to turn Continuous Mode on in the laser () , tap it a second time to turn Continuous Auto Mode on (). See [page 17](#) for more information on these modes.
- Use  icon to save a speed measurement with image to the phone's photo gallery and send it via text to another officer or group of officers (photo with embedded speed/distance/date/time only).
- Tap  in the lower right-hand corner to save the measurement with image and add details about the offender and offending vehicle. These measurement records can be accessed from the Logs area.
- Tap "Map" at the top of the screen to exit "Enforce" and return to the SpeedCapture main menu to review/edit settings or logs or to begin a new enforcement session.

Take Measurements

SpeedCapture functionality allows for enforcement records to be taken with the laser in three different firing modes. This section explains the operation of SpeedCapture in each mode:

- **Single Shot Speed Mode:** In single shot speed mode officers can view traffic through the scope of the laser, fire the laser at a vehicle, and receive a record that includes image with the embedded measurement information (speed/range/date/time).
- **Continuous Mode:** In continuous mode officers can view traffic while the laser is firing and displaying measurements, but the image is not taken until the officer chooses. For example, speeds of approaching vehicles can be tracked until a violation-worthy speed or event occurs.
- **Continuous Auto Mode:** In continuous auto mode, the system functions similarly to continuous mode, but allows for the additional functionality of setting a violation speed. If a violation speed is set, SpeedCapture will automatically measure and save any vehicle that is traveling above that violation speed.

Single Shot Mode

1. To begin, aim the crosshairs at the target vehicle (Figure 41).
2. With the target vehicle in sight, press the  icon in the lower left-hand corner of the screen (you may also press the "Fire" button on the laser to take your measurement). For further operational information about the laser device, refer to the user's manual that shipped with the laser.
3. The SpeedCapture screen should depict the speed measurement recording that was just taken (Figure 42). Along with the speed, the record will show a photograph of the offending vehicle, the current date and time, and the distance of the vehicle at the time the speed measurement was taken. If desired, proceed on to save the measurement/image record for later reference or send it to others ([page 19](#)). To continue taking another measurement without saving, tap . See more on how to save a record in the [next section](#).

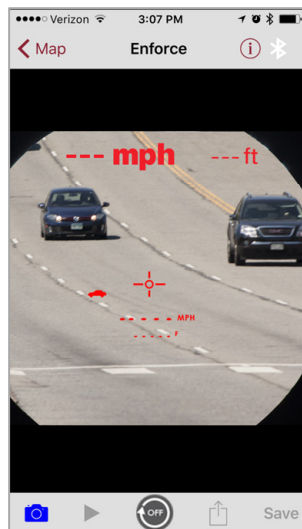



Figure 41






Figure 42

NOTE The speed and range units displayed are dictated by the laser model. Metric lasers will display units in kilometers per hour and meters.

Continuous Mode

1. To begin, tap  to turn continuous mode on in the laser (Figure 40, page 15).

This button will toggle to the "on" view, , and the continuous mode indicator will display (designated by the arrow on Figure 43).

2. With the target vehicle in sight, press the  icon in the lower left-hand corner of the screen to begin firing and taking measurements. This button will toggle to a "stop" view once firing is initiated.
3. To stop firing and take an image, tap  (stop).
NOTE Because the laser understands the release of the Fire button as the indication to stop taking measurements and display the last one, firing can only be stopped by tapping  on the app.
4. The measurement and image will display (Figure 44).

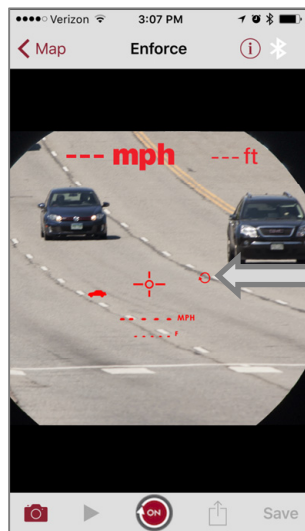


Figure 43

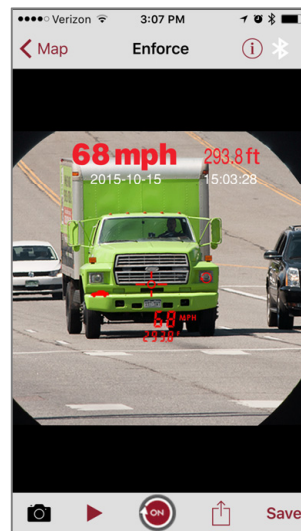









Figure 44

Continuous Auto Mode

1. To begin, tap  to turn continuous mode on in the laser (Figure 40, page 15).
This button will toggle to the "on" view, , and the continuous mode indicator will display (designated by the arrow on Figure 46). Tap  to turn on Continuous Auto Mode.
The button will toggle to this view  when tapped a second time.
2. With the target vehicle in sight, press the  icon in the lower left-hand corner of the screen to begin firing and taking measurements. This button will toggle to black once firing is initiated. A photo will be taken and saved for each traveler going above the "Speed Limit" value. The image will display for approximately 1 second; after that, the app will continue to measure and record.
3. To stop firing the laser, tap  (stop). **NOTE** Because the laser understands the release of the Fire button as the indication to stop taking measurements and display the last one, firing can only be stopped by pressing  on the app. The measurement and image will display (Figure 47).

