



BaseStation3
Version 3.10
Mobile App User Manual
0980472_0 (ENG)

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About This Manual

This manual illustrates how to use the BaseStation3 App on a supported mobile device. The BaseStation3 App is separately installed and connects to the BaseStation3 computer which acts as a server. The BaseStation3 App requires an Internet connection to the BaseStation3 computer, a smart phone with a touch screen and an internal browser.

The BaseStation3 App runs on both Android and Apple smart phones with access to data services or Wifi. The BaseStation3 App includes many popular features used on the BaseStation3 desktop software version.

NOTE

- The images and instructions in this guide show an Apple device. Navigation using an Android device may differ.

Where to find the BaseStation3 App

Two versions of the BaseStation3 App are available:

- For Android, visit the Google Play Store
- For Apple, visit the Apple App Store

Typical touch screen gestures are supported for navigation including tap and swipe.

Hardware/Software Requirements

- Android phones/tablets
- Apple phones/tablets

Language Support and Selection

Language options are available the language selection option on the Login screen.

Demo Version

Access to the demonstration version of the BaseStation3 App can be found on the BaseStation3 App Server List page.

BaseStation3 App Releases

This manual supports the BaseStation3 App Version 3.10.3.

What It Does

BaseStation3 App can:

- Access and monitor or control most devices connected to the BaseStation computer.
- Ability to apply filters changing the device view within the BaseStation3 App.
- Access the BaseStation3 Legend.
- Submit a Help Request via email or web.
- Turn BaseStation3 App push notifications on or off using the phone's operating system settings. The phone operating settings override push notifications in the BaseStation computer's settings.
- Valley offers add-on features that can be enabled with an annual subscription. This manual includes information about the Restricted Entry option. Restricted Entry provides timer options that notify users about a variety of field conditions such as chemical or fertilizer applications. The mobile application displays the restricted entry icon with the timer countdown.

App Startup

Setup

Once you have downloaded and installed the BaseStation3 App from the Apple App Store or Google Play Store, connect the device to the farm's server. This will enable remote monitoring and control of irrigation devices. To add the server, follow the steps below. See Figure 4-1.

Add Alias and Address

1. Tap the + icon next to the Server List.

Using the keyboard on the mobile device:

2. Enter an **Alias**.

3. Enter an **Address** (the Farm URL).

4. Tap **Done**.

The Alias is a simple name label that associates the BaseStation3 App with the service. An Alias can be any name desired and should be easily recognized. For example, the farm name.

The Address is specified as the farm URL configured in the computer for the BaseStation3 Internet web page. This is the server address. The address is provided by Valley when the server computer is set up and installed by the Valley dealer. To locate this information:

- View the desktop note for the BaseStation3 server computer.
- Contact the Valley dealer that installed the system.

NOTE

•The Address:

- ◇ **Must be spelled correctly with the correct port number.**
- ◇ **Is not case sensitive.**

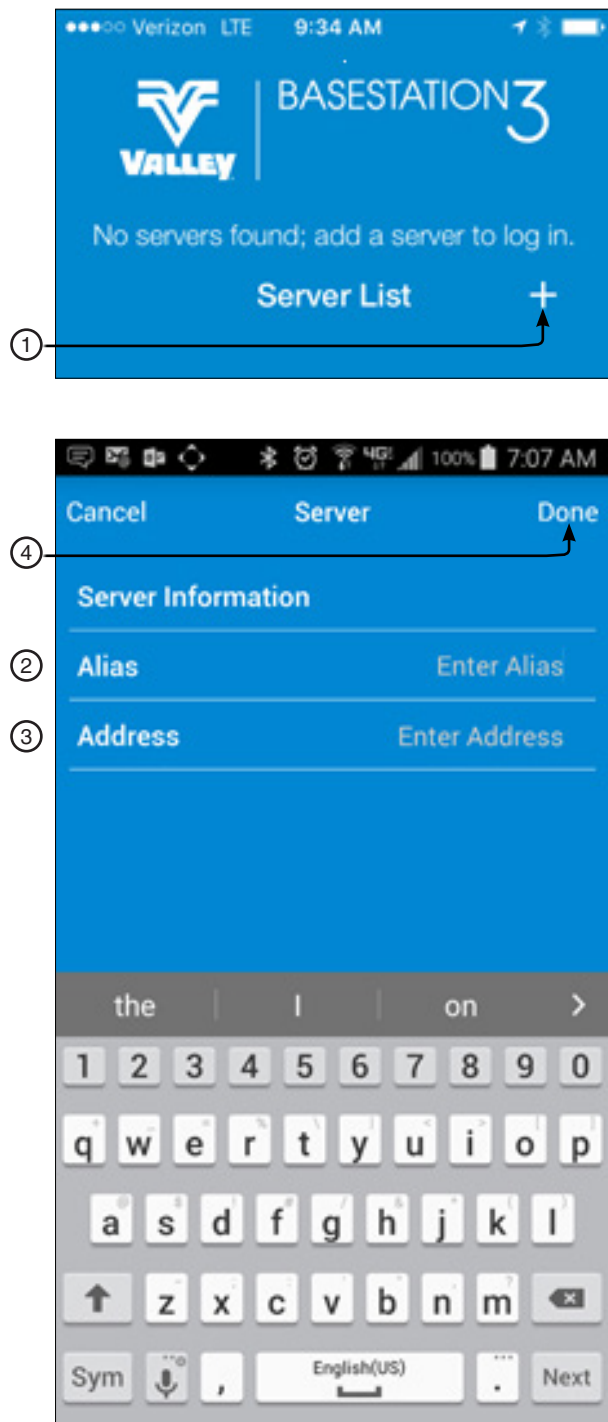


Figure 4-1 1. + Server List 2. Enter Alias 3. Enter Address 4. Done

Add Alias and Address (continued)

The Alias and Address information displays on the Server page along with check marks indicating a successful connection to the BaseStation3 server. See Figure 5-1.

NOTE

•If unable to connect, an Error message displays (see Figure 5-3). Check for the following:

- ◇ Unable to connect to Wifi.
- ◇ Incorrect Address/Port number.

Once the server connection is established, the Alias' name appears in the list of servers available to the BaseStation3 App. See Figure 5-2.

Tap the Alias name to open the Log In page.

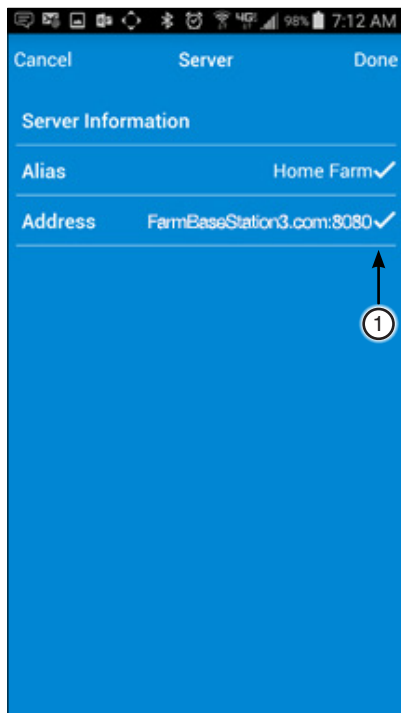


Figure 5-1 1. Successful Connection

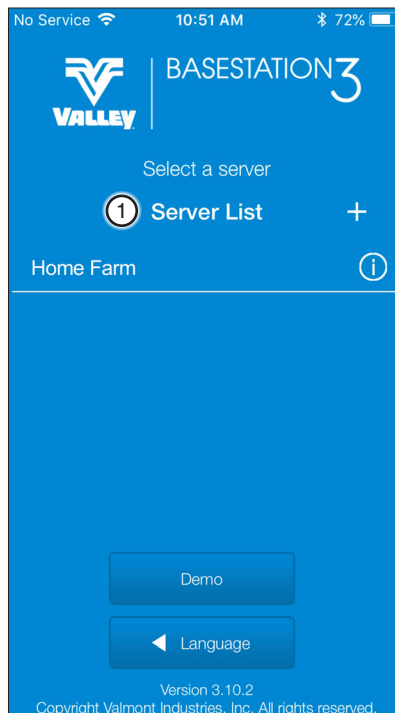


Figure 5-2 1. Server List

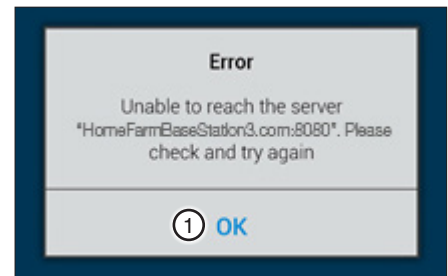


Figure 5-3 1. OK

App Startup

Log In to BaseStation3 App

The BaseStation3 App Log In page displays and includes:

- Language selection list
- Username/Password fields
- Log In button
- Remember Me option
- Forgot Details? link
- Server List button

To log in to the BaseStation3 App:

1. Enter the Username.
2. Enter the Password.
3. Enable/Disable the Remember Me option.
4. Tap **Log In**.

See Figure 6-1.

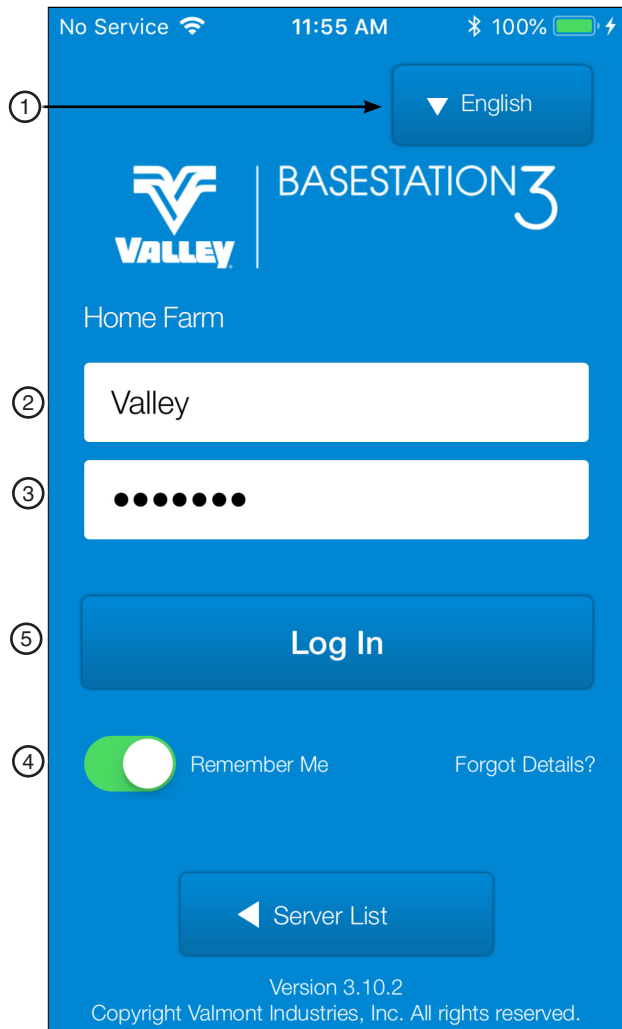


Figure 6-1

1. Language selection
2. Username
3. Password
4. Remember Me
5. Log In

BaseStation3 App > Home Screen

After successfully logging in to the BaseStation3 App and connecting to the server, the Device List is shown by default and includes navigation options such as:

- **Header Bar (1):** Shows phone status information and BaseStation3 App navigation options.
- **Main Menu (2):** Opens a list of additional menu options.
- **Farm/Group (3):** Opens a list of available farms and groups.
- **Search (4):** Allows an alpha-numeric search for device names and RTU IDs.
- **Show (5):** Opens a list of device types and state filters available for selection.

