



User Manual

Ver. 1.51

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I. Installation:

A. Scenario A – Brand New Phone

1. When installing VelaSense on a brand new Android phone, first follow the normal startup screens that are provided by the manufacturer and activate Google TalkBack. During the startup process, Google TalkBack can be activated with a simple gesture upon display of the onscreen prompt*. If you require further assistance, please see the instructions that came with your device or ask your Verizon dealer to illustrate how accessibility is typically activated and configured on your phone. After starting TalkBack, it is recommended that you view the TalkBack tutorial to fully understand the various TalkBack gestures and method of use for accessing and operating the basic hardware, operating system and installed applications related to your Android smartphone.
2. When you have finished with the above startup procedure for your device and it has been activated by the carrier and contains an active network connection.** Click on the Google Play icon (Please note, In order to download apps from the Google Play Store you will first need an active Gmail account, if you do not already have a personal Gmail account please create one by going to the signup page at <https://accounts.google.com/SignUp>). After clicking on the Google Play icon you will be brought to a browser window for accessing the Google Play Store. Find the VelaSense by Visus Technology by using the search box for Google Play. After you locate the VelaSense App, Click Install and then agree to the application privileges by clicking on the Next button.
3. After the application is installed, your Application Menu will now contain an icon for starting the VelaSense application. Please locate and double tap this icon to launch the VelaSense software. *[For more details about native configuration options, read Section IV on page 9]*
4. Upon first time use of VelaSense you will be taken to free trial offer screen which allows the activation of a limited free trial use of VelaSense. After activating free trial and entering the software, you will be offered the VelaSense Product Tutorial, this tutorial will guide you through several examples of using the VelaSense product. This tutorial overviews the basic gestures and methods of use involved with the VelaSense product. You can exit the tutorial at any time and then re-start it by accessing **Tools | Settings | User Tutorial** or double tap product logo for quick access to the tutorial restart function.

B. Scenario B – Your Existing Phone

1. If you are installing VelaSense on your existing phone, you should first enable Google Talkback by locating the on/off switch at **Settings | System | Accessibility | TalkBack**
2. Ensure that you have an active network connection* on your phone.
3. Click on the Google Play icon and then continue by following steps 2 thru 4 as described in the Scenario A procedure for new phone installation.

* Although the procedures involved with your new phone setup and first time activation of Google TalkBack are designed for maximum accessibility, sighted assistance may be required to complete the documented procedures.

** The VelaSense product can be installed using a standard network connection. All VelaSense network features can be operated over a standard Internet connection. Some features such as Phone and SMS require an active phone signal.

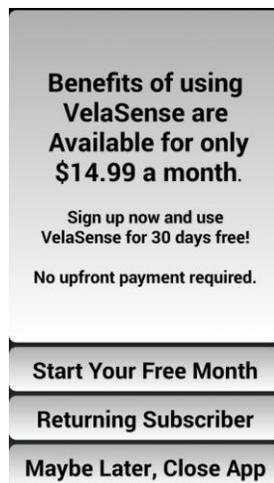
II. Signup and Billing

Signup for VelaSense by providing a valid email address and then activating your 30-day free trial. There is no obligation to purchase. At the end of the free trial period, you will be given the option to subscribe for on-going use of the product. Several payment options are available; these include direct billing to your phone statement (for eligible Verizon subscribers only), online payment via your credit card, or phone call payment via your credit card. Charges will be billed on a monthly basis. You can easily cancel your subscription at any time. You may also transfer an active subscription to another phone whether or not your phone number has changed. Direct billing to your phone statement or credit card will be unaffected by a change in device and it is your responsibility to cancel the subscription or transfer your subscription to the new device in order to avoid a loss of service continuity and/or regain access to the product.

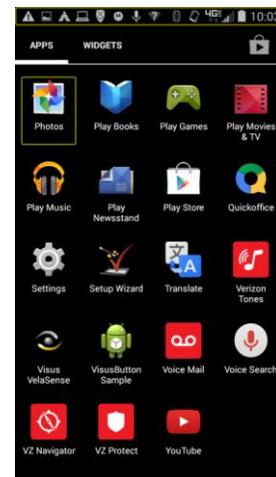
This section describes the free trial activation process and the subscription purchase sequence, including the steps to transfer your subscription to another device, as well as the procedure for cancelling your subscription via the accessible subscription management feature located from the VelaSense home menu.

Sections A thru G of this chapter illustrate the various usage sequences involved with free trial activation and use, subscription purchasing options, and transferring your subscription between devices. If you experience unforeseen problems activating the free trial, purchasing a subscription, or managing your profile please contact Verizon Customer Care at 1-888-262-1999.

A. Free Trial Offer/Returning Subscriber Support



This is the trial offer screen which appears upon first-time use of the VelaSense.



After installing VelaSense, you will find the icon located among your applications.

A. Free Trial Offer/Returning Subscriber Support (continued)

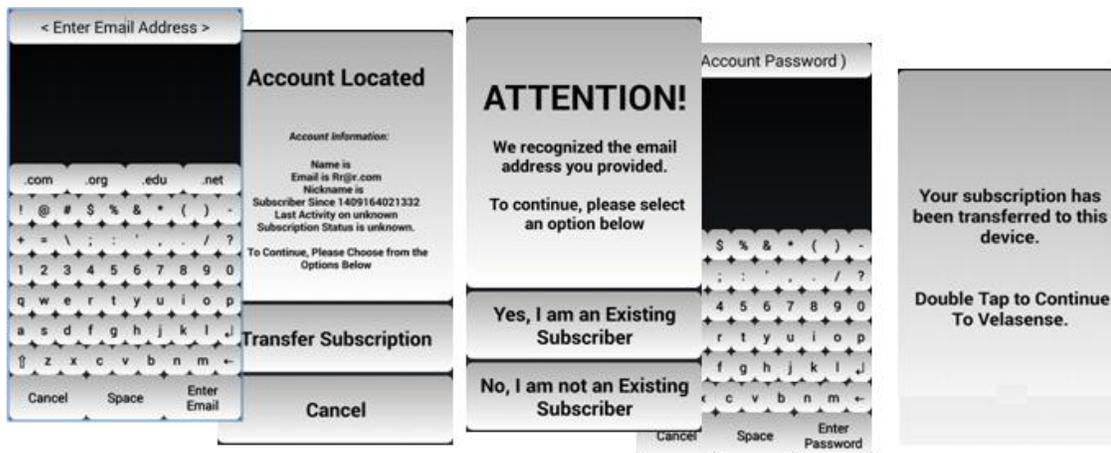
1. The Free Trial Offer/Returning Subscriber Support will launch automatically on the first use of VelaSense after the application is downloaded to your phone from the Google Play Store.
2. VelaSense offers a 30 day free trial followed by an option to subscribe to the service for a monthly fee. The option to purchase will be provided at the conclusion of the trial period.
3. In order to activate the free trial, tap on the “Start Your Free Month” button as shown on the previous page. This will take you to the New User Signup screen shown in Section B below.
4. If you are a returning subscriber, choose the “Returning Subscriber” option and enter your profile email and password to transfer your subscription from your previous device to your new device as shown in Section C of this chapter.
5. An exit option is also available. The app will remain in this mode indefinitely and until you are ready to engage the trial or transfer your subscription to the new device. If you exit the application you can restart VelaSense by locating it in our phone’s applications menu and selecting the Icon labeled “VelaSense” as shown in the figure above.

B. Free Trial Activation Procedure

<p>Sign Up For VelaSense</p> <p>First 30 Days free!</p> <p>You will not be billed automatically.</p> <p>By starting the free trial you are agreeing to the Terms of Service and Privacy Policy</p> <p>Enter Account Email</p> <p>View Terms of Service</p> <p>View Privacy Policy</p> <p>Start Free Trial Now</p> <p>Cancel</p>	<p>< Enter Email Address ></p> <p>.com .org .edu .net</p> <p>! @ # \$ % & * () -</p> <p>+ = \ ; : ' , . / ?</p> <p>1 2 3 4 5 6 7 8 9 0</p> <p>q w e r t y u i o p</p> <p>a s d f g h j k l</p> <p>↑ z x c v b n m ←</p> <p>Cancel Space Enter Email</p>	<p>TERMS OF SERVICE</p> <p>END USER LICENSING AGREEMENT FOR VELASENSE</p> <p>Visus Technology, Inc. (VISUS) hereby gives you a non-exclusive license to use the software VelaSense (the Software). For evaluation, the license is granted, and is time-limited. For registered release you have to pay a license fee, by following instructions prompted by the program.</p> <p>You may:</p> <ul style="list-style-type: none"> - use the Software on any single device; - use the Software on a second device so long as the primary user of each copy is the same person and more than one copy is not used simultaneously; - copy the Software for archival purposes, provided any copy contains all of the original Software's proprietary notices. <p>You may not:</p> <ul style="list-style-type: none"> - permit other individuals to use the Software except under the terms listed above; <p>Return To Signup</p>	<p>PRIVACY POLICY</p> <p>What information do we collect?</p> <p>We collect information from you when you register on our site, place an order, subscribe to our newsletter, respond to a survey, fill out a form or use the VelaSense app.</p> <p>When ordering or registering on our site, as appropriate, you may be asked to enter your: name, e-mail address, mailing address or phone number. You may, however, visit our site anonymously.</p> <p>What do we use your information for?</p> <p>Any of the information we collect from you may be used in one of the following ways:</p> <ul style="list-style-type: none"> ; To personalize your experience(your information helps us to better respond to your individual needs) ; To improve our website(we continually strive to improve our website offerings based on the information and feedback we receive from you) <p>Return to Signup</p>
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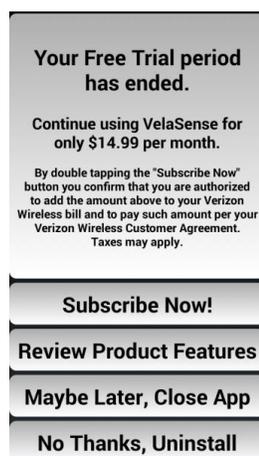
1. First time VelaSense users are required to provide a valid email address in order to activate the free trial. We recommend using your regular email account for your VelaSense profile.
2. Use the keypad provided to enter your profile email address.
3. Access and read the Terms of Service and Privacy Policy disclosures.
4. The free trial offer is initiated once you double tap on the “Start Free Trial Now” option, provided a valid email been entered using the keypad provided.

C. Returning Subscriber Support

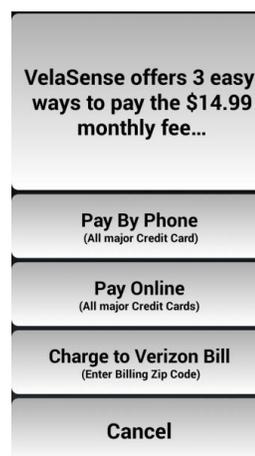


1. To transfer your VelaSense subscription (or a free trial in progress) to a new device, use the “Returning Subscriber” button shown in the trial offer screen shown previously on page 2.
2. To transfer your subscription to the new device, start by entering your account profile email and then confirm that you are an existing subscriber.
3. After confirming that you are an existing subscriber you will be prompted to enter in your VelaSense profile password, after entering the correct password, select the “Transfer Subscription” button to complete the software license transfer to the new device.
4. When new devices are issued directly by Verizon, subscription transfer is auto-dispatched and the steps above are not necessary (steps shown are for credit card subscribers only)

D. Trial Expired and Payment Options Flow



At the end of the trial, the expired trial screen appears.



Multiple payment options are available for subscribing.