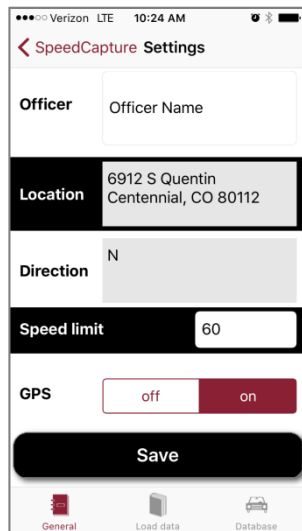


Figure 45

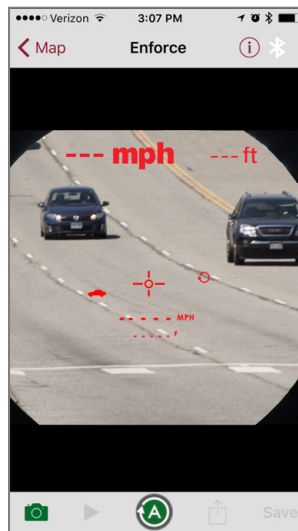


Figure 46



Figure 47

NOTE Each time you begin enforcing with SpeedCapture, you must ensure that the Bluetooth icon is white (upper right corner of the screen). This means the laser and app are communicating properly. Upon tapping Enforce, the connection may take a moment to set. If it does not set automatically, you may need to shut down the laser or close the app and re-open to continue. Refer to "Pairing a phone with a Laser" on [page 3](#) to verify that the phone is successfully paired with the laser.

Save Speed Measurement Records

There are two ways to save a speed measurement record. The first method, Send with MMS, sends the shot to the phone's photo album without manually entering any further information about the offense at the time when the image is sent to a group enforcement team. The second method, Saving to Logs, saves the image with embedded data and includes the ability to add detailed information about the offense that is automatically paired with the photographic evidence from the laser.

Save to Photo Album and Send a Group Message

To Send a Speed Measurement Record to the photo album:


1. Tap  icon at the bottom of the screen (Figure 48).
2. Tap "Send with MMS" (Figure 49) to attach the image to a text message. The speed measurement record will now appear in the photo album as well.
3. If a group of recipients was added in Settings, those recipients will display after "To:" (Figure 50). Tap Send.



Figure 48

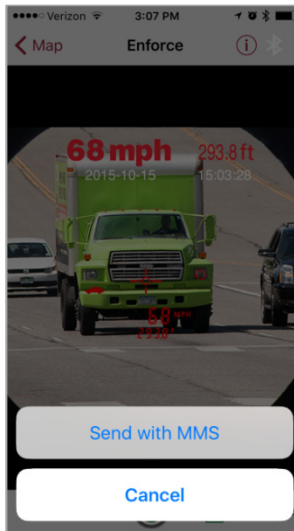


Figure 49

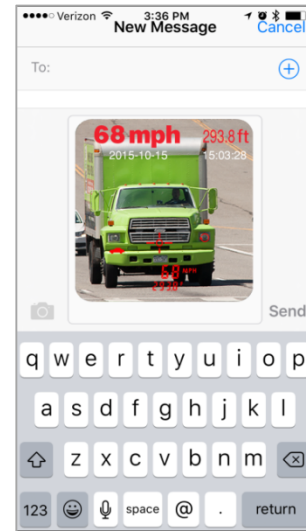


Figure 50

Save to Logs

The "Save" option within the Enforce screen, enables the entering of further details about the offender and the vehicle. There are three tabs in Save in which information may be entered: Car, Ticket, and General. The following section demonstrates entering this additional information step-by-step. Enforcement records that are saved to the logs can be accessed later for editing through the Logs area on the SpeedCapture main screen (page 25). Only one field is required to complete a save: Officer Name. Once entered, SpeedCapture remembers the Officer Name until it is changed by the user or the app is uninstalled so saving is quick and easy.

Car Tab

Figure 51

Description of Car Tab Entry Fields:

- **Plate#:** Enter the offending vehicle's license plate number.
- **State scrollbar:** Allows for the selection of the state listed on the offender's license plate.
- **Commercial:** If the vehicle is a commercial vehicle, tap "Yes". This field automatically defaults to "No" unless it is manually changed.
- **Car Category:** Allows for the selection of the offending vehicle category.
- **Make:** Allows for selection of the offending vehicle make.
- **Model:** Allows for selection of the offending vehicle model.
- **Color:** Allows for selection of the offending vehicle color.
- **Save:** Tap to save the entries.