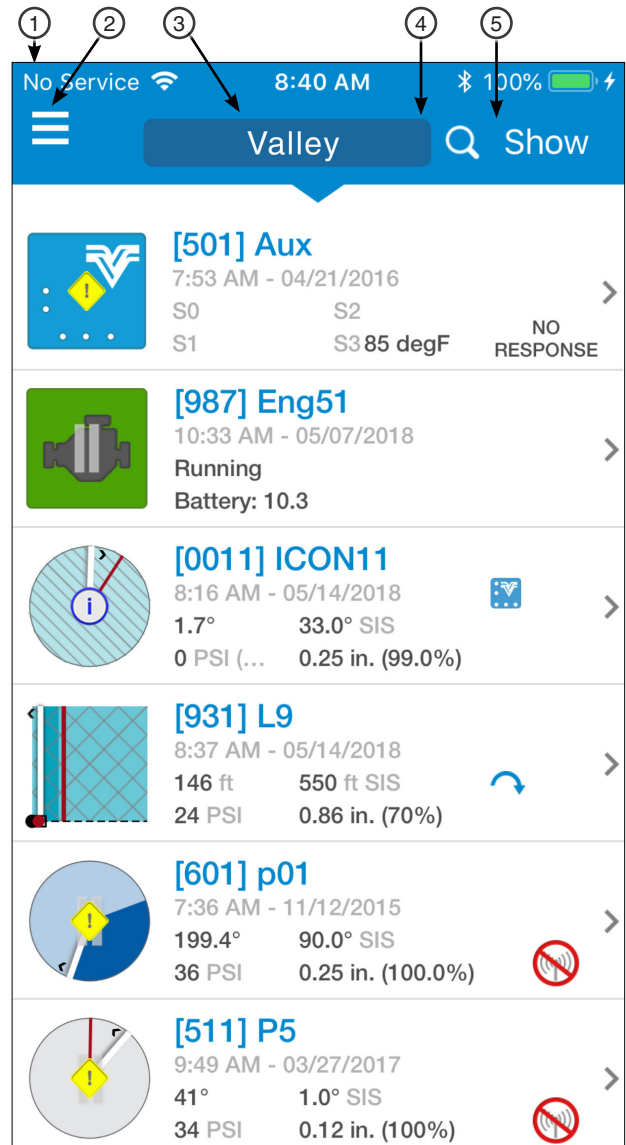


Figure 7-1 1. Header Bar 2. Main Menu 3. Farm/Group 4. Search 5. Show

Overview

BaseStation3 App > Home Screen > Farm/Group Filters

Farms and Groups are shown by expanding the list from the top of the screen. A Farm or Group can be selected using the filters. After a selection is made, only devices associated with the farm or group are shown. See Figure 8-1.

1. Swipe or tap the screen or down arrow to show the **Farms** and **Groups** filters. If only one item is available, the item name is shown.
2. Tap the right arrow > to expand the list for the Farms and Groups.
3. Swipe up or down to view choices and tap the desired selection.
4. Tap the down arrow again to close the Farm/Group list.
5. The selected **Farm/Group** device list is shown.

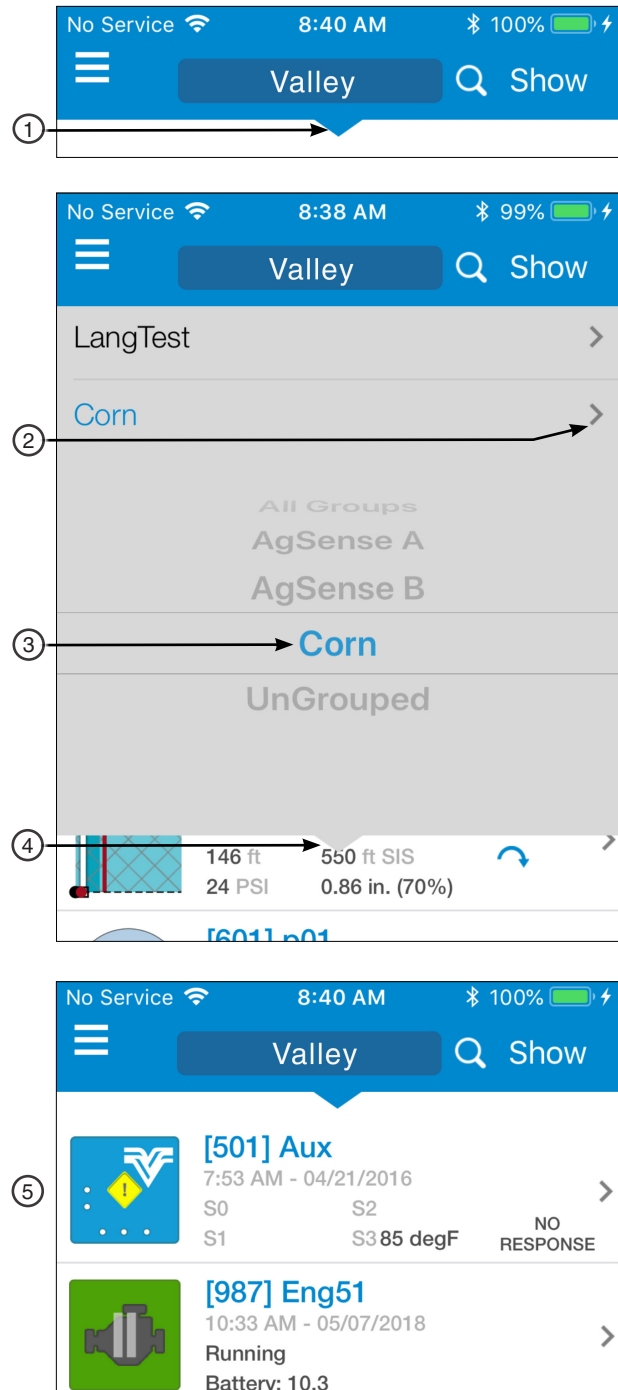


Figure 8-1

1. Open/Close Farm/Group List
2. Show Groups
3. Group
4. Open/Close Farm/Group List
5. Selected Farm/Group Devices

BaseStation3 App > Home Screen > Search

Selecting Search opens a search field. To search, refer to Figure 9-1 and do the following:

1. Tap the **Search** icon.
2. Use the keyboard to enter search criteria.
3. Tap the **Search** button.
4. The device list shows the search results.
5. Tap the **Search** icon to close the search field.

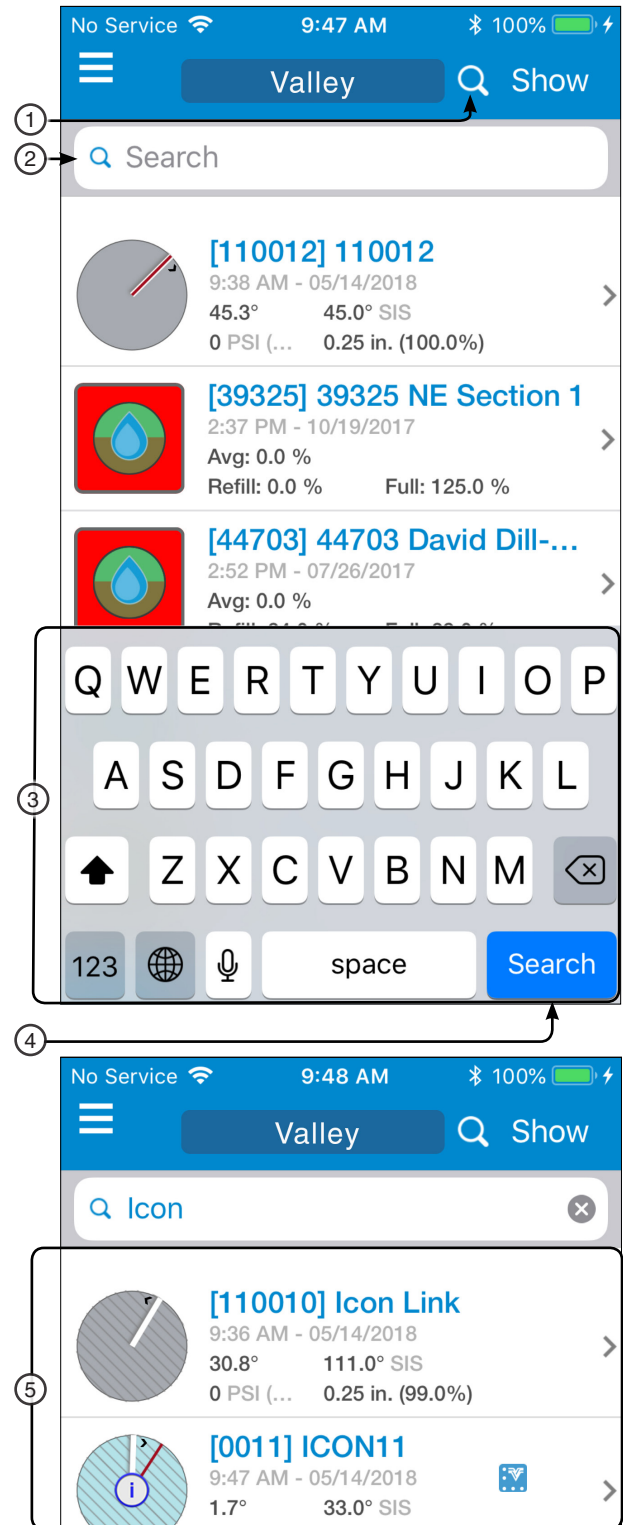


Figure 9-1

1. Search Icon	4. Search button
2. Search Field	5. Search results
3. Keyboard	

Overview

BaseStation3 App > Home Screen > Show

The Show option is a filter that allows only the selected devices to show. Refer to Figure 10-1 and do the following:

1. Tap **Show**.
2. Swipe up or down to view available choices and tap to select a filter from the filter list options.
3. The filtered list is displayed.
4. To close the filtered list, tap **Show**.

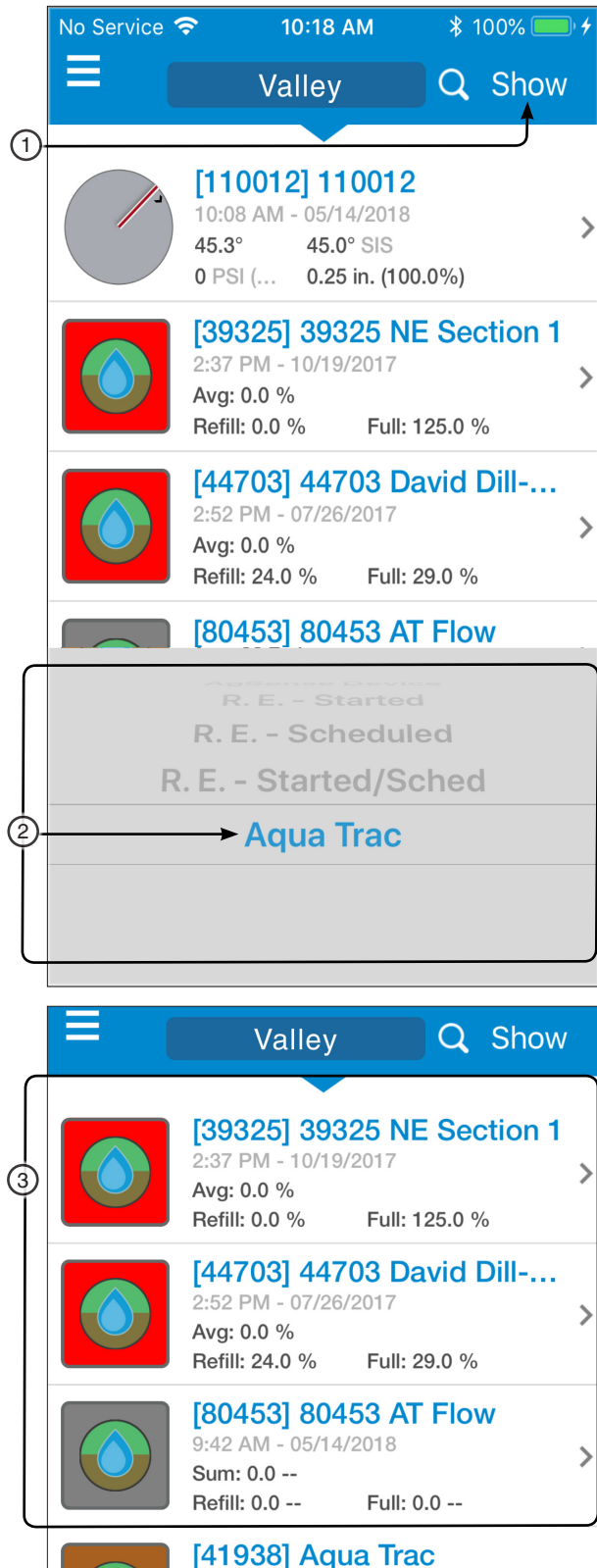


Figure 10-1 1. Show Open/Close 2. Filter List 3. Show Results

BaseStation3 App > Home Screen > Navigation

Navigation includes application level movement by tapping the header to display the current level (1). This is similar to a “back” navigation feature where the current screen can be switched to the next upper level screen.