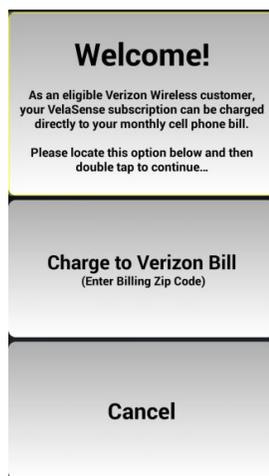


To review product features, peruse the reminders menu.

D. Trial Expired and Payment Options Flow (continued)

1. Upon the completion of the 30-day free trial, the product will enter the Trial Expired Mode.
2. From this mode you can purchase a subscription using several payment methods depending on your eligibility. These methods are shown above center and are described in more detail in sections E, F and G of this chapter.
3. You may review a summary of the product features using the button provided. The features review screen provides a scrolling list of features as shown above right hand.
4. You may exit to the desktop or uninstall the VelaSense application from the trial expired screen. VelaSense will remain in the expired mode upon restarting or re-installing the app.

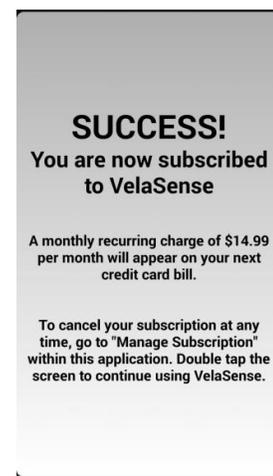
E. Subscription Purchase (Statement Billing Method)



Eligible Verizon subscribers offered direct billing option.



Enter zip code on Verizon bill. or cancel for more pay options.



After successful payment you will see the notice above.

1. Eligible Verizon customers have the option of paying the VelaSense monthly subscription fee as a premium service fee billed directly to their cell phone monthly billing statement. This is the easiest method of payment for VelaSense and is available exclusively to eligible Verizon customers. It is recommended to use direct billing for eligible customers.
2. Signup is fast and easy requiring the user to provide the zip code reflected on their monthly Verizon statement. This is done using the number entry pad shown above center.
3. Upon entering a valid zip code the user will successfully activate the subscription as shown above right.
4. Note, eligible customers also have the option of using an alternative billing method if they so choose, access to alternate billing methods is provided by hitting the "Cancel" key in the zip code entry pad. Alternate payment methods are described in sections F and G of this chapter.

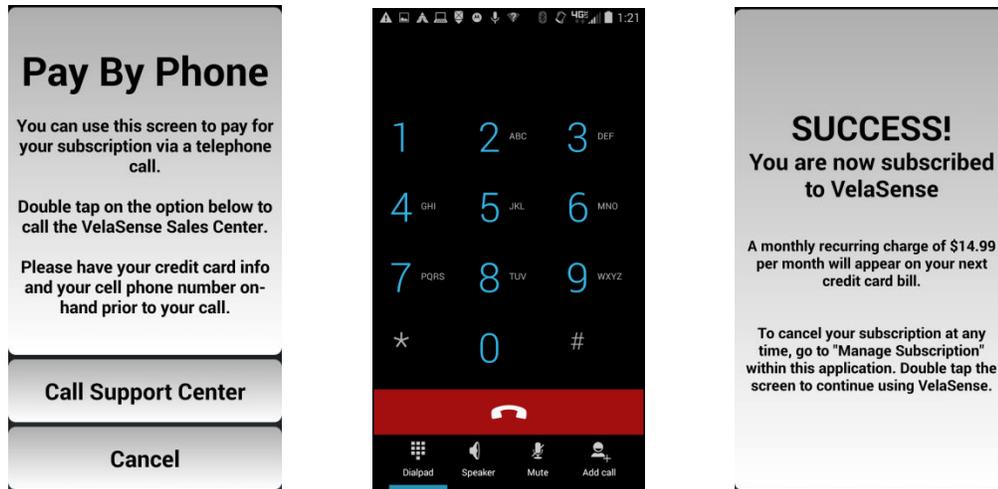
F. Subscription Purchase (Online Billing Method)

<p>VelaSense offers 3 easy ways to pay the \$14.99 monthly fee...</p>	<p>SUBSCRIBE NOW USING YOUR CREDIT CARD <small>To subscribe now please enter your card information and submit.</small></p>	<p>4242424242424242</p>	<p>CONTINUE TO ENTER CREDIT CARD INFO <small>(5 of 5 required steps complete)</small></p>									
<p>Pay By Phone <small>(All major Credit Card)</small></p>	<p>Enter Card Number</p>	<table border="1"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> </table>	1	2	3	4	5	6	7	8	9	<p>4242424242424242</p>
1	2	3										
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<p>Pay Online <small>(All major Credit Cards)</small></p>	<p>Enter Expiration Date</p>	<table border="1"> <tr><td colspan="3">0</td></tr> </table>	0			<p>02/2015</p>						
0												
<p>Charge to Verizon Bill <small>(Enter Billing Zip Code)</small></p>	<p>Enter Security Code</p>	<table border="1"> <tr><td colspan="2">Clear</td><td>Backspace</td></tr> </table>	Clear		Backspace	<p>123</p>						
Clear		Backspace										
<p>Cancel</p>	<p>Enter Billing Zip Code</p>	<p>Enter Card Number</p>	<p>02048</p>									
	<p>Enter Email Address</p>		<p>user@youraddress.com</p>									
	<p>Cancel</p>	<p>Submit Payment</p>	<p>Cancel</p>									
			<p>Submit Payment</p>									

<p>YOUR SUBSCRIPTION IS CONFIRMED <small>Double tap this screen to complete the signup process and start using VelaSense.</small></p>	<p>SUCCESS! You are now subscribed to VelaSense</p> <p>A monthly recurring charge of \$14.99 per month will appear on your next credit card bill.</p> <p>To cancel your subscription at any time, go to "Manage Subscription" within this application. Double tap the screen to continue using VelaSense.</p>
<p>XXXXXXXXXXXX4242</p>	
<p>02/2015</p>	
<p>XXX</p>	
<p>02048</p>	
<p>user@youraddress.com</p>	
<p>Cancel</p>	<p>Processing Complete</p>

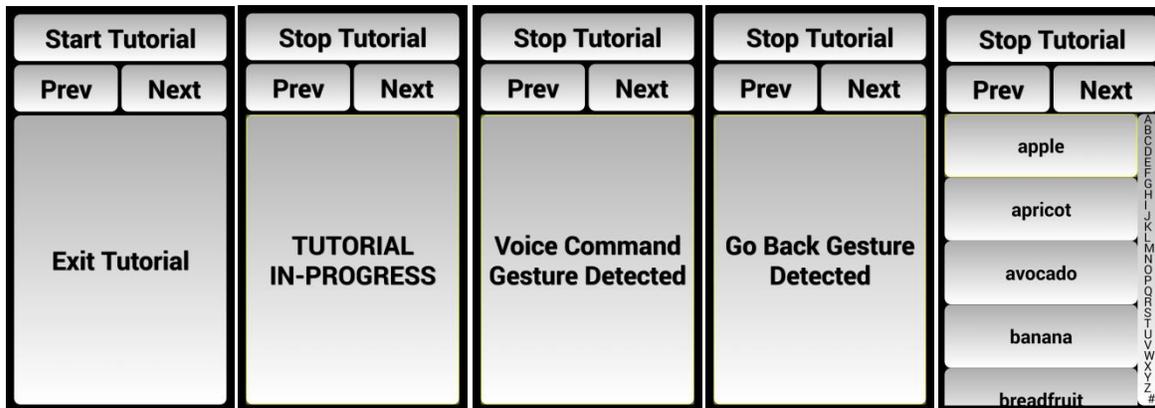
1. All customers have the option of subscribing to VelaSense using an online credit card payment method. Payment can be made using Visa, MasterCard, AMEX and Discover.
2. Data entry pads are provided to submit the required credit card information.
3. Enter the required information including your credit card number, expiration date, card security code, billing zip code as shown on card billing statement and a billing email address.
4. Upon successfully subscribing your credit card will be billed on a monthly basis.

G. Subscription Purchase (Phone Billing Method)



1. All customers have the option of subscribing to VelaSense using a pay-by-phone credit card payment method. Payment can be made using Visa, MasterCard, AMEX and Discover.
2. An auto-dialer is provided to reach our sales support center required credit card information should be provided to the sales agent upon request.
3. The sales agent will request the required information including your credit card number, expiration date, card security code, billing zip code as shown on card billing statement and a billing email address. You will also be **required to confirm your phone number** to complete the pay-by-phone sales process.
4. Upon successfully subscribing your credit card will be billed on a monthly basis.

III. Tutorial



You can practice all phone interactions such as voice recognition, button presses and hand gestures as well as practice keyboard and scrollable views

1. Upon completion of the billing process, the tutorial will launch automatically to teach you additional VelaSense hand gestures and button presses that expand upon the Talkback gestures.
2. Hold your finger down on the screen and slide it to the top of the screen. When you hear the start tutorial button, tap it twice quickly or double click.
3. If you wish to stop tutorial, just move your finger to the stop tutorial button and double click.
4. If you wish to exit the tutorial, then it must first be stopped (you cannot exit the tutorial while it is in the running state). To exit, use the main exit button shown, the back button, or a two finger right to left.
5. If you wish to return to the tutorial at any time in order to improve your skills, the tutorial can be found under VelaSense Settings. Click on **Tools | Settings | User Tutorial** or use the quick reference menu by tapping the VelaSense logo at the top of the home menu.

IV. Native Accessibility Settings

(Referencing Your Manufacturer's Default Settings for Accessibility)

G. Android Accessibility Menu - Available on Most Phones

1. TalkBack On/Off – switch to turn TalkBack service on or off. It is **highly recommended** that TalkBack is turned on when using VelaSense.
2. Dark Screen – keep the screen dark but the touch screen is active for hand gestures. This on/off feature is used for screen privacy.
3. Speak Passwords – characters entered in password fields are read aloud.
4. Font Size – adjust font size of all fields on the phone.
5. Magnification gesture – when on and you triple tap the screen, you can magnify the letter
6. Notification reminder – phone notifications are beeped at a set interval until you read the notification
7. Negative Colors – places the screen in a negative display mode inside and outside of VelaSense
8. Color adjustment – adjust the colors seen on the screen outside of VelaSense for those with poor color vision
9. Accessibility shortcut – you can turn native phone accessibility on or off using simple gesture interactions with the phone
10. Text-to-Speech Options – you can adjust language, pitch, text-to-speech engine, rate, etc.

H. TalkBack Settings - Choose TalkBack from Accessibility Menu

1. Speech Volume – match or reduce the text-to-speech volume based on the media volume level.
2. Pitch Changes – speak keyboard feedback in a lower pitched voice (used outside of VelaSense)
3. Keyboard echo – speaks the key typed (used on keyboards outside of VelaSense)
4. Speak When Screen is Off – on/off switch to toggle whether the phone talks when screen is off
5. Proximity Sensor – when this is on, the light sensor can be used to stop audio feedback.
6. Shake to start continuous reading – when on, shaking phone starts audio reading of entire page.
7. Speak Caller ID – if on, phone will speak the contact information of the person calling
8. Vibration Feedback – provides vibratory feedback during alerts, notifications and when exploring the screen
9. Sound feedback – on/off switch for tones that are heard while exploring, selecting or scrolling.
10. Focus speech audio – if on, will quiet all media applications like music, videos and radio during an audio feedback announcement
11. Sound Volume – allows you to match or reduce the tones you hear as audio feedback based on the current level of the media volume
12. Explore By Touch – On/Off switch to enable/disable audio feedback when exploring the screen.
13. Launch Explore By Touch Tutorial – this is the TalkBack tutorial we highly recommend that each user of VelaSense also participate in the TalkBack tutorial.
14. Automatically Scroll Lists -by default, list items in on-screen list boxes will scroll automatically. If you would like this not to happen, un-tick the tick-box.
15. Manage Gestures – manages the native TalkBack gestures.
16. Resume From Suspend – select the way you can resume TalkBack if you suspend it.