To Save Car Information to the Logs:


1. Tap  at the bottom of the Enforce screen (Figure 48 on [page 19](#)) to begin. The Car Tab (Figure 51) comes up to allow for the entry of detailed information about the offending vehicle.
2. Tap "Plate#" field at the top of the screen to place the cursor.
3. Enter the offender's license plate number here.
4. Scroll down to find the state in which the offending vehicle is licensed.
5. Tap to select the correct state. The state abbreviation next to the field "Plate#" will adjust accordingly to match the selected state (Figure 52).

Figure 52

6. The field "Commercial" defaults to "No." If the offending vehicle is commercial, tap "Yes" next to that field.
7. Tap "<Car Category>" to bring up a list of broad vehicle types (Figure 53).
8. Tap the offending vehicle type to select it. In this example, the vehicle type is "SUV." When the vehicle type is selected, SpeedCapture automatically redirects back to the "Car" tab where "SUV" now replaces "<Car Category>" (Figure 54).

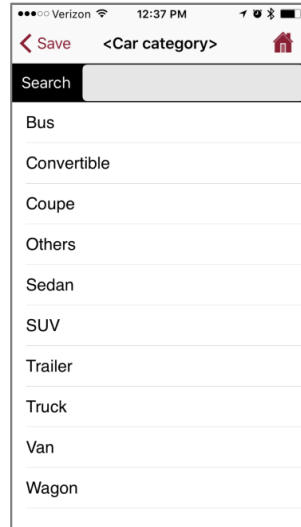


Figure 53

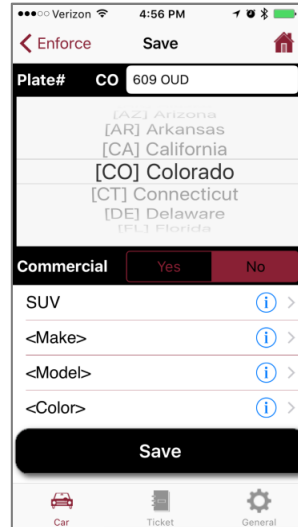


Figure 54

9. Tap "<Make>" to bring up a list of vehicle makes (Figure 54).
10. Tap the offending vehicle make to select it. In this example, the make "Suzuki" is selected (Figure 55). When the vehicle make is selected, SpeedCapture automatically redirects back to the "Car" tab where "Suzuki" now replaces the word "<Make>" (Figure 56).

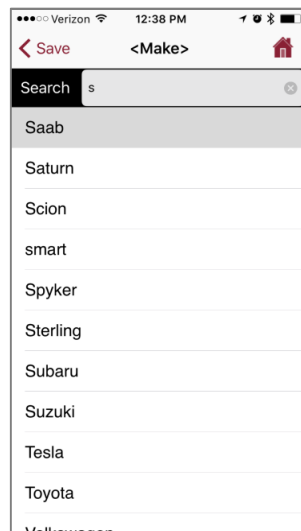


Figure 55

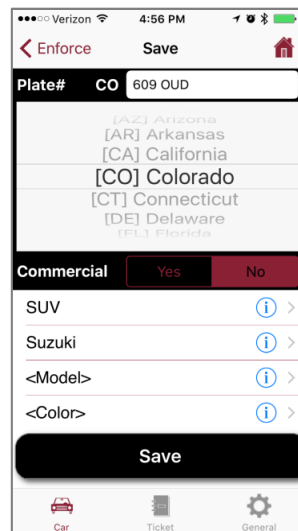


Figure 56

11. Tap "<Model>" to bring up a list of vehicle models (Figure 56).

12. Tap the offending vehicle model to select it. In this example, the model is "Aerio" (Figure 57). When the model is selected, SpeedCapture automatically redirects back to the "Car" tab where "Aerio" now replaces "<Model>" (Figure 58).

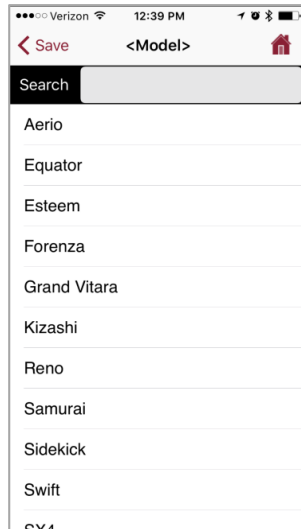


Figure 57

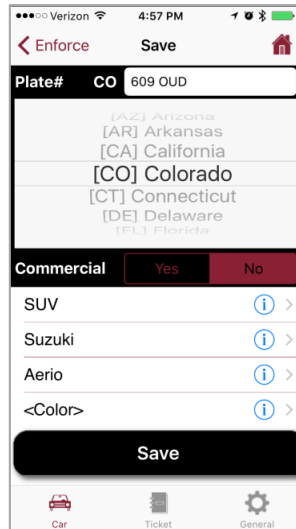


Figure 58

13. Tap "<Color>" to bring up a list of vehicle colors (Figure 59).
14. Tap the color of the offending vehicle. In this example, "Silver" is selected (Figure 59). When the vehicle color is selected, SpeedCapture automatically redirects back to the "Car" tab where "Silver" now replaces "<Color>" (Figure 60).