After navigating to a device, tapping the device name allows upward navigation through the Farms and Groups hierarchy. To navigate refer to Figure 11-1 and do the following:

1. Tap the device name.
2. To navigate up to Farm/Group, tap **List View**.
3. The Farms and Groups name is shown.

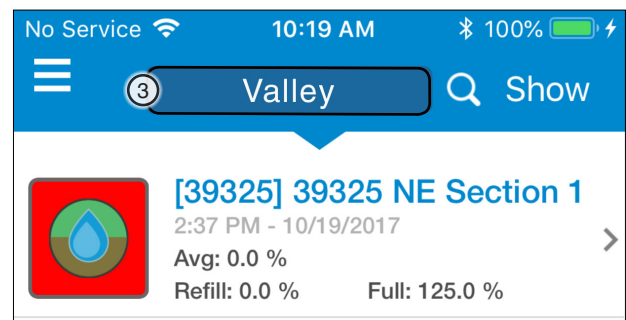
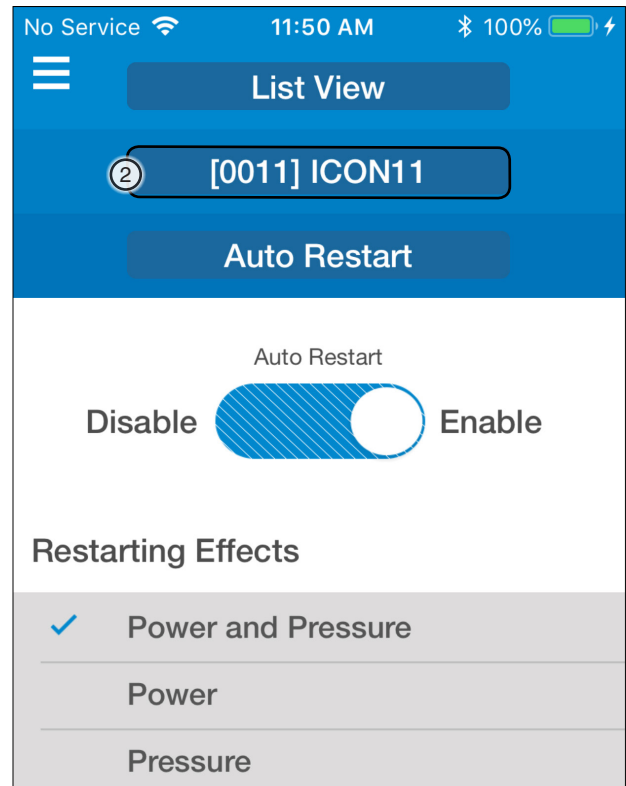
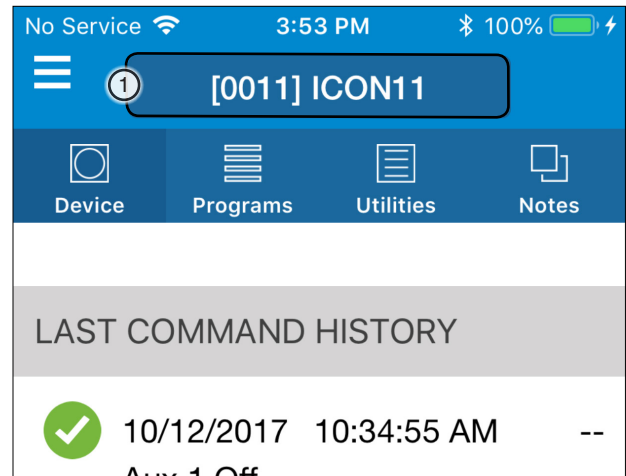


Figure 11-1 1. Selected Device
2. Device Hierarchy
3. Farms and Groups

Overview

BaseStation3 App > Home Screen > Main Menu

The **Main Menu (1)** opens a navigation panel that allows access to the following options:

- **App Information (2):** shows the BaseStation3 App version.
- **Device List (3):** shows a list view of devices. The list changes depending on existing filter selections. The Device List is shown by default.
- **Settings (4):** provides access to default views, profile details and the end gun map display.
- **Legend (5):** shows Icons for Device States, Icons and Symbols and Alarm Levels.
- **Help Request (6):** shows Help Desk contact options.
- **Logout (7):** logs the user out of the BaseStation3 App and returns the user to the home screen.

Continue to view Main Menu features.

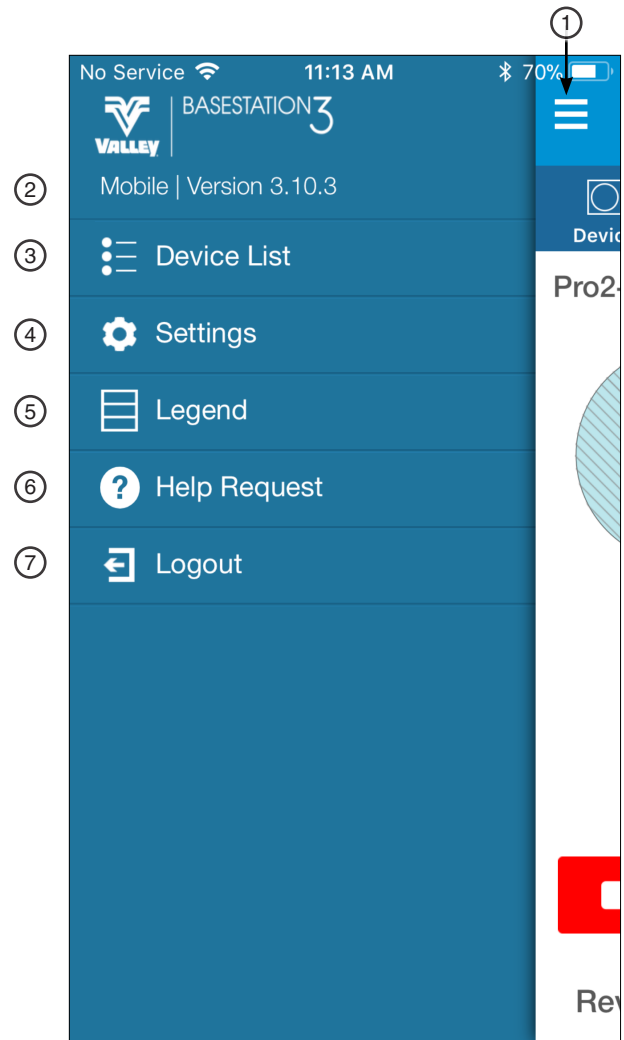


Figure 12-2 1. Main Menu 5. Legend
2. BS3 App Version 6. Help Request
3. Device List 7. Logout
4. Settings

BaseStation3 App > Home Screen > Main Menu > Device List

The Device List is shown by default for the Farm/ Group displayed in the Header bar. The Device List name changes based on user selection.

- **Farm/Group Name (1):** changes based on user selection when a device or device option is selected.
- **Device icon (2):** Displays the device icon as shown in BaseStation3 server.
- **Alarm icon (3):** shown if the device includes an alarm state.
- **Device ID/Label (4):** The Device RTU ID and name displays.
- **Last polled date/time (5):** timestamp of last polled date and time.
- **Device specific information (6):** displays information unique to the device.
- **Connection Status (7):** Connection status based on last polled response.
- **Device Programs/Utilities (8):** Links to available to the BaseStation3 App link.

NOTE

•The Device List only includes devices that have a known current status. If a device has not had communications with the BaseStation3 server, providing current status is not included in the Device List.

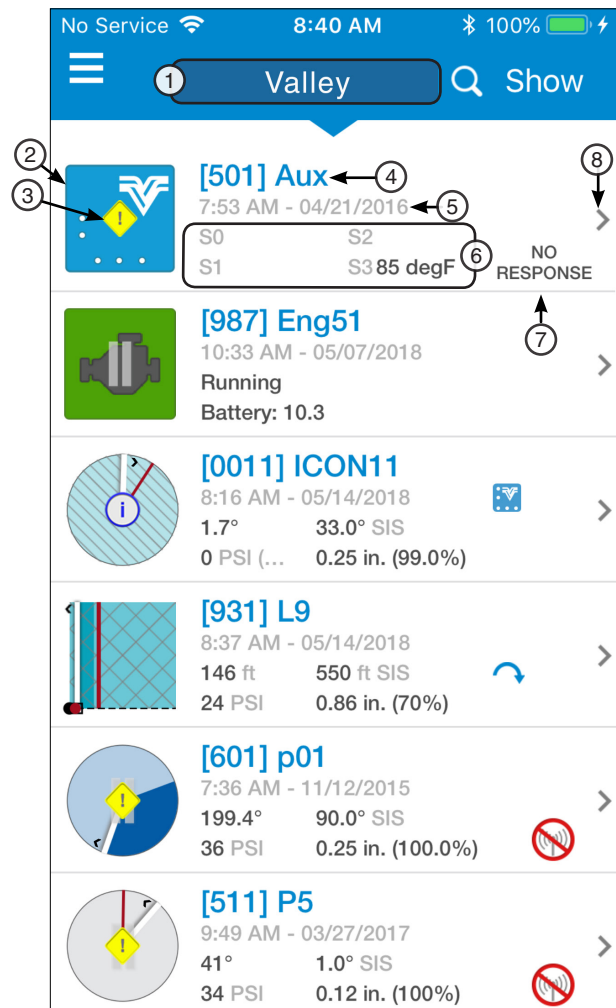


Figure 13-1

1. Farm Name
2. Device Icon
3. Status Alarm
4. Device ID/ Name
5. Last Polled Date/Time
6. Device Details
7. Connection Status
8. Programs/Utilities Link

Mobile App Settings

BaseStation3 App > Home Screen > Main Menu > Settings

To view the BaseStation3 App Settings, tap **Settings** from the Main Menu. See Figure 14-1.