V. Gestures

VelaSense software gestures are designed to interact with Google TalkBack gestures and provide a comprehensive accessibility environment for the visually impaired.

Using VelaSense requires that Goggle Talkback be enabled on your device. Tables provided below detail application gestures for VelaSense and also the integrated Talkback gestures.

Gesture	Gesture Name	Description of Gesture	Purpose of Gesture
	Finger Touch	Place finger down on the screen and then move it about	Used for exploration of the buttons and text fields on the screen.
	Finger Lift	Lift finger from the screen when it is over the desired button or text field	Used to lock item for selection on regular menus. On keyboard or dial pad, lift will select letter or number.
	Double tap	Rapidly tap your finger twice anywhere on the screen.	Selects item chosen by finger lift gesture. Items containing the word "button" are actionable items leading to other functions.
	Two finger left swipe	Place two fingers on right side of screen and drag across to the left	Closes the current screen and returns to the previous screen
	Two finger touch	Place two fingers onto the screen	Over inactive areas, it will stop audible announcement. If over a button, will select item.
	Two finger scroll gesture*	Place two fingers on a scrollable list and move it up or down	Used to move a list in order to seek items that are not shown on the screen at first glance.
	Pinch	Place two fingers side by side on the screen and spread them apart	Used for zooming in on pictures or magnified pages

TABLE V.1 VelaSense Application Gestures

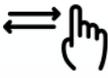
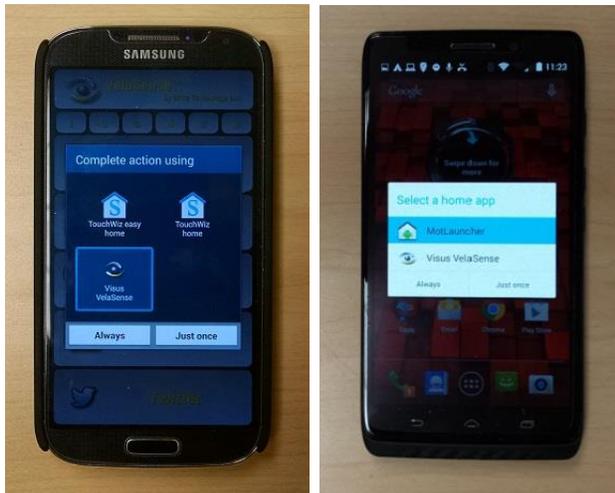
Gesture	Gesture Name	Description of Gesture	Purpose of Gesture
	One finger left or right swipe (Flick Gesture)	Place one finger on the screen and swipe to the left or right	Will move focus from button to button on the screen. When granularity is active, it will allow you to move character by character or word by word, etc..
	Two finger scroll gesture	Place two fingers on a scrollable list and move it up or down	Used to move a list in order to seek items that are not shown on the screen at first glance.
	Triple tap	Rapidly tap one finger three time anywhere on the screen	When magnification is turned on in the Android Accessibility Settings this will magnify any object for view with the Pinch Gesture
	One finger up and to the left	Place one finger near the bottom of the screen. Move the finger up and then move 90 degrees to the left	Same as pressing the home button on the phone
	One finger down and to the left	Place one finger near the top of the screen. Move the finger down and then move 90 degrees to the left	Same as pressing the go back button on the phone
	One finger up and to the right (Granularity Control)	After selecting button or textfield, place one finger near the bottom of the screen. Move the finger up and then move 90 degrees to the right. A wheel will appear and you must hold your finger to the screen and move around in a circle to select your item and then lift	Used to activate the granularity menu that will allow you to select whether to flick through items character by character, word by word, or paragraph by paragraph
	One finger down and to the right (Exploration or TalkBack control)	Place one finger near the top of the screen. Move the finger down and then move 90 degrees to the right. A wheel will appear and you must hold your finger to the screen and move around in a circle to select the item and then lift. Also two buttons at the top of the screen appear.	Used to activate an exploration gesture such as read all items on the screen or spell last utterance. The two buttons at the top corners of the screen will pause Talkback or take you directly to TalkBack Settings.

TABLE V.2 Integrated TalkBack Gestures

VI. Home Button Configuration

VelaSense resides in the Android operating system as a home application. This means that when the home button is pressed, the VelaSense application will appear in the home app launcher beside the normal Android desktop. This configuration allows for easy transitioning between the VelaSense application and the normal Android desktop.



Pressing the home button will invoke the launcher dialog box, examples above are shown for Samsung Galaxy (left) and Motorola Droid (right)

1. Press the home button and click on the Visus VelaSense icon.
2. Select either “Always” if you always want the home button to correspond to VelaSense or select “Once” if you only want the home button to start VelaSense in this instance.

- a. **Warning:** If you select “Always”, you will be locked into VelaSense. Then, the only way to reach the native Android home screen of the smart phone is to click on the Exit VelaSense button located from the home menu at:

Tools | Settings | Exit VelaSense

VII. Home Screen Menu

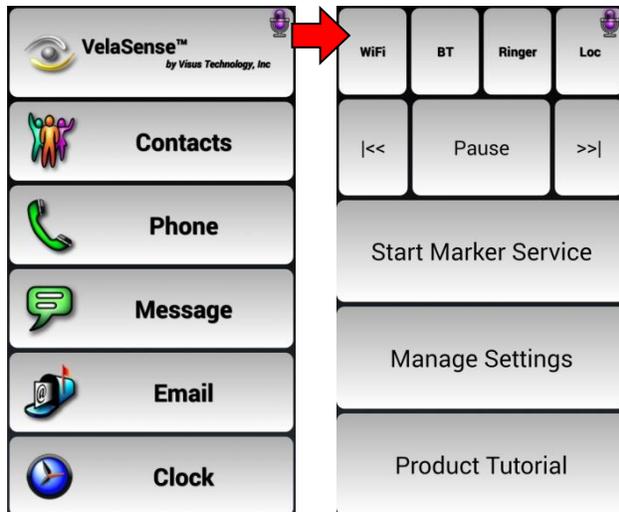
The VelaSense home screen menu allows access to the VelaSense functional applications.



1. At top of the home screen is a logo button. This launches a menu of vital functions. The microphone enables voice commands.
2. Below the logo header is vertical-scrolling list of features in single or double column style. Use settings to choose the style.
3. Below that is the list of buttons allowing access to each VelaSense application.
 - a. Use two finger swipe up or down to scroll through the menu items.
 - b. The flick gesture will also advance the button focus through the list of applications one item at a time.
 - c. Double tapping a button will start the underlying function

VIII. Services Control Panel

The Services Control Panel (SCP) provides a means of controlling real-time services related to the VelaSense product. The SCP contains buttons to enable/disable GPS, Bluetooth, WiFi, and Ringer Mode. Other buttons control audio media initiated by functions such as audio books and music player and the notification system related to the GPS marker service. Use SCP to pause and resume audio or deactivate power intensive services to prolong battery life.

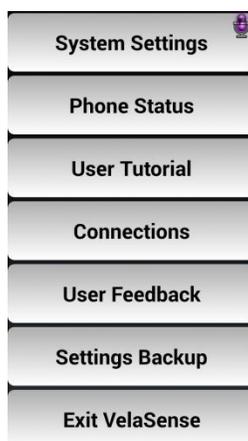


Tap the logo header button to access the SCP as shown

1. The button for GPS, Bluetooth, WiFi and Ringer Mode are at the top of the SCP.
 - a. Note: VelaSense cannot control GPS directly. As a result, you will be sent to the native location services menu of the phone to turn GPS on/off.
2. Below the shortcut buttons are a row of buttons that allow you to fast forward or back track the audio stream for music and books. You can also pause or resume the audio stream to accommodate needs such as dialing or receiving voice calls.
3. The bottom two rows contain buttons to enable route marker notifications set using the GPS feature and restart the tutorial.

IX. Settings Menu (Settings)

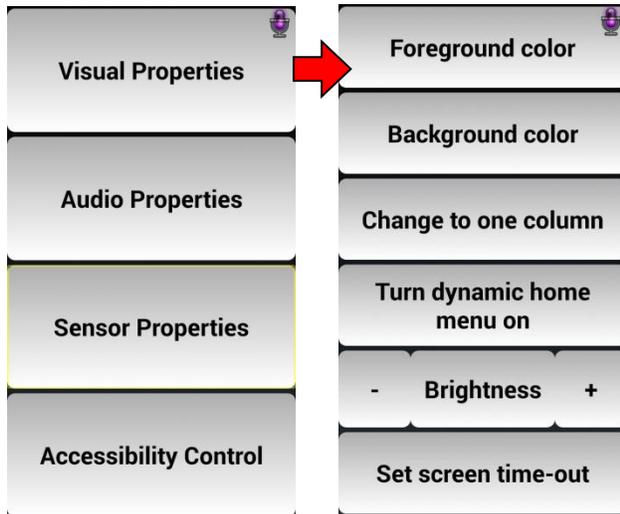
The settings menu is a general utility menu allowing access to important VelaSense settings.



The Settings Menu

1. Settings are reached by clicking on **Tools | Settings** from the home menu. Settings button is at the bottom of the Tools menu.
2. From this menu you can view and change the various system settings. These options are covered in next section.
3. From this menu you can verify the phone status and operating states such as network signal, battery power, etc.
4. From this menu you can monitor and control communication settings such as WiFi, Bluetooth and NFC.
5. Other option such as the user tutorial a user feedback reporting system and a cloud backup for your important VelaSense settings are available from this menu. **See the following sections for details.**

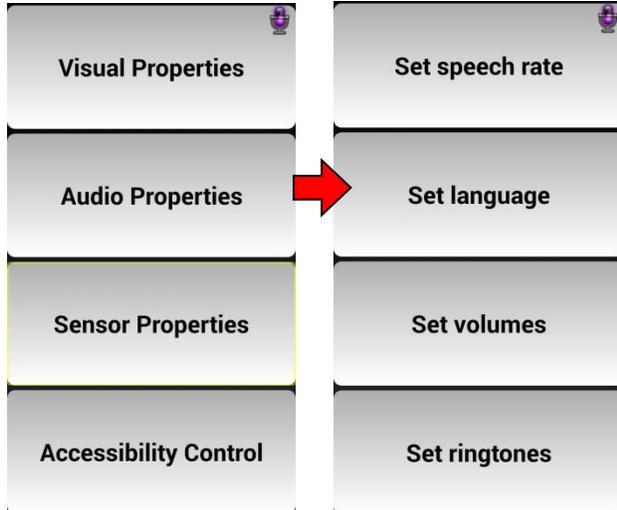
A. System Settings



Access to the Visual Properties Menu

Visual Properties

1. Set foreground color of menu buttons
2. Set background color of menu buttons
3. Change home menu column display (one or two)
4. Dynamic Home Menu-allows the home menu buttons to migrate to a sequence based on most used to least used applications.
5. Screen brightness consists of three buttons in a single row. You can adjust screen brightness up or down with the plus or minus button respectively. Middle button will toggle auto brightness on/off.
6. Screen Timeout allows you to set the amount of time before the screen turns off