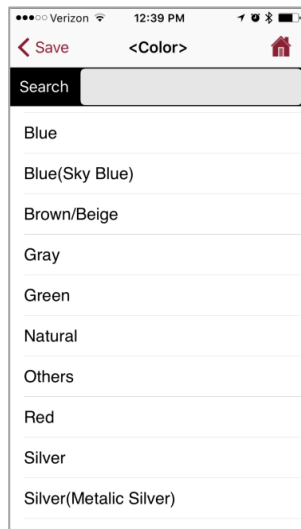


Figure 59

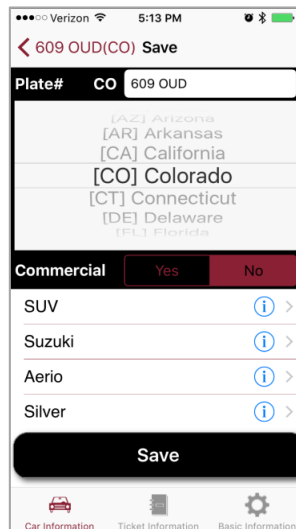


Figure 60

Ticket Information Tab

In addition to entering information about the offending vehicle, information may also be entered about the ticket issued. This information is entered in the "Ticket" tab of the Save screen (Figure 61):

Figure 61

Description of Ticket Information Tab Entry Fields:

- **Date/Time of the offense:** Automatically listed at the top of the screen. This information is brought forward from the speed measurement itself and cannot be edited.
- **Citation#:** Enter the issued citation number.
- **Offense:** Select the offense committed by the driver.
- **#Occupants:** Enter the number of occupants inside the vehicle at the time of the offense.
- **License#:** Enter the driver's license number of the offender.
- **Note:** Enter any other additional information about the offense.

To Save Ticket Information to an Enforcement Record:

1. Tap the "Ticket" tab at the bottom of the Save screen. The "Ticket" tab (Figure 62) is displayed where detailed information with regard to the actual citation is entered.
2. Tap "Citation#" field to place the cursor. Enter the issued citation number here.
3. Tap "<Offense>" to bring up a list of other offense options (Figure 63). In this example, the selected offense is speeding.
4. Tap the "#Occupants" field to enter the number of occupants in the vehicle at the time of the offense (Figure 64).

Figure 62

Figure 63

Figure 64

5. Tap the "License#" field to enter the offender's driver's license number (Figure 65). Tapping "Done" on the keyboard removes it from view.
6. Tap "<Note>" to enter any additional information about the incident (Figure 66).

Figure 65 shows the 'Enforce' screen with the following fields and values:

- Citation#**: 2234567
- Speeding**: (info icon)
- #Occupants**: 1
- License#**: CO 941110000 (with a keyboard overlay showing the text '941110000' and a 'Done' button)

Figure 65

Figure 66 shows the 'Enforce' screen with the following fields and values:

- Date/Time**: 2015-10-30 16:45:08
- Citation#**: 2234567
- Speeding**: (info icon)
- #Occupants**: 1
- License#**: CO 941110000
- <Note>**: (active field)
- Save**: (button)

Figure 66

General Tab

After all the desired vehicle and offense information is entered in the Car and Ticket tabs, check the "General" tab to verify that the information is correct. This tab is the same as the General tab in Settings. It exists here in case Officer Name, Location, etc. need to be edited at the last minute. For example, if the phone is a department shared phone, it is possible that the Officer Name is incorrect from previous use. The information contained in this tab carries over from what was entered in Settings before taking any speed measurements. Location can be manually entered here, if not satisfied with the closest address provided by the app location services. See Configuring the Settings/Ticket Tab on [page 5](#) for help entering these settings. Tap the "Save" button to save the speed measurement record (Figure 67).

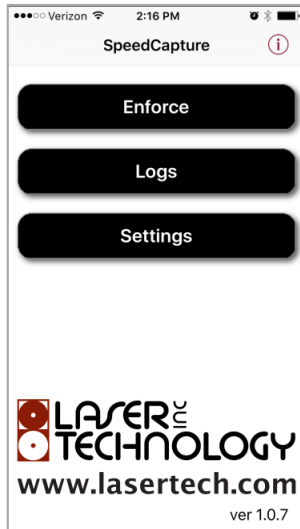
Figure 67 shows the 'General' screen with the following fields and values:

- Officer**: Officer Name
- Location**: 6912 S Quentin St, Centennial, CO 80112, United States
- Direction**: N
- Speed limit**: 60
- GPS**: off (toggle switch)
- Save**: (button)

Figure 67

4. Enforcement Records

At any time, saved enforcement records may be reviewed or downloaded to a computer by utilizing SpeedCapture's "Logs" section. In this section, choose to either look at records from a specific time period or all the records listed on the phone.



Tap "Logs" to review or download detailed records of speed measurements (Figure 68).