The Settings options include:

- DEFAULT VIEWS
 - » Farms
 - » Groups
 - » Sort
- EDIT PROFILE
- End Gun Map

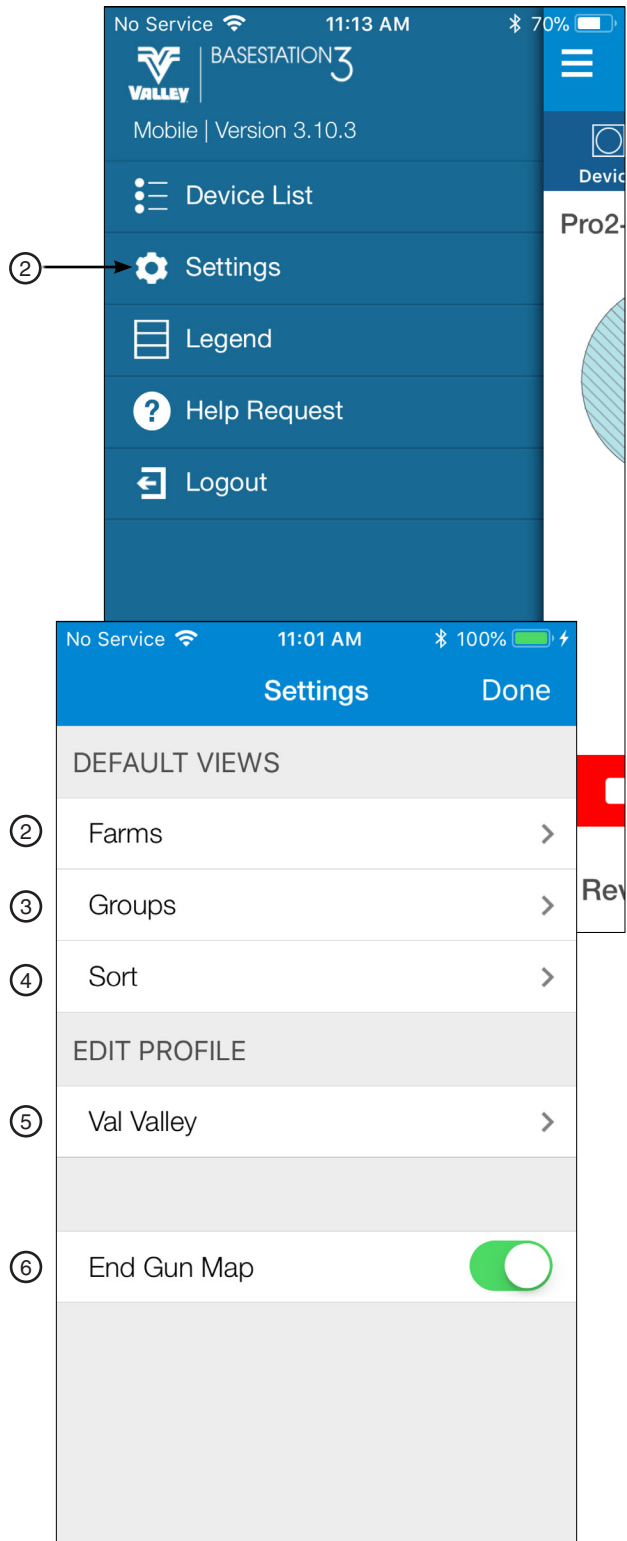


Figure 14-1

1. Settings	4. Sort
2. Farms	5. User Profile
3. Groups	6. End Gun Map

Mobile App Settings

BaseStation3 App > Home Screen > Main Menu > Settings > Default Views

The Default Views option allows the user to add or modify additional device list views. See Figure 15-1.

1. Tap the right arrow > to view and modify desired option.
2. Swipe up or down to view choices and tap the desired selection.
3. Tap **Done** to return to the Device List view. The Default View of the Device List is updated according to selections made.
4. The filtered option displays as a navigation option in the **Device** list.
5. To view the filter options, swipe or tap the down arrow at the top of the screen.

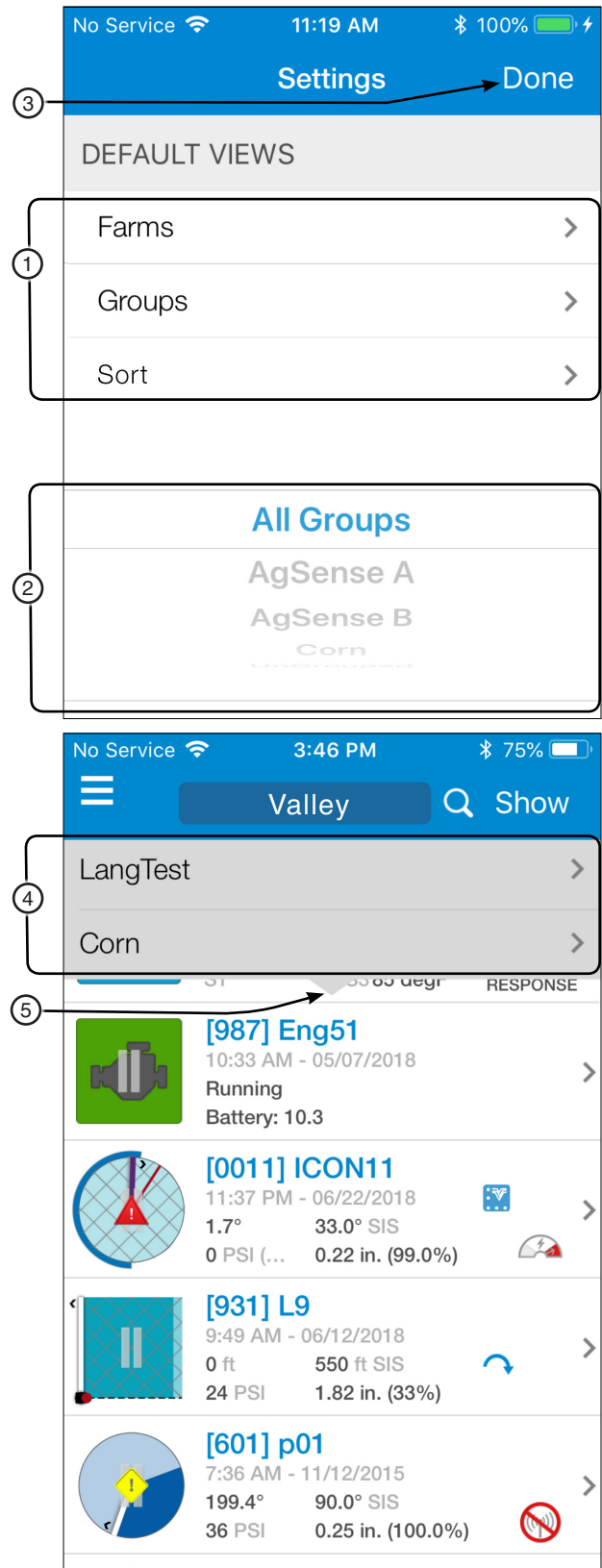


Figure 15-1 1. Default view selectors
2. Group selector
3. Done
4. Farm selector

Mobile App Settings

BaseStation3 App > Home Screen > Main Menu > Settings > Edit Profile

To edit a profile in the BaseStation3 App, tap **Settings**, then tap the desired user profile and edit using the device keypad. See Figure 16-1.

The user profile includes:

- First/Last Name
- Email Address
- Current/New/Confirm Password

After edits are complete, tap **Submit** and **Done** to apply changes to the profile and return to the Settings menu.

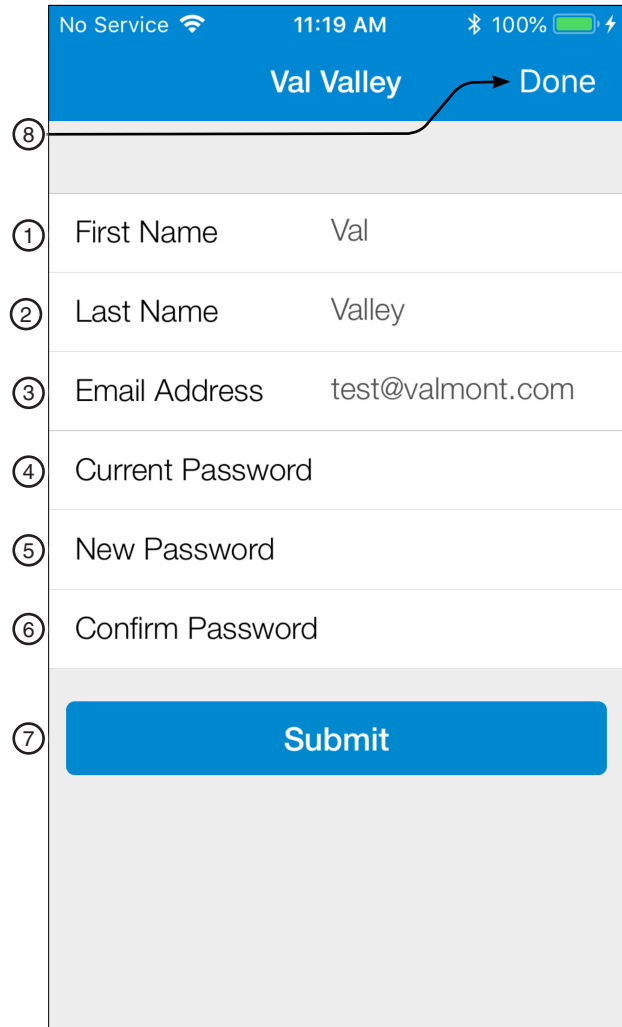


Figure 16-1

1. First Name	5. New Password
2. Last Name	6. Confirm Password
3. Email Address	7. Submit
4. Current Password	8. Done

Mobile App Legend

BaseStation3 App > Home Screen > Main Menu > Legend

To view the BaseStation3 App Legend, tap **Main Menu** and then tap **Legend**. See Figure 17-1.

The **Legend** displays information about the visual icons including:

- Device States
- Icons and Symbols
- Alarm Levels

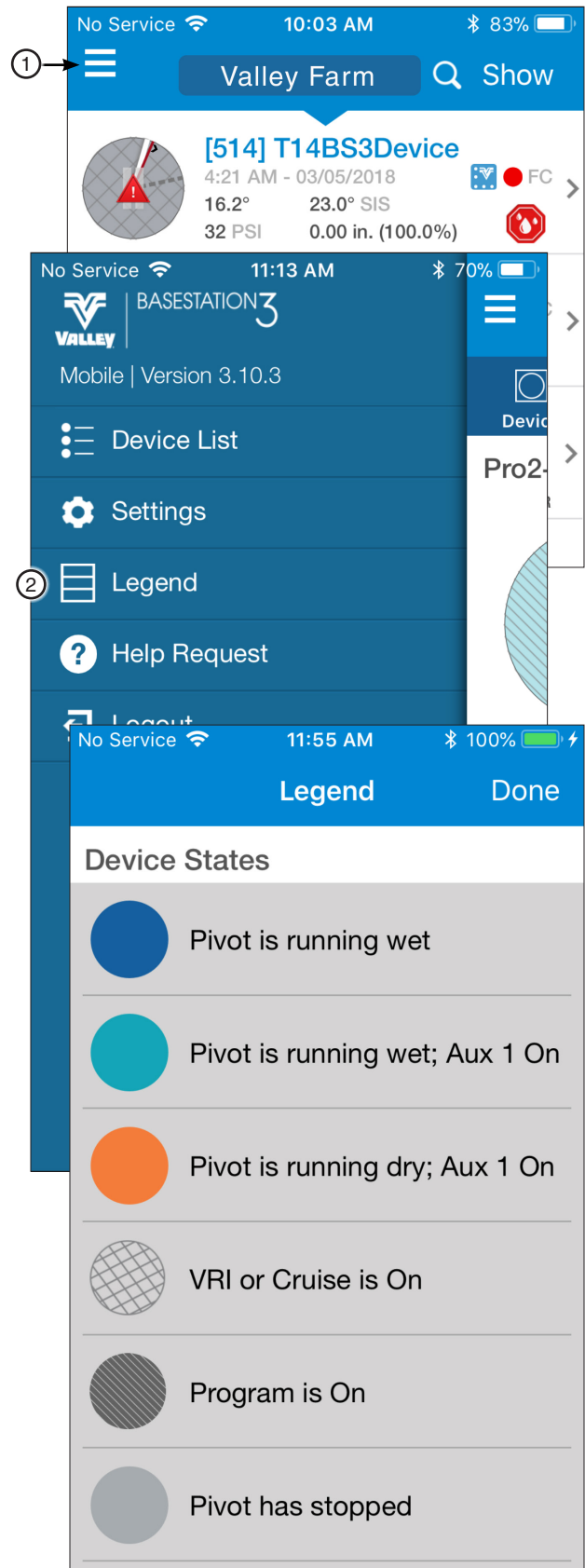


Figure 17-1 1. Settings
2. Legend

Help Request

Help Request

To open a Help Request, tap the **Help Request** option from the Main Menu. See Figure 18-1.