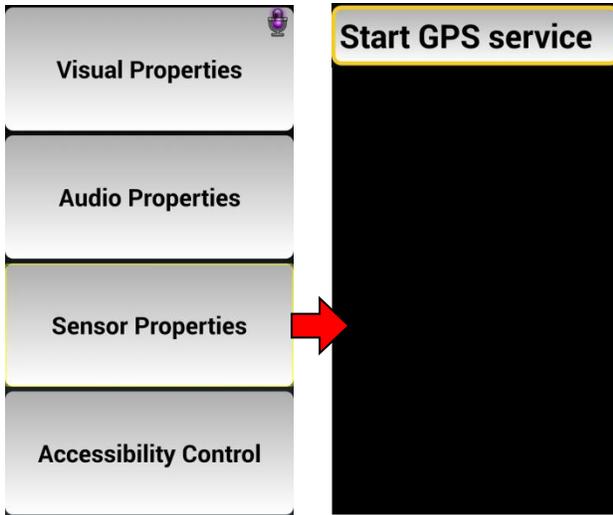


Access to Audio Properties Menu

Audio Properties

1. Turn on/off text-to-speech
2. Set speech rate (very slow to very fast). With TalkBack active, you will be sent to the native Text-to-Speech settings.
3. Set language (English, Spanish, German, etc.). With TalkBack active, you will be sent to the native Text-to-Speech settings.
4. Set Volumes allows you to change the ringtone, media, notifications, alarms and system volumes
5. Set ringtones allows you to set the ringtone for an incoming phone call

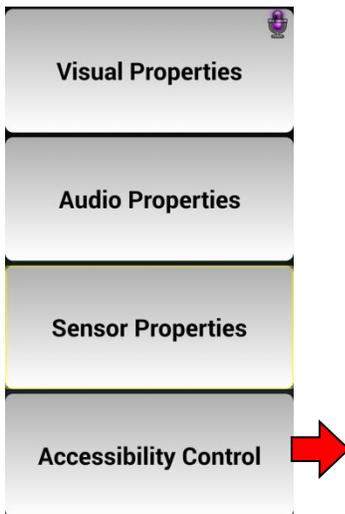
A. System Settings (continued)



Sensor Properties

1. Start GPS service turn the marker service on/off

Access to Sensor Properties Menu

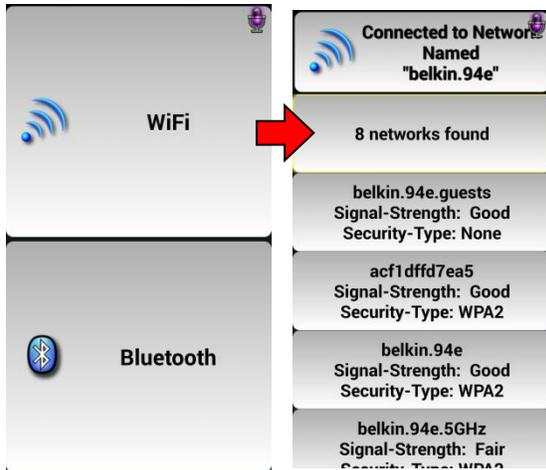


Android Accessibility Settings Control

1. This function invokes native Android Accessibility Settings Screen.

Accessibility Control

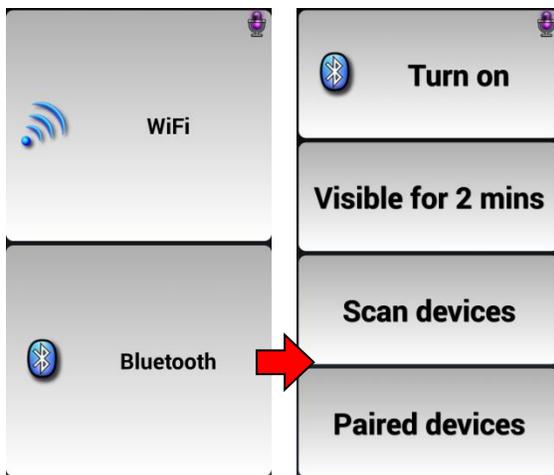
B. Connections



Access to WiFi Connections Menu

WiFi Control

1. Top button names the WiFi network that you are connected to. If not connected to a network, it will be blank.
2. Second button will inform you of the number of networks detected.
3. To connect to a network, just select from the scroll list
4. Secure networks will require a password when trying to connect to a secured network. In this case a keyboard will be launched to enter your password.



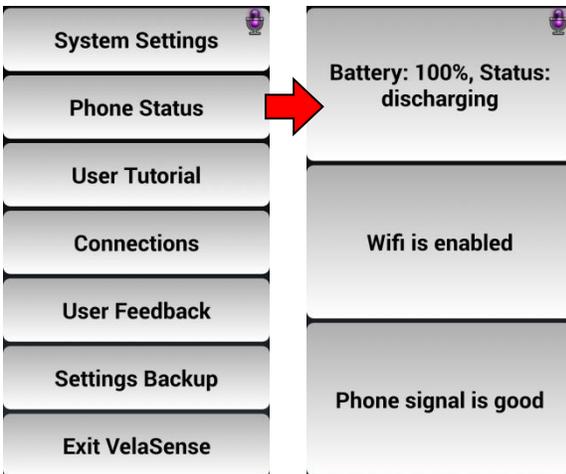
Access to Bluetooth Connections Menu

Bluetooth Control

1. Turn Bluetooth on/off
2. Allow the phone to be visible to other Bluetooth devices for two minutes
3. Scan for devices will allow you to pair with another Bluetooth-enabled device
4. Click on paired devices in order to tell you which devices you are currently paired and connected

C. Phone Status

This menu provides a quick reference to vital phone operating conditions.



Access to Phone Status Menu

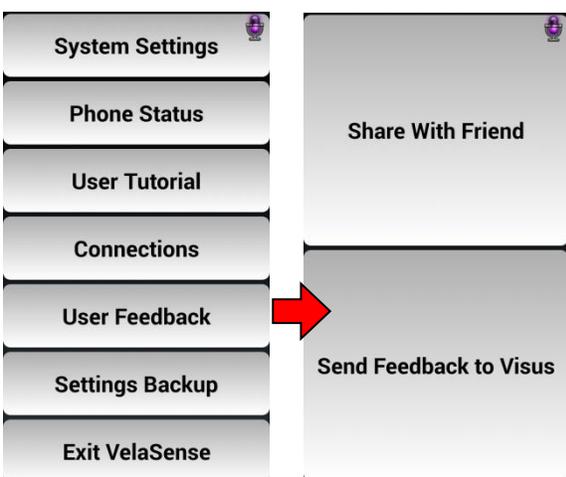
Phone Status

1. Battery Level in percent
2. Battery status: Full, charging or discharging
3. WiFi Status: Enabled or disabled
4. Phone Signal: Excellent|Good|Fair|Poor
5. You can also retrieve an audio announcement of your phone status by touching the logo header button at the top of the home menu screen.

D. User Tutorial

The User Tutorial is detailed in section III of this document. See page 8

E. User Feedback



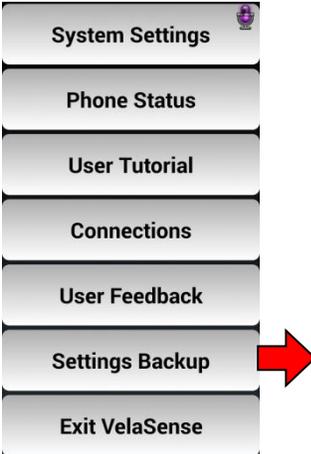
Access to User Feedback Menu

User Feedback

1. You can share VelaSense with a friend.
2. When sharing with a friend, you will send a generic email that includes your email address, a description of the product, and links to where VelaSense can be obtained.
3. You can send a comment to Visus Technology about VelaSense.
4. When sending feedback, you will share only your email address and phone number with Visus Technology and information about the version of VelaSense installed on your phone. Your feedback will be used to continuously improve the product.

F. Settings Backup

This function provides cloud backup of VelaSense application settings.



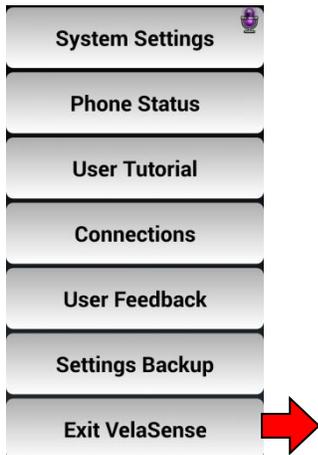
Access to Settings Backup Menu

Settings Backup

1. Settings backup will take the user to the cloud backup option for the VelaSense application settings.
2. For details about the settings backup menu see section XIII.O (page 36) of this document.

G. Exit VelaSense

This function provides a means of exiting the VelaSense application.

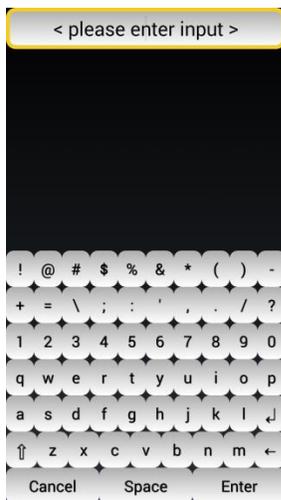


Exiting the VelaSense Application

Exit VelaSense

1. Using this button will exit the VelaSense application and take you to your phone's native Android desktop.

X. Keyboard



*The VelaSense
AlphaNumeric Keyboard*

Phone Status

1. Alphanumeric keyboard allows you to rapidly select numbers or letters for text entry.
2. Move your finger over the keypad to locate a character, lift your finger to select the character.
3. Alternatively, after the first character selected, you can use the flick gesture to move through each character and then double tap to select.
4. Selecting cancel will exit the keyboard without passing input to the calling menu.
5. Use the two finger circle gesture to verbally dictate your input to the keyboard application
6. Locate and double tap the enter button to pass back the entered text to the calling menu.
7. Select the edit box at the top of the screen then issue the granularity gesture to enable the flick gesture to move through characters entered.
8. Alternatively, after selecting the edit box at the top of the screen, you can use the volume up and volume down button to move the cursor.
9. Tapping the edit box will allow you to hear what you have entered.
10. Some keyboards have been purposed for email, password and emoticon entry and this depends upon application that is launching the keyboard. For instance when composing a text message, a keyboard with emoticons will be displayed.

XI. Computer Vision Applications

VelaSense provides a suite of vision applications designed to transform your phone's camera into a visual assistant. This section provides an overview of the available vision functions.

Note when using camera-based visual features, detection accuracy depends heavily on a proper camera orientation relative to the scene being viewed. Audible tones will assist to properly align your camera. To exit any vision function and return to the home menu—use the smart-phone's hardware back button.

A. Face Tracking



Tracking Faces

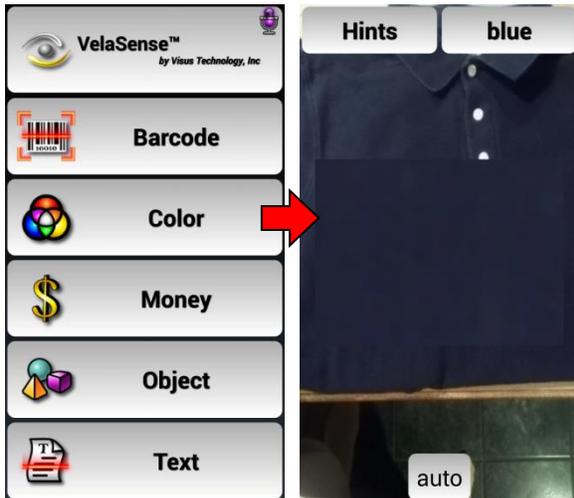
1. When using face tracking, the phone can be held in any orientation.
2. After accessing the video display, double click the center of the screen to focus camera and start face tracking process.
3. The number of faces that are staring at you as well as their relative position to the camera will be announced.
4. Use the back button to exit and return to the home menu.