Figure 68

Review Enforcement Records

Review All Enforcement Records

To review all records logged on the phone:

1. Select "All" across all three scrollbars (Figure 69).
2. Tap "View Log." SpeedCapture will display a list of all the records made on that particular phone.
3. Tap an individual record to view its details (Figure 70). In this example, the record "F-650 / Green" was selected. SpeedCapture will display that individual record (Figure 71).

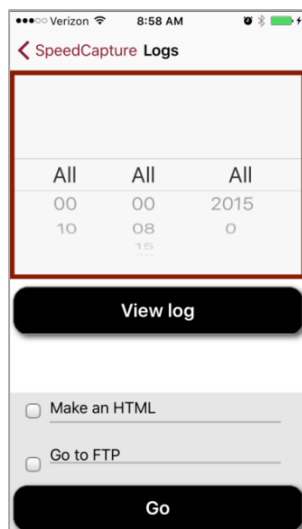


Figure 69

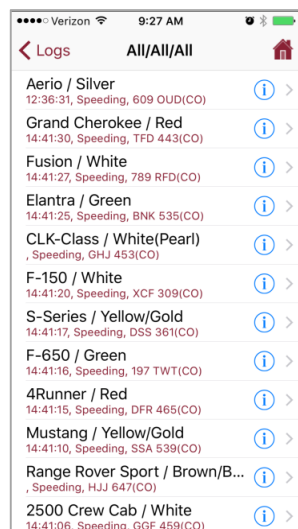


Figure 70

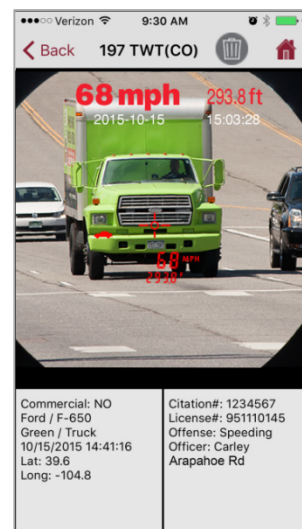


Figure 71

Review Records from a Specific Time Period

To review records from a specific time period logged on the phone:

1. Select month/day/year of the records to view across each scrollbar respectively (Figure 72).
2. Tap "View Log." SpeedCapture will display a list of all the records made during that specific time period with that particular phone.
3. Tap an individual record to view its details (Figure 73).
SpeedCapture will display that individual record (Figure 74).

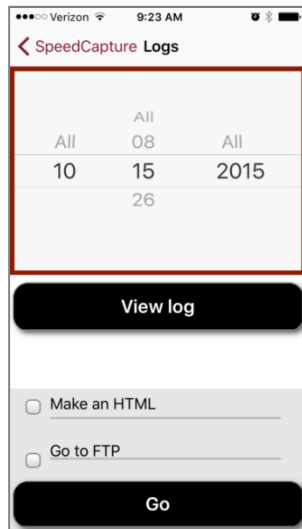


Figure 72

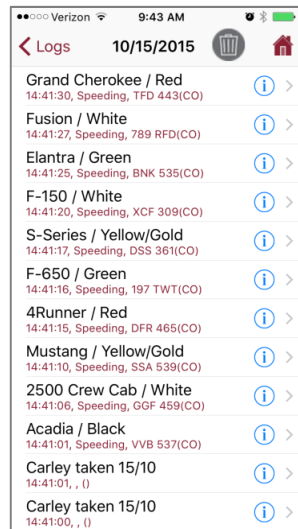


Figure 73

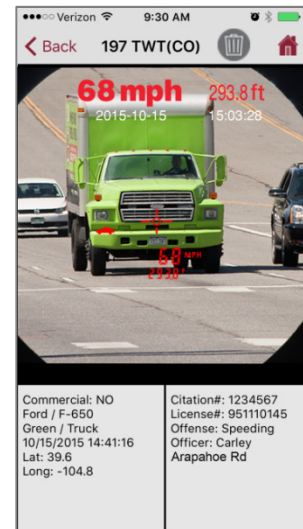



Figure 74

Edit Enforcement Records

Enforcement records can be saved to the "Logs" section of SpeedCapture requiring only the "Officer Name" field to be filled. When enforcement records are viewed, they may be edited to add further information, if desired. When viewing an individual record, tap the information display windows (Figure 75) at the bottom of the record to open the fields for editing. Remember that you must tap "Save" to apply any changes made.

NOTE Enforcement records may also be deleted. To do so, tap the  icon in the upper right-hand corner of the screen.