- Choose **Help Request**.
- To log a help request, users can:
 - » Call the listed phone number.
 - » E-mail the provided e-mail address.

Tap **Done** to return to the Main Menu.

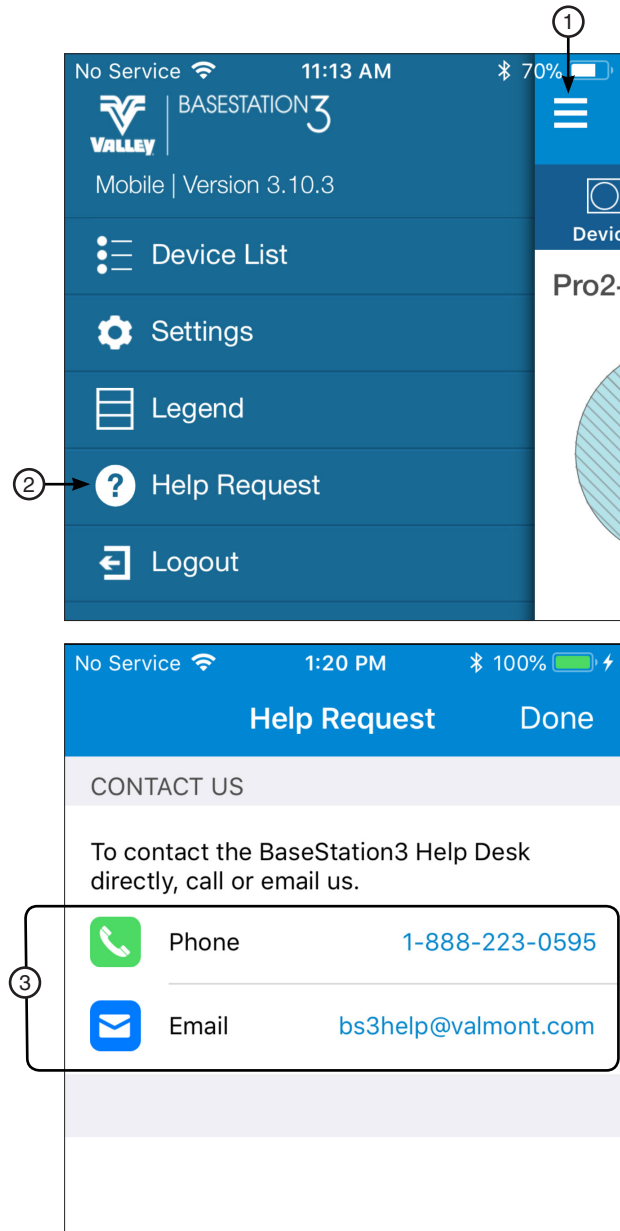


Figure 18-1 1. Help Request

Logout

To Logout of the BaseStation3 App, tap the Main Menu.

Tap **Logout**.

The Log In page displays. See Figure 19-1.

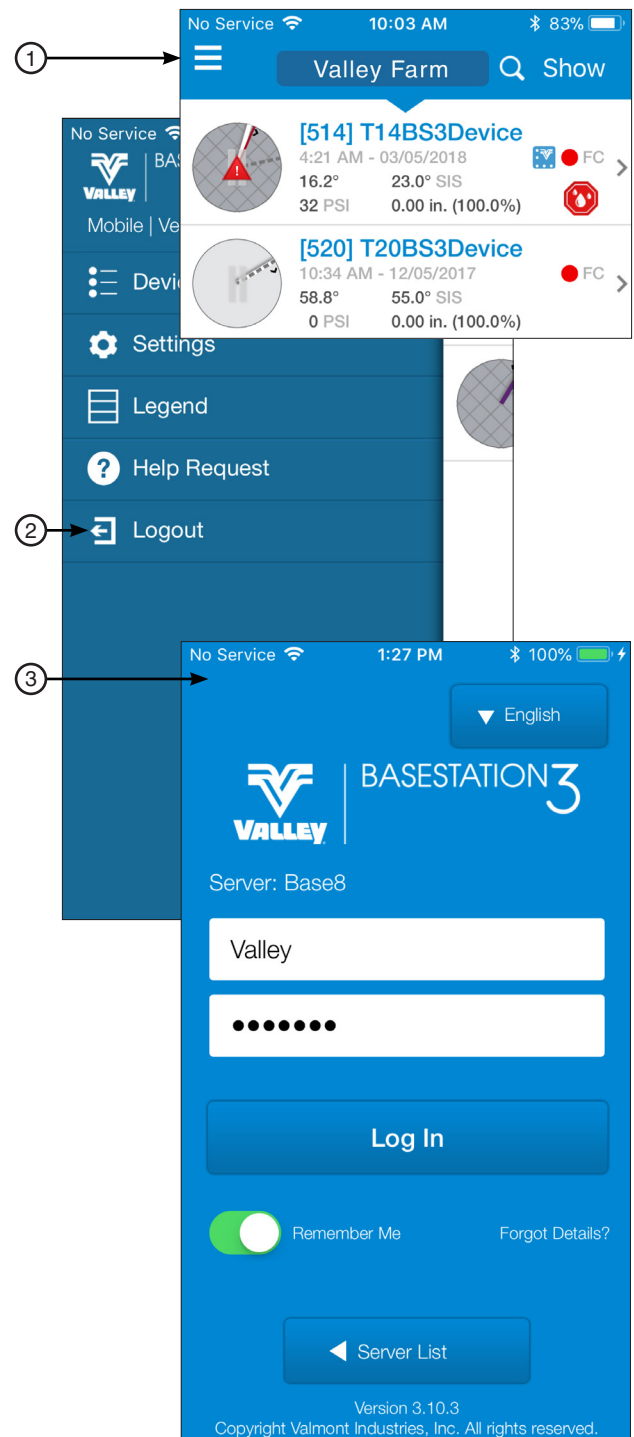


Figure 19-1 1. Logout
2. Log In Page

Monitor and Control

Common Device Functions and Options

Common functions are used across all device panel views and between different tabs. To access a device's functions and options, tap the desired device from the Device List. See Figure 15-1.

Device details are organized from top to bottom with the following common functions:

- **RTU ID/Device Name (1):** The RTU ID and Device Name appears in the header.
- **Device Options (2):** Tab options for the device are located below the header.

Tabs displayed depend on the type of device selected. To access device controls and options, tap the desired tab. Refer to the table below to view tab options by device.

Device Types	Device	Programs	Utilities	Notes	AgSense Status
Select	X	X	X	X	
Select 2	X	X	X	X	
Select2+	X	X	X	X	
Pro	X	X	X	X	
Pro2	X	X	X	X	
Pro2+	X	X	X	X	
ICON	X	X	X	X	
Linear	X	X	X	X	
Auxiliary Link	X				
Torrent Pump	X			X	
Vacon Pump	X			X	
Yaskawa Pump	X			X	
Engine Control	X			X	
Aqua Trac Sensor	X				X
Commander VP	X		X		X
Field Commander	X		X		X
ICON Link	X		X		X
Panel Link	X		X	X	

Figure 20-1

- **Device Type (3):** Device type/version (optional) displays under the device tabs.
- **Device Status (4):** Includes a graphic of the device illustrating current status and alarms along with details about the last reported status of the device. Swipe the details area to view. The **Get Status (5)** button allows for on demand status updates. The **Clear Alarms (6)** button clears the alarm from the selected device and updates the status to the current status.
- **Device Controls (7):** Slide switches, buttons or text fields allow changes in the operation of the device.
- **Polling (8):** Allows polling to be turned on or off.
- **Last Command History (9):** Displays a history of the most recent commands. Up to five commands are shown.
- **Pending Commands (10):** The Pending Commands list dialog box automatically populates when changes to device controls are entered. Tap **Don't Send** or **Send** to cancel or send a command to the device. The show/hide arrow at the top to the Pending Commands list dialog box can minimize or expand any pending commands.

Monitor and Control

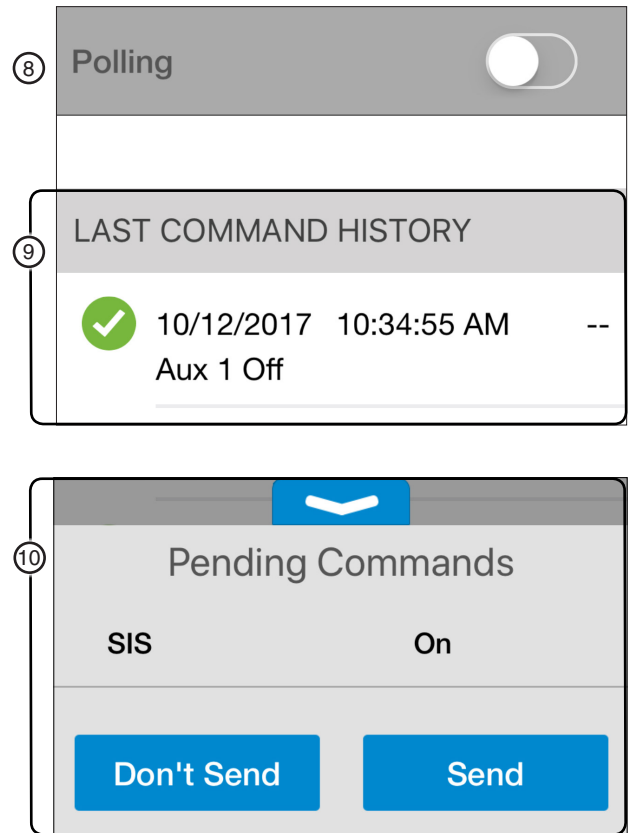
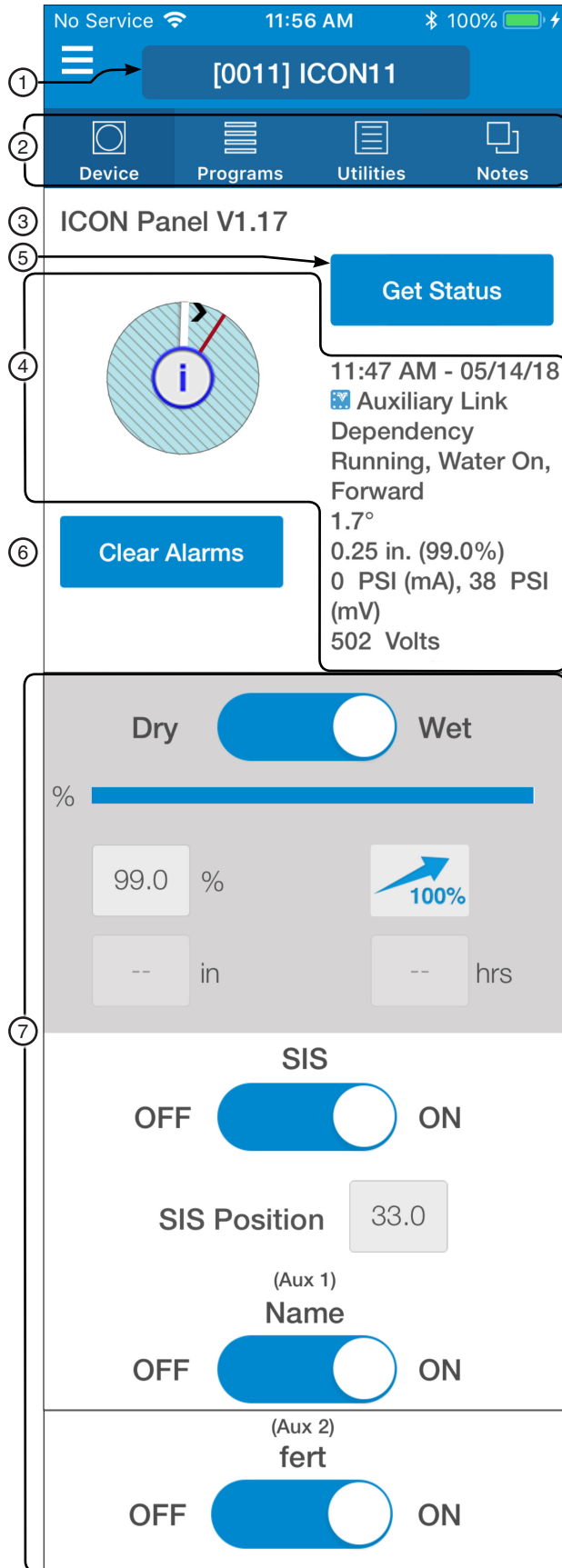


Figure 21-1

1. RTU ID/Device Name	6. Clear Alarms
2. Tab Options	7. Device Controls
3. Device Type/Version	8. Polling
4. Device Graphic/Status	9. Last Command History
5. Get Status	10. Pending Commands

Monitor and Control

Common Device Functions and Options > Notes

The Notes tab provides an area to enter notes for the device.