Face Tracking Access



The face tracking feature is embedded within camera function. For support avoiding or including faces within camera shots, users should turn the “Guidance” mode to ON when using the camera function. Doing so will activate the face tracking and provide important photography support for the visually impaired.

B. Color Recognition



VelaSense Color Recognition

The following colors are recognized: White, Black, Grey, Red, Pink, Orange, Brown, Yellow, Green, Blue, Purple, Green-Yellow, Bluish-Green, Cyan, and Magenta.

Recognizing Colors

1. As soon as you start the color recognition application, it will begin to recognize colors automatically.
2. For best results, the process must be properly calibrated, please consider the suggestions listed below:
 - i. When starting, point the phone toward the general surroundings at a scene containing multiple colors.
 - ii. Set the correct lighting filter using the button located on the bottom of the screen. Choices are incandescent, fluorescent, daylight, cloudy-daylight, and auto.
 - iii. When examining an object of interest maintain it at a distance of at least six (6) inches from the camera.
3. Clicking on middle of screen will mute and un-mute the speech announcements.

C. Money Recognition



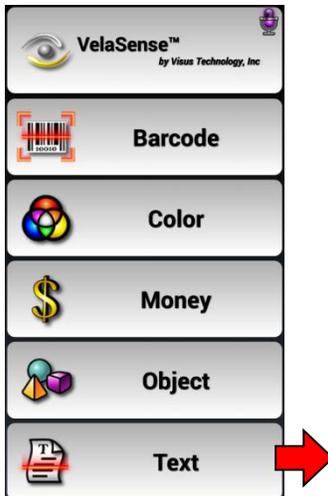
Money Recognition

Recognizing US Currency

1. ALWAYS hold phone in landscape orientation using forward camera view. Camera should be on the left side home button should be to your right.
2. After hearing server ready announcement, double tap the center of the screen to focus camera and start recognition process.
3. To scan multiple bills while the money recognition app is running, simply double tap the screen when the money is in view of the camera.
4. The app keeps a running total of all bills scanned in the session, bills recognized are \$1, \$5, \$10, \$20, \$50, \$100.
5. For best results use folded or unfolded bills oriented perpendicular to the view frame as shown below



D. Text Recognition



Text Recognition

Recognizing Text or Printed Words

1. ALWAYS hold phone in landscape orientation using forward camera. Camera should be on left side home button should be to your right.
2. After hearing server ready announcement double tap the center of the screen to focus camera and start recognition process.
3. Pause briefly on the top of the printed page and then move the camera vertically or horizontally pausing briefly over each new section of the printed page. The application will repeat recognized text blocks found in the scene.
4. Move phone slowly over text page with page at least six inches from camera lens.
5. Use the back button to exit this vision application.

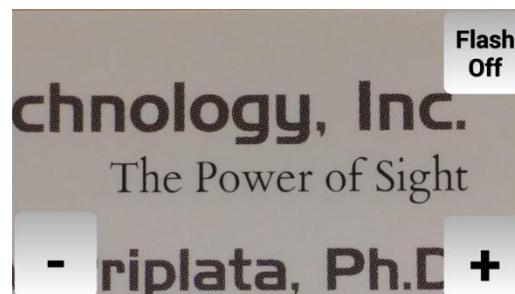
E. Magnifier



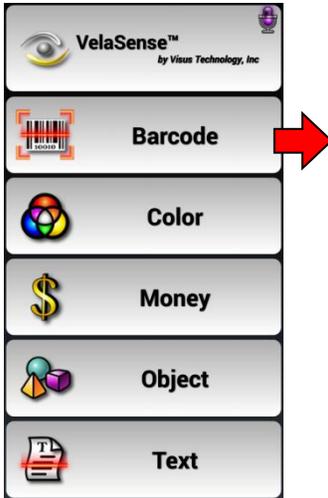
Magnifier

Magnifying the Camera View – 12x Digital Magnification

1. Tap the middle of the screen to focus the camera
2. Touch the plus sign to magnify or zoom in
3. Touch the minus sign to reduce magnification
4. Touch the flash button to turn the flash on/off



F. Barcode



Barcode Scanner

Read UPC Coded Items for Examination or Online Purchase

1. Hold a barcode-bearing object to the back camera at least 6 inches from the camera and slowly rotate the object in your hand.
2. You will hear a beep when the barcode is found.
3. You will then be taken to a screen that will tell you the item's name and price. Some products provide the store that the product is located and a link to the product on the web
4. Troubleshoot: If barcode scanner is not working, hit hardware back button and then click scan button again.



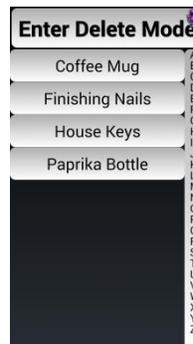
G. Object Recognition



Object Recognizer

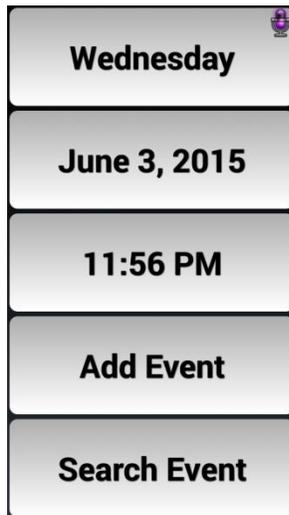
Recognize common objects or create and recognize your own personal database of objects.

1. Using the general object recognizer requires an Internet connection and will only recognize objects known to the central DB.
2. Photograph your personal effects to store and build your own personal object database. This database is store locally and no Internet connection is required when recognizing objects back from your own database.



XII. Standard Smartphone Applications

A. Calendar

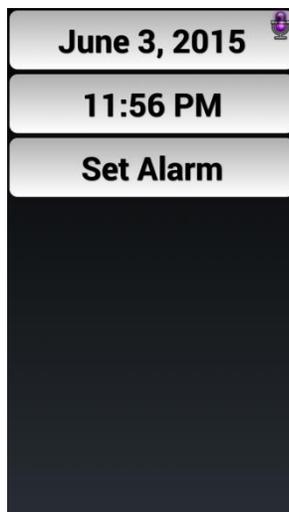


Calendar Manager

Add and Search For Calendar Events

1. Upon start of calendar, the date and time are read aloud.
2. When you add event, you are guided through a set of required inputs to set an event such as title date, time, duration, reminder and location
3. Events are automatically saved after entry and you will be presented with an edit window to edit your event further or add additional items to the event such as occurrence, invite attendees via email or change the type of calendar to one of your email provider for instance.
4. For reminder, date, and time, you can use a picker where your finger on the screen explores the picker and then double tap the screen to select the value.
5. When searching for an event, you can search by title, location date, today, week, month, and year
6. When you have found your event, you will be able to edit it by selecting on the event
7. Notification of an event will pop up anywhere in the VelaSense system if your reminder for the event is set.

A. Clock



Clock and Alarms Manager

Determine Date and Time and Set and View Alarms

1. By scanning the screen with your finger, you can hear the date, time and any alarms that are set
2. You can also set an alarm or turn an alarm off
3. In order to set alarm, you must pick the time and frequency using the picker
4. Alarms are automatically set when finished with picking the frequency
5. Notification of an alarm will occur anywhere in VelaSense. You have the choice to snooze or dismiss.

B. Camera



Camera Access



Accessible Camera Application

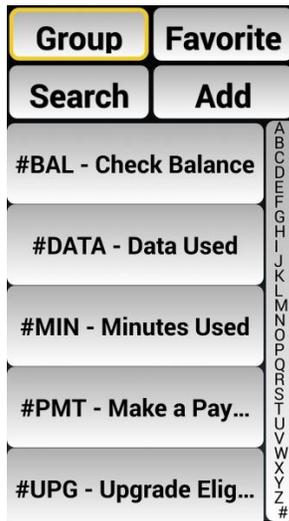
Capture Pictures Or Video

1. You can switch between rear and front camera by pushing the corresponding button on the screen
2. You can switch between video and photo mode by pushing the corresponding button on the screen.
3. You can switch the audible guidance between on/off by pushing the guidance button.
4. You can zoom in and out by pushing the plus and minus sign, respectively.
5. You can take photos and video by pressing the Take Photo or the Record button depending on mode.
6. A single beep indicates the camera has focused.
7. When guidance is turned on, users can align the camera horizontally and vertically by listening for two very distinct repeating tones that correspond to perpendicular alignment of the smart-phone relative to the horizon line in the scene. When the roll and pitch of the camera is within 5 degrees from perfect alignment, the beeps will sound. You will know that both vertical and horizontal alignment is achieved when the beeping is very high frequency.
8. When guidance is turned on, you can align faces in an image by listening to the face detector notifications. The location and number of faces will be reported. Listen for consistent repeating announcement of the face. False positive face detections may occur. These occurrences can be recognized by a single non-repeating announcement of the face. Move view to establish repeated detections.
9. Once the picture or video is taken, you can set title, send the picture via email or save it to the gallery
10. You can also enter the gallery directly from the camera application by pushing the corresponding button on the screen



The face tracking feature is embedded within camera function. For support avoiding or including faces within camera shots, users should turn the “Guidance” mode to ON when using the camera function. Doing so will activate the face tracking and provide important photography support for the visually impaired.

C. Contacts

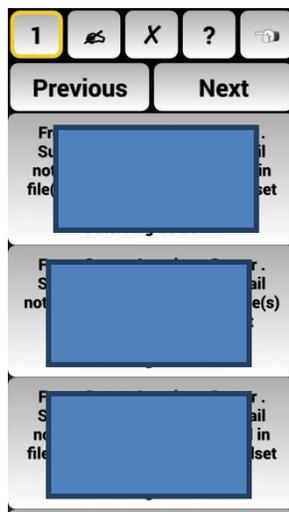


Contacts Manager

Add and Search Phone Contacts

1. If your accounts from Google, Facebook and Verizon are configured outside of the VelaSense system, contacts are imported automatically.
2. You can group your contacts by relation or account.
3. You can add a contact to favorites
4. You can search a contact by name
5. You can use the two finger scroll gesture on the names to scroll through all contacts or use the alpha bar on the right to jump to contacts that begin with the letter chosen
6. You can add a contact to your email accounts or locally to the phone
7. On the create contacts screen, you can enter contact name, multiple phone numbers, relation to you, physical address, email address and group
8. Adding and editing of contacts is saved automatically. Some items like phone numbers can be removed with the delete mode button.
9. If you click on existing contacts, you can call the person, send text message, view contact, edit contact, add to favorites or delete.

D. Email



Accessible Email

Check your email at Yahoo, Google, or Microsoft

1. On the login page, choose your email provider. Enter email address and password, then press login. Multiple accounts can be added.
2. After login, you can compose an email, check the inbox, draft, sent folders, add new accounts, switch accounts or logout.
3. If you open the email application from the homepage and you have not logged out, you will be returned to the inbox screen. The inbox screen has an indicator for the page number and several action buttons on the top row. You can compose a message; delete a message, search your inbox or move to the account and folder manager.
4. When deleting, you will be placed in delete mode where you can delete one message at a time. Click cancel button on to stop the delete mode.
5. When composing an email, you can add multiple "to", "cc", or "bcc" via the keyboard or through your contact list.
6. On the composer page, you can add subject or body through keyboard.
7. The add attachment button opens the photo gallery when selected.
8. Partially filled in fields will persist when re-entering the client. To clear the fields you must hit send, save or cancel at the top of the screen.
9. The save button at the top of the email composer page, will save the email to your draft folder.
10. When reviewing your inbox, you can scroll page by page or use the previous or next buttons.
11. When in the inbox, use finger to explore the subject of each email, the date and time sent, double click on a message to get the body and rest of the detail of the email, including its attachment.
12. At the top of the detailed message section, you will be able to reply, reply all or forward the message.