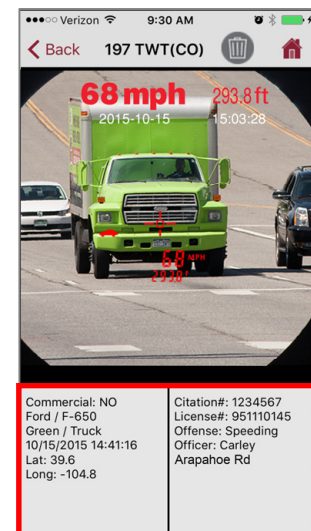
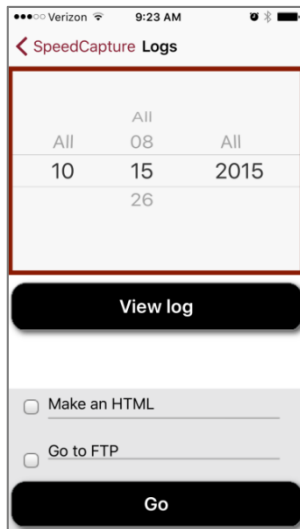


Figure 75

Download Enforcement Records

All saved enforcement records can be reviewed and downloaded to a computer through SpeedCapture's "Logs" section. To begin, select the dates to be downloaded:



For this example, the day 10-15-2015 has been selected for download.

At the bottom of the screen, there are two choices for downloading log records (Figure 76):

- **Make an HTML:** Selecting this option and tapping "Go" will save the selected records to an HTML file that can later be downloaded to a computer through iTunes.
- **Go to FTP:** Selecting this option also creates an HTML file of the selected records and then uploads the file to a user-defined server destination.

NOTE When "Go to FTP" is selected, the option "Make an HTML" will be automatically selected as well because it is the default file type created by SpeedCapture for downloading.

Figure 76

Access HTML Log Files in iTunes

After selecting "Make an HTML" from the Logs section, do the following to access those records:

1. Connect the phone to a computer and launch iTunes. When the phone is synced, the menu options Summary, Apps, Music, etc. will display on the left side of the screen (Figure 77).
2. Select "Apps."



Figure 77

3. Scroll down to the bottom of the "Apps" page and find the "File Sharing" section.
4. Select SpeedCapture from the list of available apps. The folder containing the HTML file to upload will appear in the screen to the right entitled "SpeedCapture Documents."
5. Select the folder that includes the relevant date selection from the SpeedCapture Documents list (Figure 78) and then select the "Save to..." button in the bottom right-hand corner of the screen.

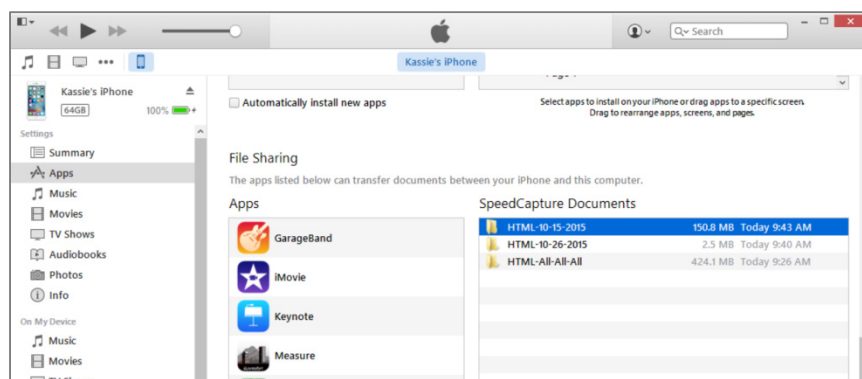
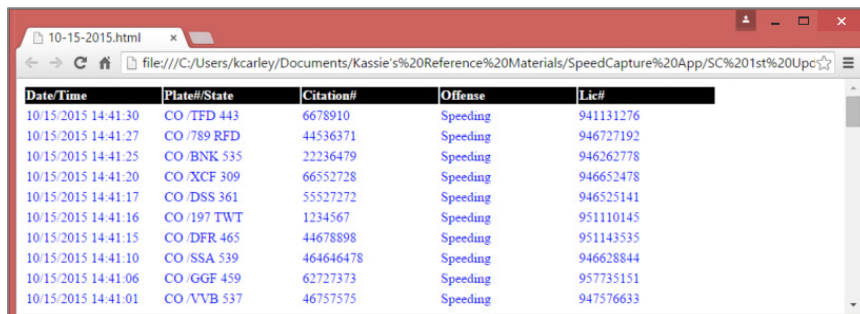