NOTE

•Not all devices include a notes tab.

By default, the screen displays a “No Notes Found” message when no notes have been entered.

To add a note, tap the + symbol and enter a note using the keypad.

When finished tap **Done**.

The first few characters of the note and the date are visible. Notes are displayed with the newest note on top. See Figure 47-1.

If notes have been added, tap the desired selection to view the note’s contents.

When finished viewing tap **Done**.

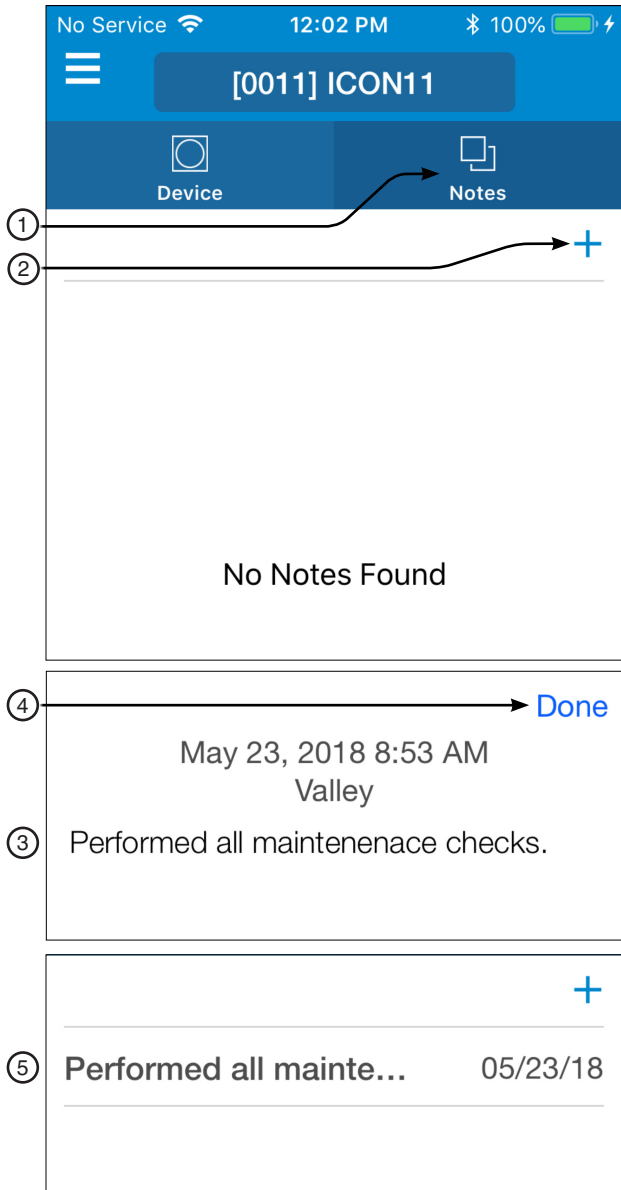


Figure 22-1 1. Notes 4. Done
2. + 5. Note preview and date
3. Note text

Pivot

In addition to common device functions, pivot tab options include:

- Device
- Programs
- Utilities
- Notes (refer to page 36 for details)

Pivot > Device

The Pivot Device tab includes common device functions available to monitor and control the device. See page 36 . Swipe and tap to navigate and view/change pivot operation. In addition to common device functions and operation, the following controls are specific to the pivots device:

Device Status (1): The Pivot device status includes the graphic icon and status details.

Device Controls (2): Slide switches, buttons and text fields allow changes to the operation of the pivot.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

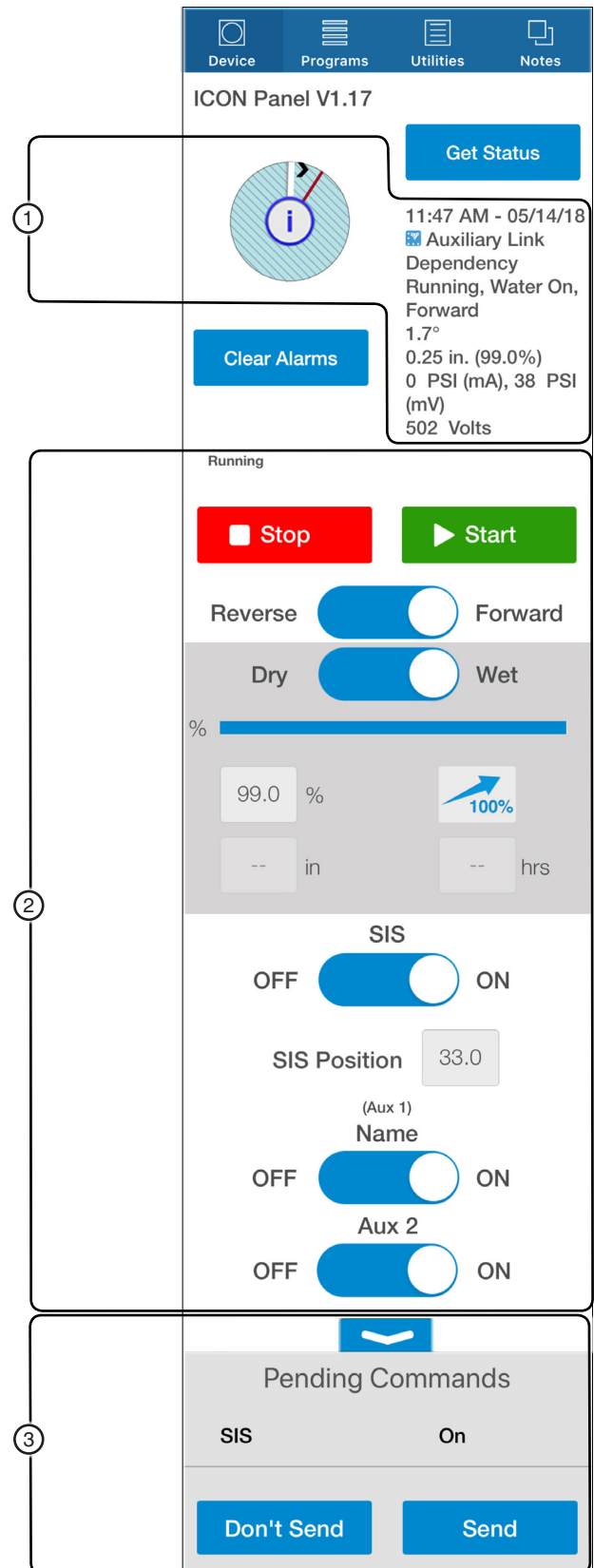


Figure 23-1 1. Device Status
2. Device Controls
3. Pending Commands

Monitor and Control

Pivot > Programs

The Programs tab may include some or all of the following options:

- BASESTATION application programs
 - Destination ETA
- CONTROL PANEL local programs
 - Cruise Control
 - Step Programs
 - VRI Prescriptions

Tap > to view or modify the desired option. See Figure 24-1.

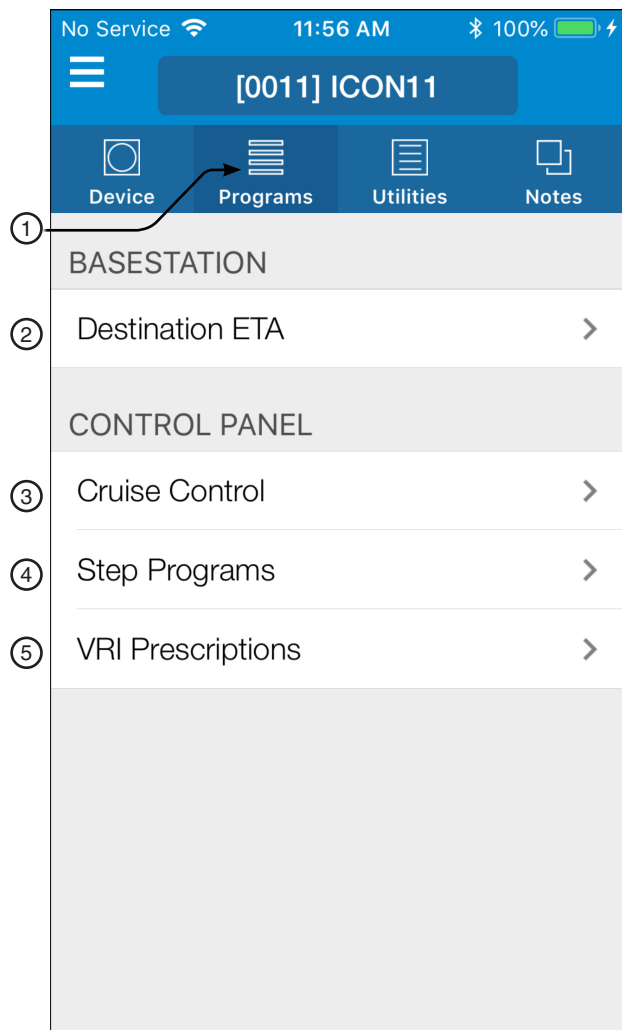


Figure 24-1 1. Programs 4. Step Programs
2. Destination ETA 5. VRI Prescriptions
3. Cruise Control

Pivot > Programs > Destination ETA

The Destination ETA is the running duration calculation of the current run to a marked destination. See Figure 25-1.

Tap the slider to **Disable** or **Enable** the feature.

The Other Angle can be changed by tapping on the angle field. See Figure 33-1.

NOTES

•The Destination ETA feature is automatically disabled and cannot be enabled when:

- ◇ VRI is Running.
- ◇ Percent Timer is set to 0.
- ◇ Machine is stopped.

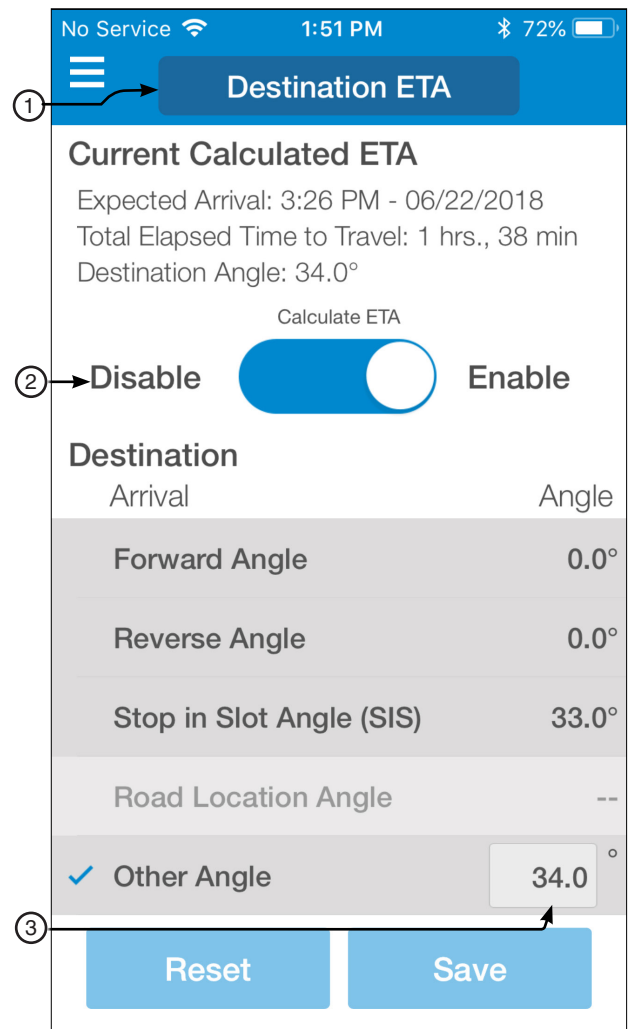


Figure 25-1 1. Destination ETA
2. Disable/Enable
3. Other Angle

Monitor and Control

Pivot > Programs > Destination ETA

Change the Other Angle by tapping on numeric field.