E. Gallery

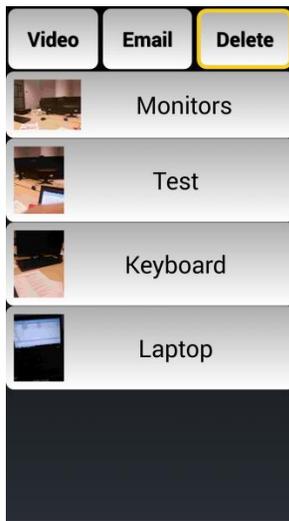
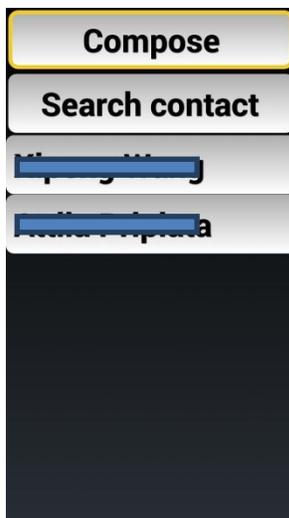


Photo and Video Gallery

View Photos and Videos

1. You will find a scroll view of all photos taken by the camera application and the phone's native camera application
2. You can switch between photos and video by pressing the video button
3. The gallery will list a title (if titled), your geo-location if one was recorded and the date the picture was taken. Items are organized by date taken.
4. You can enlarge the photo by selecting it and then in the viewer you can zoom the photo by spreading two fingers on the screen
5. In order to back out of the enlarged image, hit the back button shown.
6. The video can be played by double clicking on the video. The controls for the video player will disappear after 5 seconds just tap the screen to get the controls back.
7. The photo or video can be deleted by clicking on the delete button to place the gallery in delete mode. You must hit the delete button each time you wish to delete.
8. You can also email a photo or video by clicking on the email button at the top of the screen and then selecting the photo or video.
9. To cancel delete mode or email mode, select the cancel button that appears at the top of the screen when in these modes.

F. Text Messaging

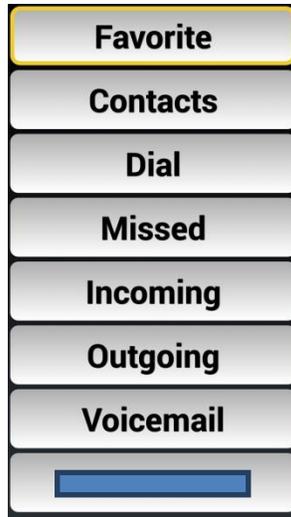


Text Messaging

Send a Text Message

1. On the first page of text message, you can compose a message or search a contact who has sent you a message. A scrollable list of contacts and/or phone numbers are also provided of individuals who have texted.
2. When you click on compose, you have the option of searching your contacts or just entering a phone number. By clicking on message, the keyboard will pop up so that you can enter a message. Voice recognition works well here with the keyboard popped up
3. Click on Send, to send the message or Cancel to cancel the sending of the message
4. You will be notified anywhere in the Visus system if a text message is received. You then have the option to read now or later.
5. When viewing a received message, you can delete or reply to the message directly
6. If you receive an MMS message or media message (e.g, picture), you will be able to click on the message in the conversation view to enlarge it. If you wish to enlarge the picture further, click on the image details page and then on the picture to open the zoom viewer

G. Phone Call Manager

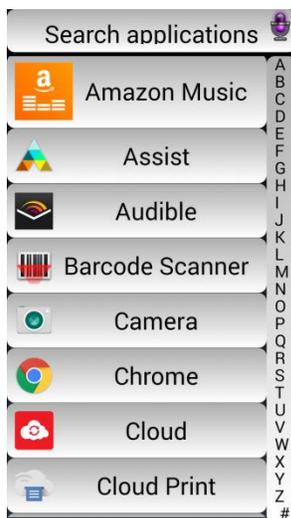


Phone Call Manager

Receive and Dial a Call

1. With the touch of your finger, phone call manager allows you to dial by number, via contacts or through favorites.
2. You have three log boxes, they are missed, incoming and outgoing calls.
3. If you need to check voicemail, click on the voicemail button here. It will automatically dial your Verizon voicemail box.
4. Your phone number is at the bottom of the screen.
5. If you use VelaSense during an active phone call, the dial button will show "active call" and you can click it to return to your active phone call.
6. You can use the voicemail button to access your Verizon Wireless or other third party voice mail service. Provisions for custom dial strings and embedding your voice box password for automatic use are included in the voicemail feature.

H. Application Manager



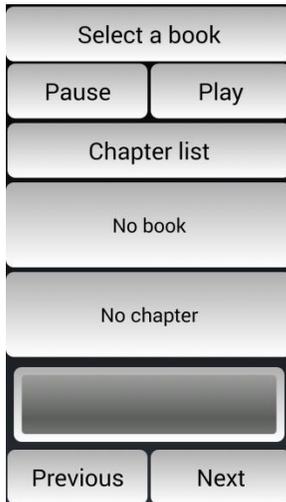
*Application Manager
(Launch Other Apps)*

Allows You to Launch Any Application on the Phone

1. You can search the application by name
2. Use the alpha-bar on the right hand side of the screen to search quickly.
3. After selecting an application, it will launch outside the Visus system. If Talkback Service is turned on under the native settings of the phone, you will have accessibility via Talkback within the launched application.

XIII. Advanced Smartphone Applications

A. Audio Books

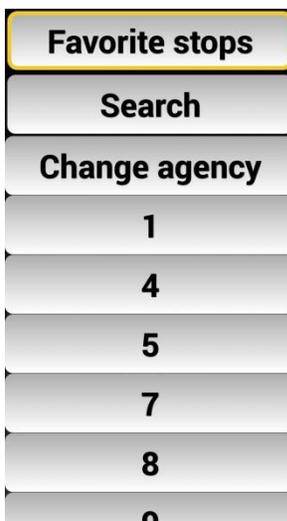


Audio Books

Listen to Popular Books

1. Select the select the book button and search by genre, or press the search button on the genre page and search by author, title or genre.
2. After selecting the genre, you will see a list of pages for the genre
3. Within each genre page, you can select a book
4. Within each book, you can select a chapter
5. Once you selected a chapter, the book will begin to play
6. When the book is playing, you can pause, stop, or advance by chapter or you can use the scroll bar to advance through a chapter
7. The chapter of the last book selected will remain in the queue so that you can return where you left off
8. Remember the service control panel (SCP) provides a quick shortcut to pause or advance your audio book when necessary as you use your phone, access the SCP by double tapping the logo header button at the top of the home menu this will launch a quick access menu of vital functions including access to the SCP.

B. Bus



Bus Schedule

Find Out When the Next Bus Arrives at Your Stop

1. First you select the state of the United States
2. After selecting the state of interest, you select the agency
3. After selecting the agency, you select the bus route
4. After selecting the bus route, you select the outbound or inbound bus
5. After selecting the inbound or outbound bus, you select the stop
6. After selecting the stop, you can explore the times of each bus with your finger
7. You can add certain bus stops to your favorites section for quick reference
8. Favorites are accessed on first screen of bus application.

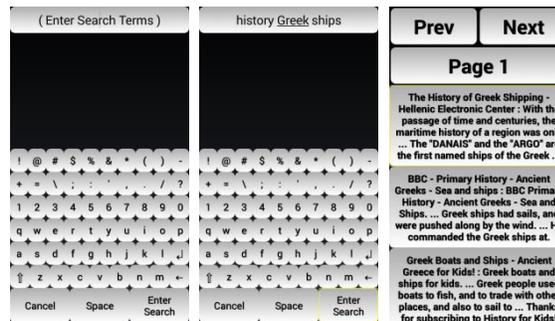
C. Google



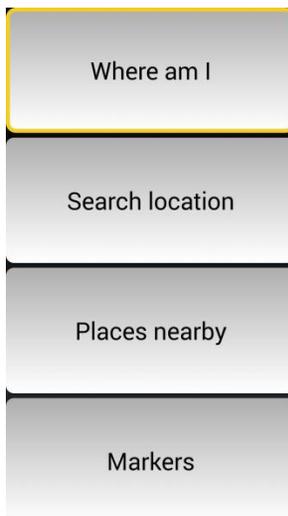
Google Search

Perform a Google Search

1. Enter your search terms using the keyboard keys, or use the voice recognition gesture to dictate your search terms to the keyboard. Select Enter Search button from the keyboard to initiate search . Click on the link of interest and you will be sent to the accessible web browser.
2. Select the Enter Search button to invoke entry keyboard and search.



D. GPS

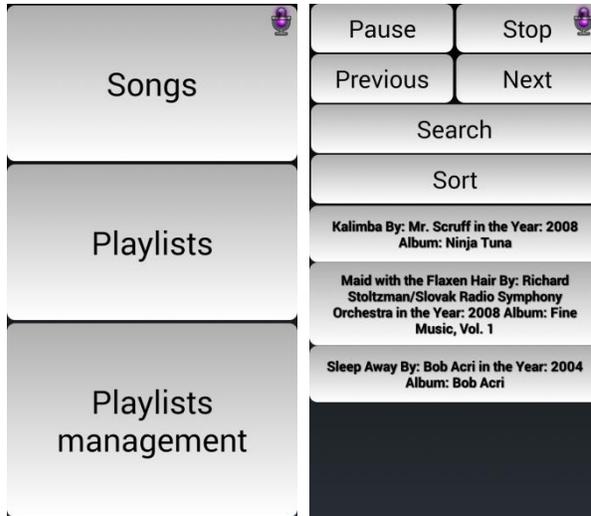


GPS Navigation

Set Route Markers and Navigate to an Address of Interest

1. Click “Where am I” to get list of addresses bearing your location.
2. When viewing the address list, note, you can text your location to a contact or phone number.
3. You can also set a route marker to tag your current location and save it in your marker database
4. The compass at the top of the screen will tell you the direction you are facing.
5. You can enter an address in order to navigate to it.
6. Or, select places nearby for navigation directions.
7. In the places nearby page, you can set the radius for the search and select a category to find places of interest and then search
8. From the main page, select the markers and navigate to them.
9. Note: In settings, you can turn the marker service on and off, this allows you to be notified when approaching markers while operating software outside of the GPS application. The actual marker is defined when you click on “Where am I” and then click on the first address presented to you. On the detailed location page, click on the mark button to drop a marker on that location. You can title the marker to call the location by a custom name.
10. You may be asked to turn on location services if you have not done so already.

E. Music



Music Playlist Manager

Manage Playlists of All Music Stored on the Phone

1. On the main music page, you can access current playlists, manage playlists, or play all your songs
2. Under playlist manager, you can create, delete or update playlists
3. Under play all music, you can select a song and then it will play that song and all songs following it.
4. The sort button allows sorting by artist, year, or album title.
5. The music application will detect all songs existing on the phone. For best results locally copy from PC or download songs directly to the phone beforehand.
6. For fast access to the audio player controller, access the VelaSense SCP.