Figure 78

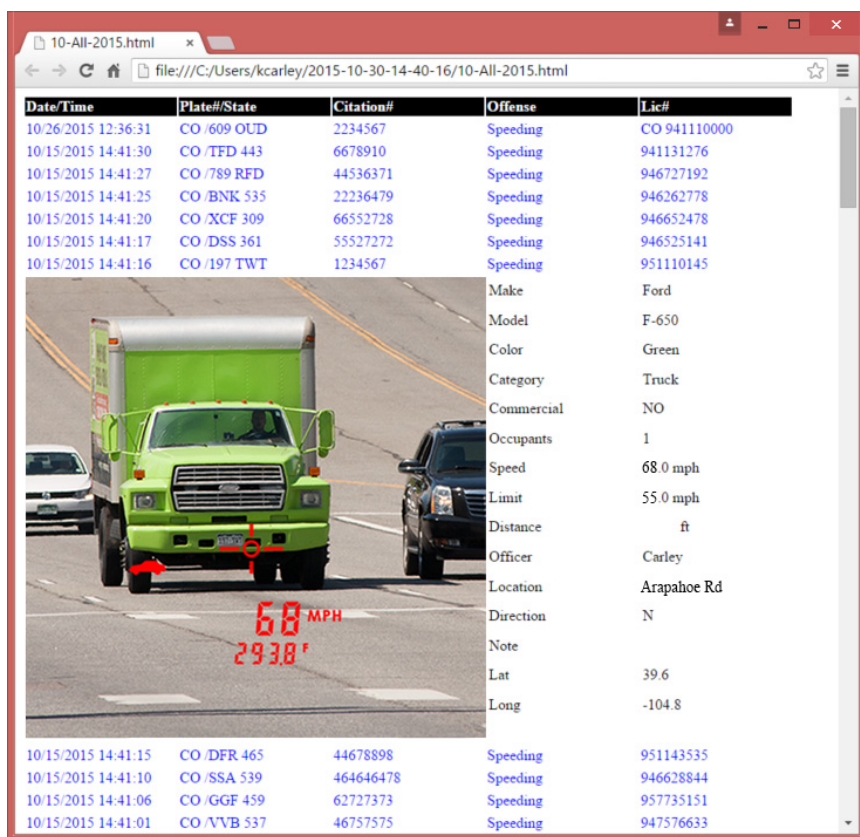
6. Browse and save the HTML folder to a destination of choice.
7. Double-click the saved file on the computer to view the speed measurement records from the time period previously selected (Figure 79). Filename will be "All-all-all.html" or the dates chosen (for example "10-15-2015.html") depending on what was selected in the Logs Section of SpeedCapture.



Date/Time	Plate#/State	Citation#	Offense	Lic#
10/15/2015 14:41:30	CO /TFD 443	6678910	Speeding	941131276
10/15/2015 14:41:27	CO /789 RFD	44536371	Speeding	946727192
10/15/2015 14:41:25	CO /BNK 535	22236479	Speeding	946262778
10/15/2015 14:41:20	CO /XCF 309	66552728	Speeding	946652478
10/15/2015 14:41:17	CO /DSS 361	55527272	Speeding	946525141
10/15/2015 14:41:16	CO /197 TWT	1234567	Speeding	951110145
10/15/2015 14:41:15	CO /DFR 465	44678898	Speeding	951143535
10/15/2015 14:41:10	CO /SSA 539	464646478	Speeding	946628844
10/15/2015 14:41:06	CO /GGF 459	62727373	Speeding	957735151
10/15/2015 14:41:01	CO /VVB 537	46757575	Speeding	947576633

Figure 79

8. Single-click on any of the records in blue to display the full saved contents of the record including the photograph of the vehicle (Figure 80).
9. Click the record a second time to close it.



Date/Time	Plate#/State	Citation#	Offense	Lic#
10/26/2015 12:36:31	CO /609 OUD	2234567	Speeding	CO 941110000
10/15/2015 14:41:30	CO /TFD 443	6678910	Speeding	941131276
10/15/2015 14:41:27	CO /789 RFD	44536371	Speeding	946727192
10/15/2015 14:41:25	CO /BNK 535	22236479	Speeding	946262778
10/15/2015 14:41:20	CO /XCF 309	66552728	Speeding	946652478
10/15/2015 14:41:17	CO /DSS 361	55527272	Speeding	946525141
10/15/2015 14:41:16	CO /197 TWT	1234567	Speeding	951110145

Make	Ford
Model	F-650
Color	Green
Category	Truck
Commercial	NO
Occupants	1
Speed	68.0 mph
Limit	55.0 mph
Distance	ft
Officer	Carley
Location	Arapahoe Rd
Direction	N
Note	
Lat	39.6
Long	-104.8

10/15/2015 14:41:15	CO /DFR 465	44678898	Speeding	951143535
10/15/2015 14:41:10	CO /SSA 539	464646478	Speeding	946628844
10/15/2015 14:41:06	CO /GGF 459	62727373	Speeding	957735151
10/15/2015 14:41:01	CO /VVB 537	46757575	Speeding	947576633

Figure 80

Access HTML Log Files via FTP Transfer

Law enforcement IT departments can set up a server location that downloaded enforcement records can go to via FTP. These records come in to the location organized by Officer Name, Date of Upload, and Time of Upload. FTP shortcuts can be set up for each Officer to access their own log files or for anyone who will be further processing the data.

After selecting "Use FTP" and "Go" from the Logs section (Figure 76, [page 27](#)), do the following:

1. Enter the Hostname, Port, Username, and Password for the server location the files will transfer to (Figure 81). SpeedCapture will remember this information indefinitely unless the app is uninstalled from the phone.
2. When prompted, choose whether to delete or keep the enforcement records being transferred (Figure 82).
3. There are various ways to access data transferred via FTP. In this example, a shortcut has been set up on the work station desktop. Double-click the shortcut (Figure 83).
4. File Explorer will display showing folders for each Officer that is sending files to the server location.