Enter the new angle using the keypad and then tap **Done**.

Tap **Save**.

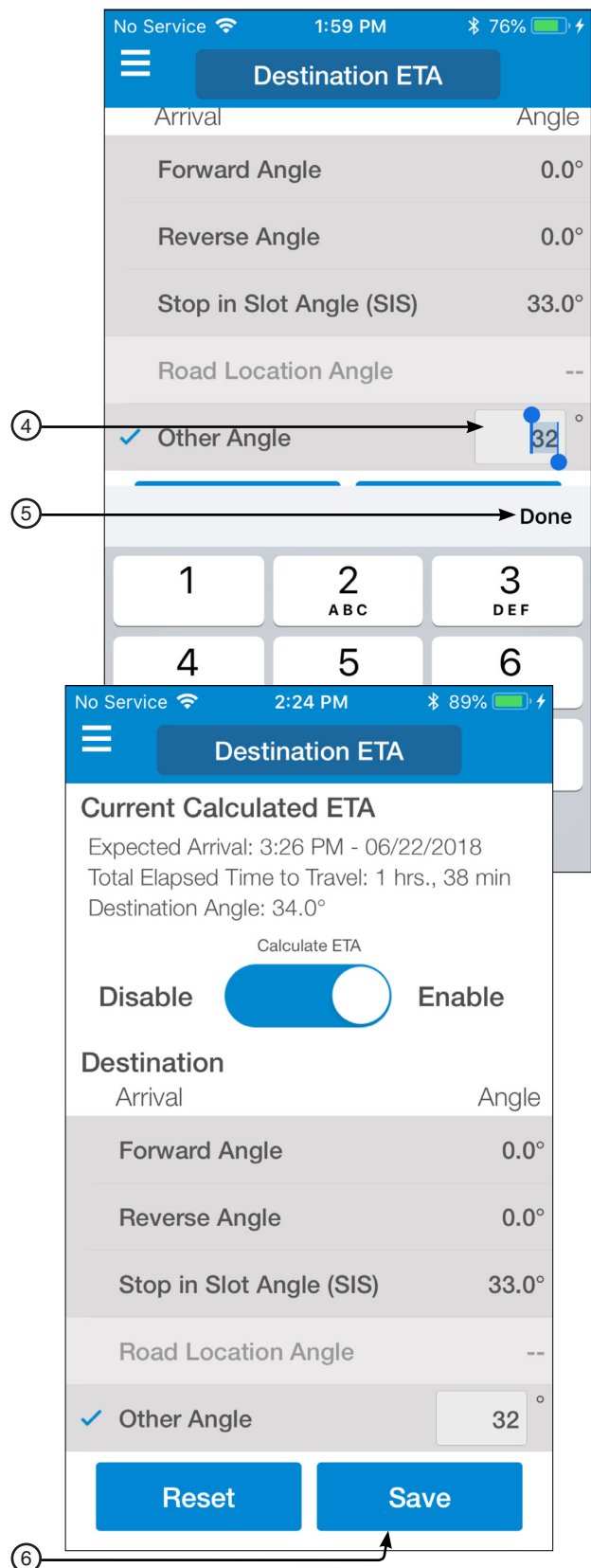


Figure 26-1 1. Other Angle
2. Done
3. Save

Monitor and Control

Pivot > Programs > Cruise Control

Cruise Control is supported by some pivot devices. Tap the slider to **Disable** or **Enable** Cruise Control. Options include:

- Get Cruise Info
- Cruise Control Disable/Enable
- Set Cruise Hours Per Pass
- Application hours are adjusted based on available options such as (PRO2, PRO2+, ICON):
 - Field Size
 - Change of Speed
 - Resolution

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

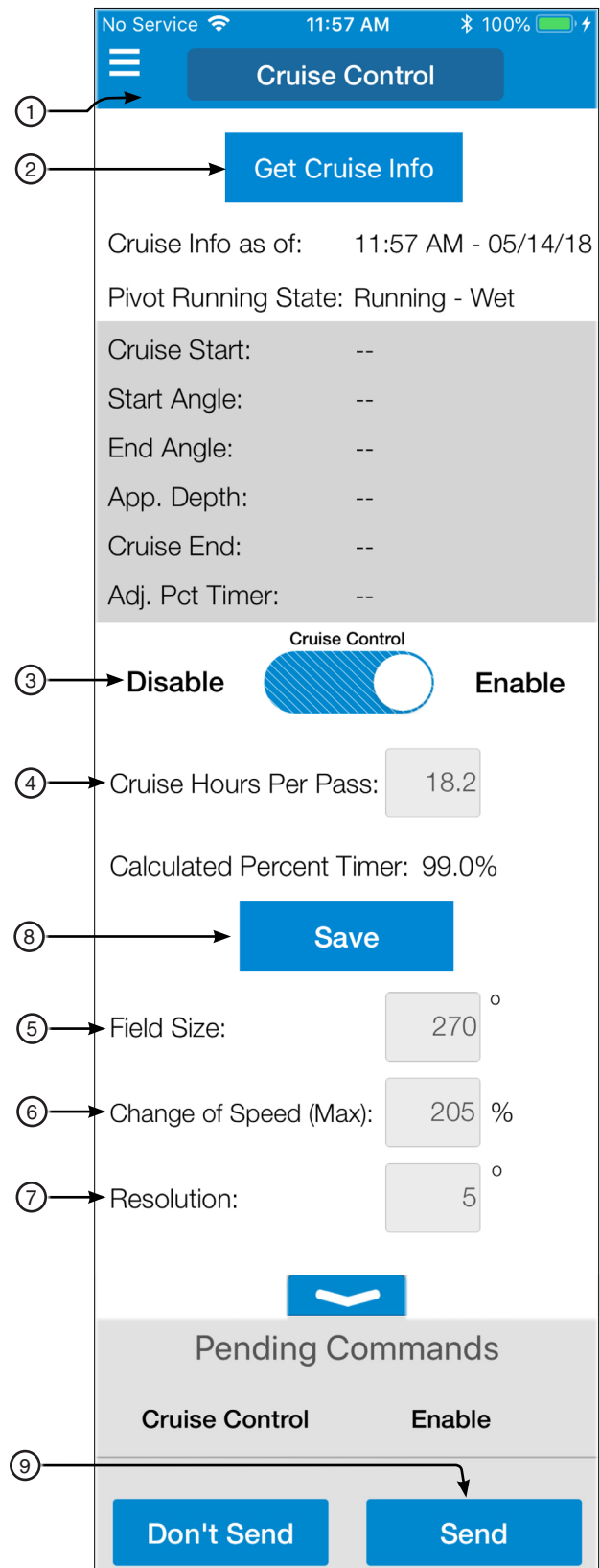


Figure 27-1 1. Cruise Control 2. Get Cruise Info 3. Disable/Enable 4. Cruise Hours Per Pass 5. Field Size 6. Change of Speed 7. Resolution 8. Save 9. Send

Monitor and Control

Pivot > Programs > Step Programs

Step Programs provides the option to set running conditions for the system. Tap **Running Only** or **On Panel** to view Step Programs.

Tap the desired Step Program to view its details. A green dot on the left margin of the program list indicates a running program.

Tap to **Cancel**, **Edit** or **Store** a Step Program. Tap the > to view additional details about a step program condition or command. Once changes are made, tap **Store**, **Store and Run**, or **Store, Run and Erase**.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

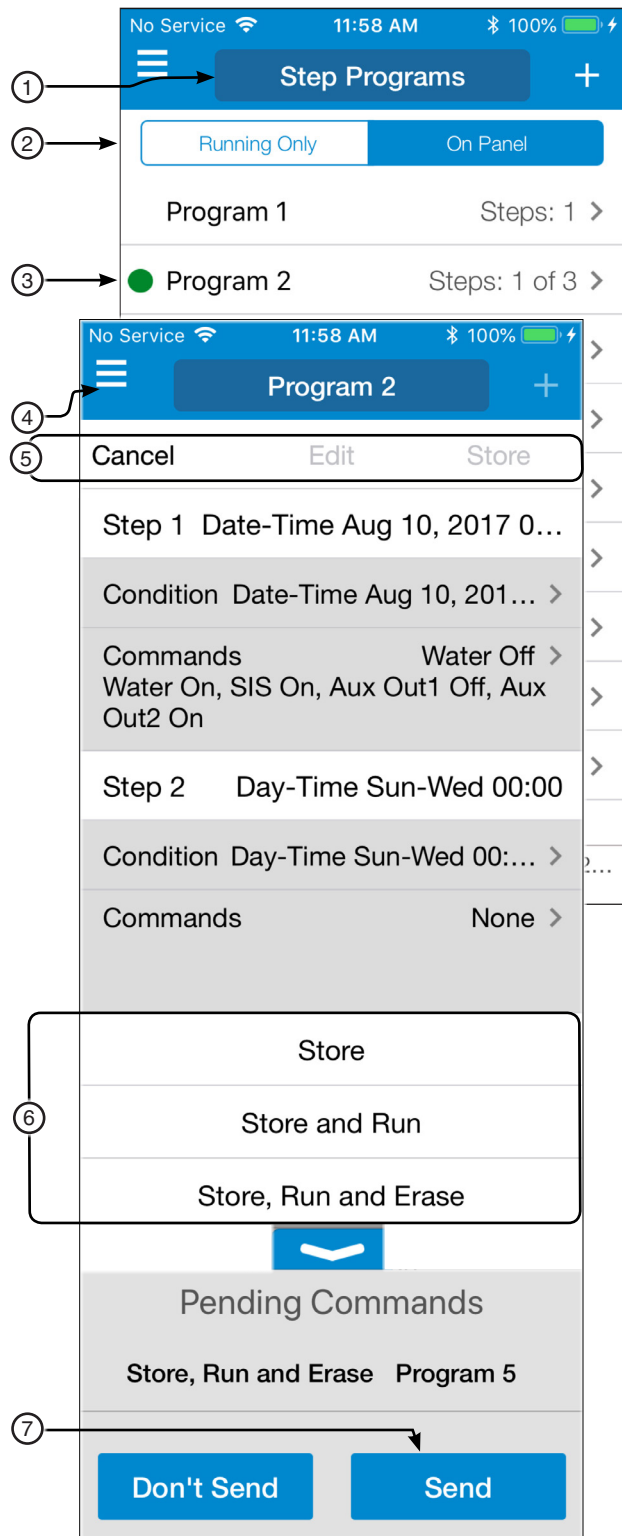


Figure 28-1 1. Step Programs
2. Running Only/On Panel filter
3. Step Program
4. Step Program
5. Cancel/Edit/Store
6. Store/Store and Run/Store, Run and Erase
7. Send

Pivot > Programs > VRI Prescriptions

VRI Prescriptions control the application depth of water for specific sections or management zones in the field. See Figure 29-1.