F. News

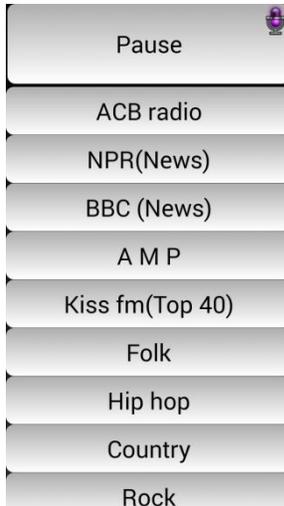


News Reader

Hear New Briefs from Major News Sources

1. Click on the news agency
2. Then click on the title of a story to hear a synopsis
3. If you click on the news story again, you will be sent to the agency's website to view the full story
4. You can also search all news agencies at once for a particular article at the top of the main page

G. Radio



Radio Receiver

Listen to Popular Radio Stations in Several Genres

1. Click on a radio station.
2. You can pause or continue playing the radio station by pressing the button at the top.
3. You can also control the radio from the player controller in the VelaSense SCP (service control panel) access this control panel by tapping on the logo header button located at the top of your screen.

H. Twitter



Twitter Connection

Follow and Read Tweets on Twitter

1. Log in to Twitter. Your login information will be stored until you logout
2. Click on home to read tweets of people you are following or those who are following you
3. Click on me to post
4. Click on search to find a friend to follow

I. Weather



Weather Forecast

Receive the Five day Forecast for Your Location

1. You can use your finger to explore the five day forecast
2. You will be asked to enable location services if you have not already, by default the weather report closest to your current location will be displayed.
3. You can use voice commands or the keyboard to enter a new location (town and state). The forecast for the chosen location will automatically load.

J. YouTube

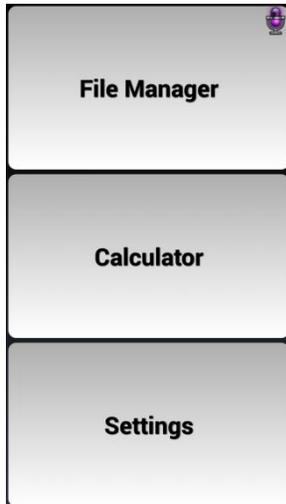


YouTube Video Viewer

Receive the Five day Forecast for Your Location

1. Click on search videos to search for a video
2. Select from a list of popular YouTube videos

K. Tools



Tools Menu

Important Utilities Apps for the Visually Impaired

1. The File Manager allows you to view the files located on your phone's internal data drives and SD storage cards.
2. Calculator provides access to an accessible math calculator.
3. Settings will take you to the VelaSense application settings manager detailed in section IX.

L. Calculator

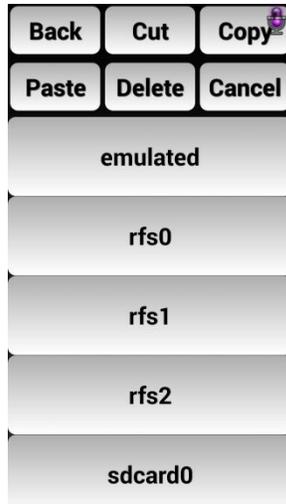


Math Calculator

Access a Standard Arithmetic Calculator Pad

1. At the top of the portrait-oriented screen is the edit box where entered characters appear. The edit box has full cursor control.
2. The calculator supports addition, subtraction, division and multiplication along with sign and decimal place entry.
3. The backspace button will delete one character at a time and the cursor moves to the left by one space
4. The clear button will clear the entire entry in the edit box.
5. The bottom button is the equals button, which will perform the operation and return the result in the edit box.
6. Note, this calculator will perform the operation in the order it was entered and not by the Law of Order of Operations. For instance, addition followed by multiplication will result in addition first then multiplication.

M. File Manager



File Manager

Manage Files Located on Your Phone's Internal and SD Card Storage

1. At the top of the portrait-oriented screen is two rows of buttons:
 - a. The back button will take you to the parent folder.
 - b. Cut button will place the file manager in cut mode to be pasted elsewhere.
 - c. Copy will place the file manager in copy mode to be pasted elsewhere.
 - d. Paste will place the file manager in paste mode and paste the file into a new folder that you have selected.
 - e. Delete will place the file manager into delete mode for permanent deletion
 - f. Cancel will cancel the operation of the above modes.
2. Note the above operations cannot be performed on folders.

N. VelaCloud Services



VelaCloud Services

Begin to Build a Personal Store of Data in the Cloud

1. Cloud Storage is a large file storage and management service powered by Dropbox.
2. VelaSense Backup allows you to store your VelaSense application settings in your personal VelaCloud.

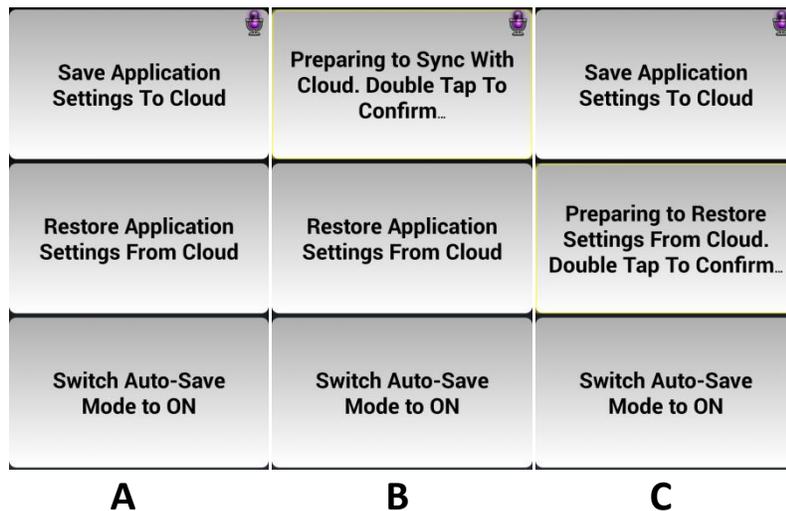
O. Cloud File Storage and Settings Backup



Access DropBox to Store Large Files in the Cloud

1. A DropBox account is required.
2. You must login via the native DropBox UI. The rest of the interfaces appear in VelaSense accessibility format.
3. You can upload a file using the VelaSense browser into a VelaSense folder on DropBox.
4. You can download any file to your phone from Dropbox. Once downloaded it will auto open.

*Cloud Storage
Powered by DropBox*



VelaSense Application Settings Backup

Backup and Restore VelaSense Settings to the Cloud

1. To manually save/restore your application settings to/from the cloud use the menu shown in A
2. When choosing the manual save or restore buttons, you must double tap to confirm your actions as shown in menu B and C. This confirmation action is required to prevent unintentional overwriting of previous backup data.
3. Use the auto-save toggle switch to activate automatic backups. While in auto-save mode, settings values will be automatically synced with your cloud backup at the instant they are changed.

P. Subscription Manager



Subscription manager allows you to manage your user profile and cancel your subscription.

1. The subscription manager is used to manage user profile information and provide a means of cancelling the subscription to VelaSense at any time.
2. From the profile data entry screen you can set and re-edit your VelaSense profile as detailed in the upper sequence shown above. This includes access to your account password, user first name, last name and nick name.
3. Note, you cannot edit your profile email address as this represents the primary data key for your VelaSense account.
4. You can also review the terms of service and privacy policy from the subscription manager.
5. The cancel subscription button allows you to cancel your subscription at any time as shown in the lower sequence detailed above.
6. Note, upon cancelling your subscription, you will retain access until the arrival of the monthly renewal date.

APPENDIX 1

Troubleshooting Tips

1. VelaSense works in conjunction with Google Talkback, your device *must have* Talkback enabled while using VelaSense. If Talkback is not currently enabled on your device, **sighted assistance may be required** to enable it. For help enabling talkback on your device call the product support hotline at 1-888-262-1999.
2. VelaSense requires a working network connection for use with your handset. However, local features will continue to function without a network connection. Verify your network connection for best results.
3. For more information visit us on the web at www.velasense.com.
4. If you experience difficulties activating your trial offer or purchasing this product please call one of the listed numbers for product assistance. Our customer agents are happy to help you. Direct all inquiries based on your intended payment method and as indicated below:

If charging subscription to phone bill call 1-888-262-1999

If charging subscription to credit card call 1-877-294-7447

APPENDIX 2

Voice Recognition Command Reference

VelaSense software provides a comprehensive voice command subsystem. Each function accessible via the eyes-free touch interface is also available by voice command.

The tables shown below provide an overview of the default voice commands available to VelaSense users. The voice command interface provides a small set of *universal* commands that will be recognized at any point during operation of the software, however most commands are *interface-specific*, meaning it is possible that voice commands may be overloaded to perform different actions depending on your location in the software, for example speaking the command “search” in the VelaSense Google search app will respond differently than speaking “search” within the Bus Schedule app. Note some voice commands are characterized by multi step interactions, when variable data is required the voice input is denoted in {brackets} below.

A. Universal Voice Commands (Anywhere in VelaSense)

Function Description	Voice Command(s)	Action Performed
Go Back	Go back, back, return, or close	Go back to the previous screen
Place a call	Call {name as stored in contact book} {phone type, e.g. mobile}	Calls the person whose name you say. Works only with individuals in contact book.
Send a text (SMS)	Text {name as stored in contact book} {message}	Text the person whose name you say. Works only with individuals in contact book
Set a one-time alarm	Alarm {standard time} {am or pm}	Will set a one-time alarm for the time spoken. Do not use military time.
Application Help	Help, help me, please help, etc.	Will provide a general help response based on your current location within VelaSense.

B. Home Menu Voice Commands

Function Description	Voice Command(s)	Action Performed
Application Manager	Application manager, applications or applications manager	Open application manager
Audio Books	Audio books, audio book, books or book	Open audio books
Barcode Scanner	Barcode	Open barcode scanner

Home Menu Voice Commands (continued)

Function Description	Voice Command(s)	Action Performed
Bus	Bus, bus application, or bus stops	Open bus
Calculator	Calculator	Open calculator located in Tools
Calendar	Calendar, open calendar, set calendar	Open calendar
Camera	Camera, take a picture, take picture, or camera application	Open camera
Clock	Clock, time, or open clock	Open clock and get time
Color Recognition	Color or color recognition	Open color recognition
Contacts Book	Contact, contacts or contact book	Open contact book
Email	Email, send email, or email application	Open email
Face Recognition	Face recognition	Open face recognition
Face Storage	Store face, face storage	Open face storage
Face Tracking	Face tracking	Open face tracking
Gallery	Gallery, or photo gallery	Open gallery
Google Search	Google or google search	Open Google search
GPS	Maps, navigation or directions	Open GPS
Magnifier	Magnifier or magnifying	Open magnifier
Money Recognition	Money or money recognition	Open money recognition
Music Player	Music, music player	Open music player
News	News, open news, read news, listen news, or listen to news,	Open news
Phone Call Manager	Phone, make phone call or phone call	Open phone call manager
Settings	Settings or setting	Open VelaSense settings
Message (SMS)	Message, messages or send message	Open message (SMS)
Subscription Manager	Subscription or subscription manager	Open subscription manager
Text recognition	Recognize text	Open text recognition
Tools	Tools, tool	Open tools menu
Twitter	Twitter	Open Twitter
VelaCloud	Cloud	Open VelaCloud
Weather	Weather, open weather, or check weather	Open weather
YouTube	You tube or YouTube	Open YouTube