NOTE SpeedCapture iOS requires an initial receiving folder structure to be built that consists of a folder "SpeedCapture" with a subfolder of "iOS". Whatever is entered in the Officer Name field (Figure 8, [page 5](#)) is what will be used as the next folder in the file structure on the server. If using this feature, ensure that Officer Names remain consistent.

5. Double-click the folder with the desired upload date to view the contents, and then double-click the folder with the desired upload time (in Figure 80 on [page 29](#), time is military).
6. Downloaded files will display (Figure 84).

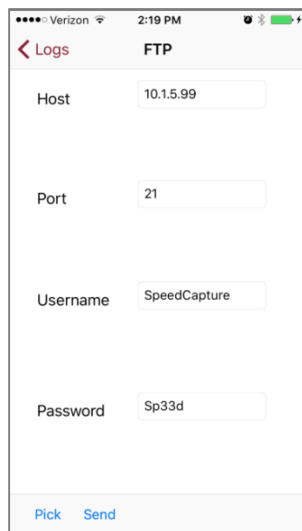


Figure 81

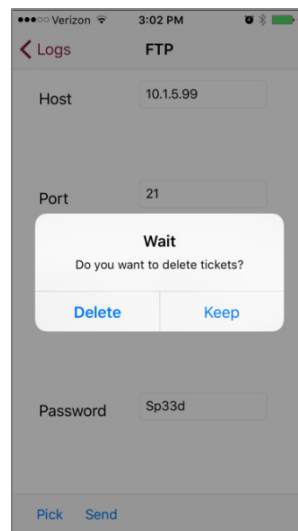


Figure 82

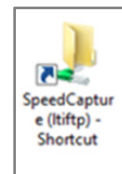


Figure 83

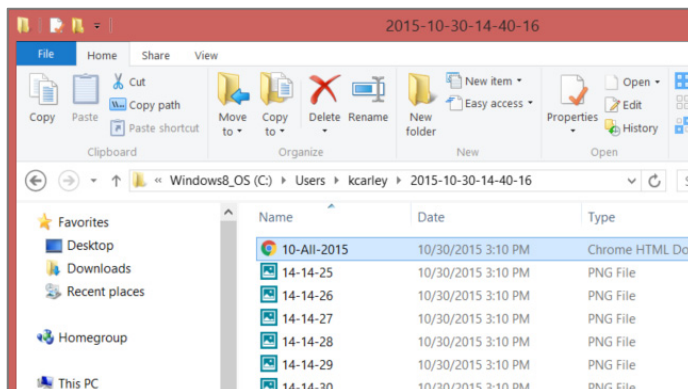


Figure 84

Description of Downloaded Files:

10-All-2015.html: This is the primary log file. Open (double-click) this file to view the enforcement records.

14-14-25.PNG: This is an image file associated with the HTML file. If image files are deleted or moved, the HTML file will no longer display the images in the records. The number of image files will equal the number or enforcement records that were downloaded.

NOTE "All-All-All" will display as the filename if that was the time-period selection made when the download was initiated. If specific time period was selected, the filename will include the date.

7. Double-click All-All-All.html to see the detailed enforcement records.
8. Single-click on any of the records in blue to display the full saved contents of the record including the photograph of the vehicle (Figure 85).
9. Click the record a second time to close it.

The screenshot shows a web browser window with the address bar displaying the file path: file:///C:/Users/kcarley/2015-10-30-14-40-16/10-All-2015.html. The main content area displays a detailed enforcement record for a speeding truck. The record includes a photograph of the truck, a table of vehicle details, and a table of enforcement records.

Date/Time	Plate#/State	Citation#	Offense	Lic#
10/26/2015 12:36:31	CO /609 OUD	2234567	Speeding	CO 941110000
10/15/2015 14:41:30	CO /TFD 443	6678910	Speeding	941131276
10/15/2015 14:41:27	CO /789 RFD	44536371	Speeding	946727192
10/15/2015 14:41:25	CO /BNK 535	22236479	Speeding	946262778
10/15/2015 14:41:20	CO /XCF 309	66552728	Speeding	946652478
10/15/2015 14:41:17	CO /DSS 361	55527272	Speeding	946525141
10/15/2015 14:41:16	CO /197 TWT	1234567	Speeding	951110145

The photograph shows a green Ford F-650 truck driving on a road. A red laser line is visible on the truck's front. The speed is displayed as 68 MPH and the distance as 2938 ft.

Make	Ford
Model	F-650
Color	Green
Category	Truck
Commercial	NO
Occupants	1
Speed	68.0 mph
Limit	55.0 mph
Distance	ft
Officer	Carley
Location	Arapahoe Rd
Direction	N
Note	
Lat	39.6
Long	-104.8

10/15/2015 14:41:15	CO /DFR 465	44678898	Speeding	951143535
10/15/2015 14:41:10	CO /SSA 539	464646478	Speeding	946628844
10/15/2015 14:41:06	CO /GGF 459	62727373	Speeding	957735151
10/15/2015 14:41:01	CO /VVB 537	46757575	Speeding	947576633

Figure 85