C. Settings

Main Settings Menu

Voice Command(s)	Action
System, system settings, option one, or one	Will take you to the systems settings menu
Phone status, status, status indicator, option two, two	Will take you to the phone status menu
User tutorial, tutorial, run tutorial, option three, three	Will take you to the user tutorial
Connections, connection, networking, option four, or four	Will take you to the WiFi and Bluetooth manager menu
User feedback, feedback, option five, five	Will take you to the User Feedback Menu
Backup, Settings backup, option six, six	Will take you to the Cloud backup services
Exit, quit, option six, or six	Will exit you out of VelaSense

System Settings Menu

Voice Command(s)	Action
Visual properties, visual, option one, or one	Will take you to visual properties menu
Audio properties, audio, option two, or two	Will take you to audio properties menu
Touch control, touch, or option three, or three	Will take you to the touch control menu
Sensor properties, option four, four	Will take you to the sensor properties menu

D. Contacts Book

Main Contacts Menu

Voice Command(s)	Action
Search contact	Will prompt you to say the name of the person you are looking for and then you will receive a list of names that match your search
Add or Create	Starts the addition of a new contact
Group	View the groups
Clean	Clears the search input

Contacts Book - Main Menu (continued)

Voice Command(s)	Action
Favorite	View your favorite contacts in a list
{full name of contact}	When you say the display name or full name of contact, the scroll list will jump to that contact

Choose Accounts for Adding a Contact

Voice Command(s)	Action
Device	Will store your contact to the local phone directory
{email account}	Will store your contact to the account you have spoken

Accounts for Adding a Contact

Voice Command(s)	Action
Add name, name	Asks you to speak the name of the person after the ding
Email, add email, add email address	Asks you to say the email of the person after ding. Then asks you the type of email after ding
Add phone number, phone number, add phone	Asks you to say the phone number of the person after ding. Then asks you the type of the phone number after the ding
Address, add address	Asks you to say the address of the person after the ding. Then asks you the type of address after the ding
Save, save contact	Will save the person into your phone directory or email account directory
Cancel	Will cancel voice recognition when in a sequence of voice prompts

E. Phone Call Manager

Main Page

Voice Command(s)	Action
Favorite, favorites, favorite contact, or favorite contacts	Opens the favorite contacts
Dial, keypad, or dial number	Opens the dial pad
Contacts, contact, or open contact	Opens the contact book
Missed, missed calls, missed call logs	Open the missed call log
Incoming, incoming calls, or incoming calls log	Open the incoming call log
Outgoing, outgoing calls, or outgoing call logs	Open the outgoing call log

Call Log Detail

Voice Command(s)	Action
Make phone call or place call	Dials the contact
Send message or message	Will open the compose text message dialog
Favorite	Will add or remove the contact to/from favorites list

F. Dial Pad

Voice Command(s)	Action
{10 digit phone number}	Number spoken is entered and prepared for dialing
Place call	Dials the number that has been entered
Clear	Clears the entry

G. Keyboard

Voice Command(s)	Action
{word or phrase}	The word or phrase spoken is entered into the keyboard

Done done (speak done twice)	Will return entered string to the menu that launched keyboard
Clear clear (speak clear twice)	Will clear the entered text

H. Message

Main Page

Voice Command(s)	Action
Search	You will be prompted for a name or letter to search the inbox list
Compose	You will be sent to the compose page

Compose a Message Page

Voice Command(s)	Action
Input phone number	You will be prompted to speak the number you wish to text message
Search	You will be taken to the contacts book to find a contact application. See voice commands for contact book
Message	You will be prompted to speak message
Send	The message will be sent
Cancel	The composition part of text messaging will be cancelled and

Conversation View Page

Voice Command(s)	Action
Delete all	Will delete all conversations from this contact
New contact	You can add this contact if the person has not already been added
Call contact	The contact will be called
Reply	Will open the compose message screen and the contact info will be already filled out

Incoming Message Page

Voice Command(s)	Action
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Read now	You will be taken to the conversation view
Read later	The incoming message will be ignored
Who or sender	Will tell you who the sender is

Message Information Page

Voice Command(s)	Action
Forward	Will open the compose message screen so that you can forward the message

I. Email

Main Email Page (after login)

Voice Command(s)	Action
Compose	Will open the compose email dialog screen
Inbox	Will open the inbox
Sent	Will open the sent folder
Draft	Will open the draft folder
Trash	Will open the trash folder
Log	Will log you out of your account
Add	Will open the dialog to add a new account
Switch	Will switch between accounts

Inbox (after login)

Voice Command(s)	Action
Compose	Will open the compose email dialog screen
Delete	Will enter delete mode so that emails can be deleted
Previous	Will move to the previous set of emails in the inbox
Next	Will move to the next set of emails in the inbox
Search	Will take you through the search mode in order to search the inbox
Folder	Will take you to your folder and account manager

Compose Screen (after login)

Voice Command(s)	Action
Send to	Will allow you to fill out the to field
Carbon copy	Will allow you to fill out the cc
Blind carbon copy	Will allow you to fill out the bcc

Email, Compose Screen (after login) - continued

Voice Command(s)	Action
Subject	Will allow you to fill out the subject field
Body	Will allow you to fill out the body of the email
Attachment	Will allow you to attach a file

J. Clock

Main Page

Voice Command(s)	Action
Set an alarm, set alarm, or set the alarm	Will open hour picker to begin the process of setting an alarm

Hour Picker

Voice Command(s)	Action
{1 thru 12}	Will select the hour and move you to the minutes picker

Minutes Picker

Voice Command(s)	Action
{00 thru 55 in increments of 5}	Will select the minutes and move you to the am/pm picker

AM/PM Picker

Voice Command(s)	Action
AM	Will select AM and move you to the frequency picker
PM	Will select PM and move you to the frequency picker

Frequency Picker

Voice Command(s)	Action
Once or One Time	Will select once and save the alarm

Monday through Friday, Monday to Friday, or weekdays	Will select every Monday through Friday and save the alarm
Saturday and Sunday, Saturday to Sunday or weekends	Will select every Saturday and Sunday and save the alarm
All week, every week, each week, or every day	Will select all week and save the alarm

Clock, Frequency Picker - continued

Voice Command(s)	Action
{Monday thru Friday}	Speak a day of the week and it will ask you if you wish to confirm
Done, Finished, Ok, Go, Confirmed	Will set the day of the week you spoke and save the alarm

Alarm Page

Voice Command(s)	Action
Dismiss	Will dismiss the alarm
Snooze	Will snooze the alarm by 5 minutes

K. Calendar

Main Page

Voice Command(s)	Action
Add event, add an event, schedule an event	Will start the add event process by taking you to the keyboard in order to enter the title of event
Search an event	Will start the process for searching an event

Year Picker

Voice Command(s)	Action
{Speak the year}	Will enter the year spoken and advance you to the month picker

Month Picker

Voice Command(s)	Action
{Speak the month}	Will enter the month spoken and advance you to the day of the month picker

Day Picker

Voice Command(s)	Action
{Speak the day of the month}	Will enter the day of the month spoken and advance you to the hour picker for the start of the event

Hour Picker

Voice Command(s)	Action
{1 thru 12}	Will select the hour and move you to the minutes picker

Minutes Picker

Voice Command(s)	Action
{00 thru 55 in increments of 5}	Will select the minutes and move you to the am/pm picker

AM/PM Picker

Voice Command(s)	Action
AM	Will select AM and move you to the duration picker
PM	Will select PM and move you to the duration picker

Duration Picker

Voice Command(s)	Action
{15 min thru 45 min in 15 min increments} or {1 hour} or {1.5 hour} or { 2 hours thru 8 hours}	Will select the duration and move you to the location keyboard

Parameter by Which to Search

Voice Command(s)	Action
By title, by location, info, location or title	Opens the keyboard to enter search parameter
Today or by today	Opens the events that happen today
Week or by week	Opens the events that are happening in the week
Month or by month	Opens the events that are

	happening in the month
Year or by year	Opens the events that are happening in the year
Date or by date	Opens the year picker to start the process of entering the date

L. Camera

Main Page

Voice Command(s)	Action
Start, record, take picture, take photo or snap	Either takes the picture or starts the video recorder. It will depend on the mode.
Zoom in	Zooms the camera in
Zoom out	Zooms the camera out
Switch to photo, switch to video, photo mode, video mode, photo, or video	Cause the camera to switch modes between photo and video mode
Rear camera, front camera, rear, front, switch to front camera, or switch to rear camera	Causes the camera to switch between the front and rear camera

Edit Title and Save Picture Page

Voice Command(s)	Action
Set title	Will prompt you to speak the title of the picture or video
Save	Will save the picture or video
Cancel	Cancel the picture or video and it will not be saved

M. Google Search

Main Page

Voice Command(s)	Action
Search or google	Will prompt you to speak the search phrase and then you will be given the results

N. News

Main Page

Voice Command(s)	Action
{New Agency}	You will be taken to the latest RSS Feeds from that agency
Search	You will be prompted to speak a search phrase and then you will be given the results

O. Weather

Main Page

Voice Command(s)	Action
Location or new location	You will be prompted to speak the location that you want weather information

P. Barcode

Scan Results Page

Voice Command(s)	Action
Scan	Will restart the scan process and turn the camera back on

Q. Tools

Main Page

Voice Command(s)	Action
File manager, files	Opens the file manager
Calculator	Opens the calculator
Settings	Opens the settings found at the top of the home screen.

Calculator

Voice Command(s)	Action
{whole or decimal number} (use the word “point” for decimal)	Enter a number in the edit box
0 point {digits after decimal}	Will enter a number that has no digits to the left of the decimal
Plus	Enters plus sign in edit box
Minus	Enters minus sign in edit box
Divided by	Enters a division sign in edit box
Multiply	Enter a multiply sign in edit box
{whole or decimal number} plus {whole or decimal number }	Enters two numbers with plus sign between them in edit box
{whole or decimal number} minus {whole or decimal number}	Enters two numbers with a subtraction sign between them in the edit box
{whole or decimal number} divided by {whole or decimal number}	Enters two numbers with a division sign between them in the edit box
{whole or decimal number} times {whole or decimal number}	Enters two numbers with a multiplication sign between them in the edit box
Plus {whole or decimal number}	Enter addition sign and then number
Minus {whole or decimal number}	Enter minus sign and then number
Divided by {whole or decimal number}	Enter division sign and then number
Multiply {whole or decimal number}	Enter multiplication sign and then number
Clear	Clears the entire edit box
Equals	Performs operation and gives total in the edit box

R. Subscription Manager

Voice Command(s)	Action
Manage User Profile , Manage	Opens Account Configurator.
Terms and Privacy , Terms, Privacy policy	Opens terms and privacy policy main menu.
Cancel subscription, cancel	Opens cancel subscription process flow.

Subscription Manager (continued)

Confirm cancel	Opens the final cancel confirmation.
No , go back	Goes back to the manager entrance.
Uninstall	Triggers the uninstall alert dialog
Exit, close, leave	Exits the application.

S. Billing Process

Voice Command(s)	Action
Start free trial, start, free trial, start free month	Opens the Trial Use Activity for new User enrollment.
Features, list velasense features, product features	Opens the product features activity.
Returning subscriber, Enter email, email	Opens keyboard to input email.
View terms of use, terms, view terms	Opens the terms of use.
View privacy policy, privacy	Opens the privacy policy.
Sign up	Start the free trial.
Cancel, go back	Gets back to the first activity.
Subscribe Now	Opens Payment options activity.
Uninstall	Triggers the uninstall alert .
Pay Online , credit card	Opens the credit card input activity.
Pay by phone	Opens the call customer support activity.
Submit	Enters the selected value.
Add to my verizon bill	Opens the zip code number pad.