1. Tap **Get VRI** (this ensures that the mode information is current).
2. Tap **Prescription**.
3. Tap **VRI On**.

VRI Program options include:

- Prescription selection
- VRI Off/On

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

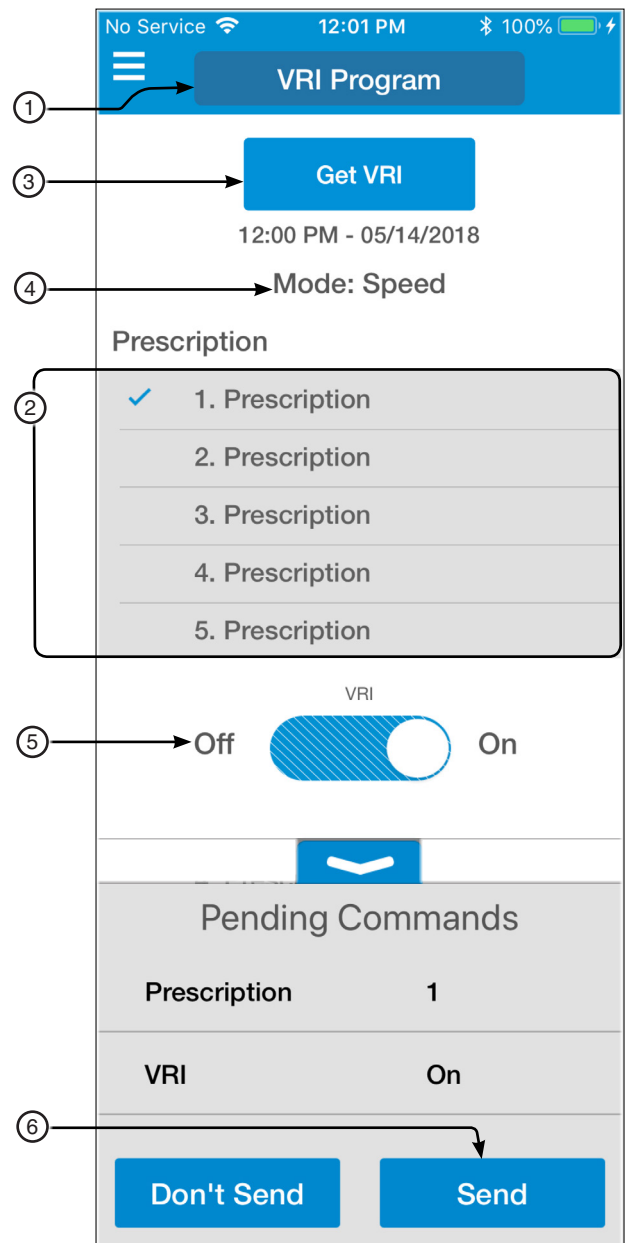


Figure 29-1

1. VRI Program	4. Mode
2. Selected Prescription	5. VRI Off/On
3. Get VRI	6. Send

Monitor and Control

Pivot > Utilities > Options

After selecting the pivot from the Device List, tap **Utilities** to view the following options:

- Auto Restart
- ARAS
- End Guns
- Restricted Entry

Tap the desired option to view or modify it. See Figure 30-1.

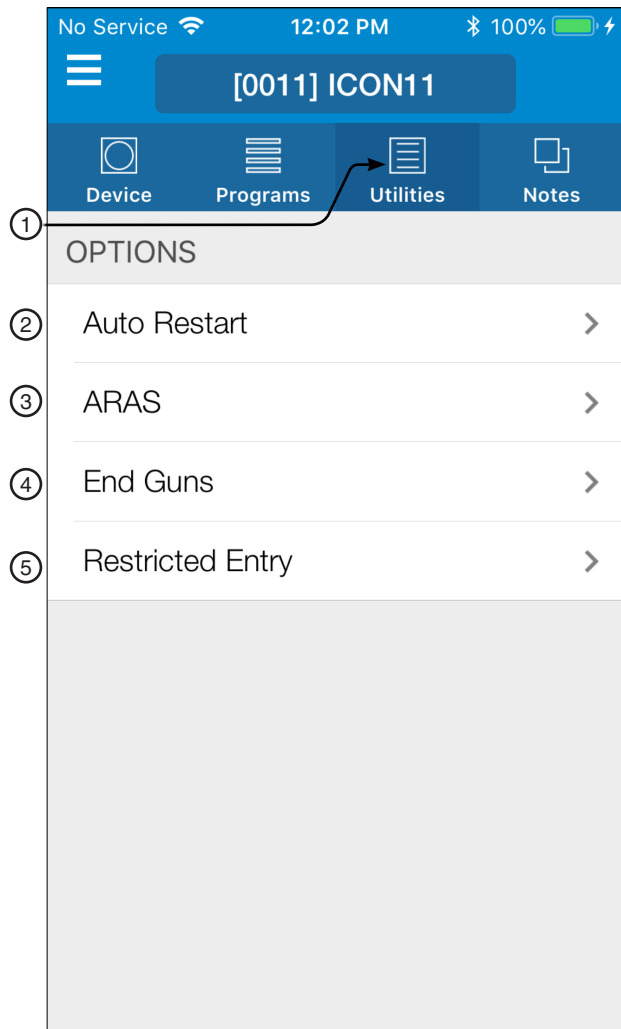


Figure 30-1 1. Utilities
2. Auto Restart
3. ARAS
4. End Guns
5. Restricted Entry

Pivot > Utilities > Options > Auto Restart

Auto Restart includes the following controls:

- Get Settings
- Auto Restart Disable/Enable
- Restarting Effects
 - Power and Pressure
 - Power
 - Pressure

A check mark indicates the selected option. See Figure 31-1. Tap **Auto Restart Disable** or **Enable**. Tap the desired Restarting Effects option.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

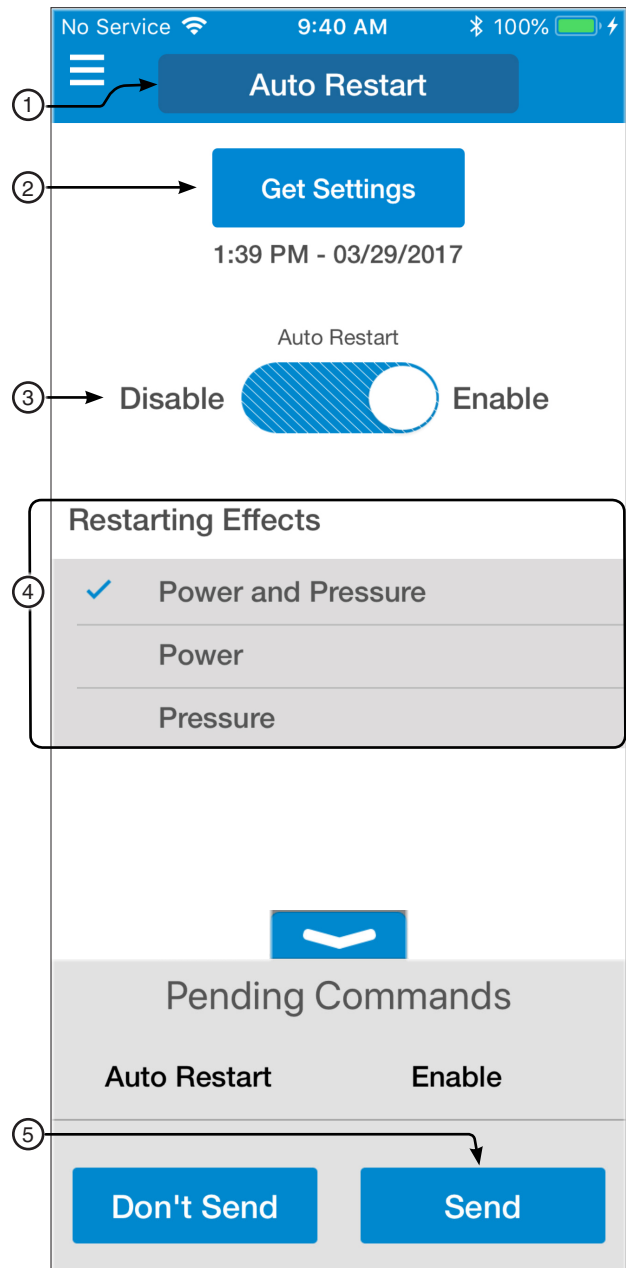


Figure 31-1 1. Auto Restart
2. Get Settings
3. Disable/Enable
4. Restarting Effects options
5. Send

Monitor and Control

Pivot > Utilities > Options > ARAS (Auto Reverse Auto Stop)

Auto Reverse/Auto Stop controls include:

- Get Settings
- ARAS Disable/Enable
- Mode
 - » Auto Reverse
 - » Auto Stop
- ARAS Delay Time

A check mark indicates the selected Mode.

The **ARAS Delay Time** can be set between 0 and 5000 seconds. To enter a time, tap the **ARAS Delay Time** field and enter the desired time using the keypad.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

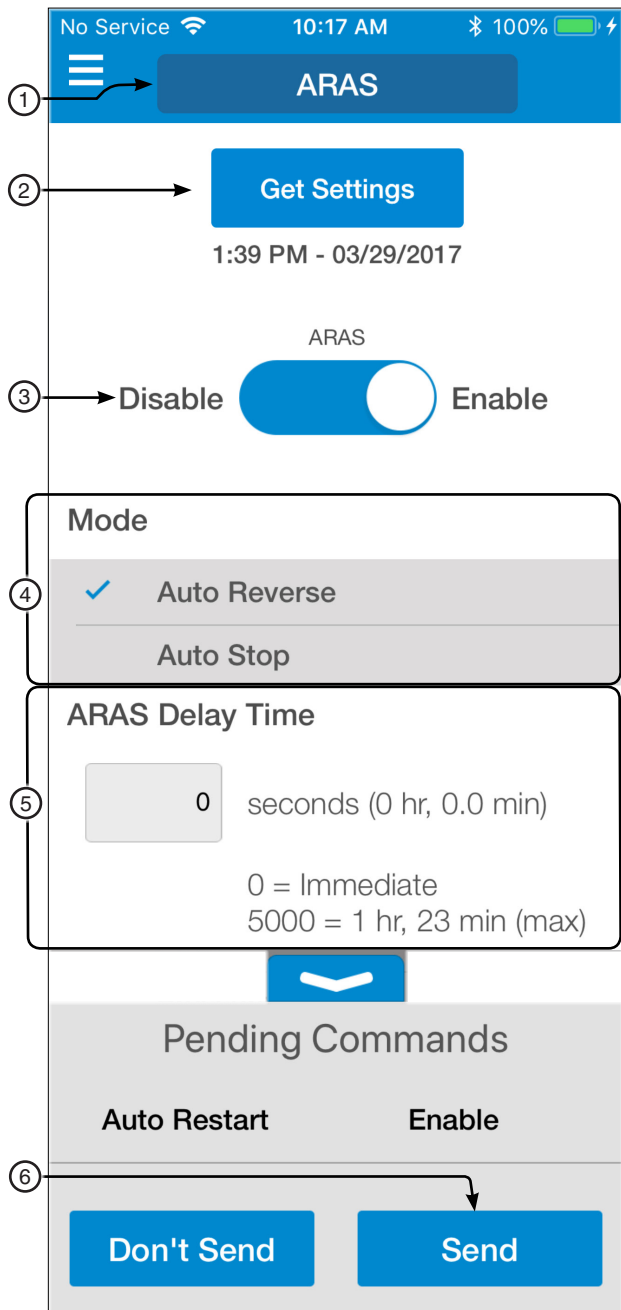


Figure 32-1 1. ARAS
2. ARAS Get Settings
3. ARAS Disable/Enable
4. Mode options
5. ARAS Delay Time
6. Send

Pivot > Utilities > Options > End Guns

End Guns options allow for changes to the pivot including:

- End Gun selection
- Get Angles
- End Gun graphic
- End Gun Disable/Enable
- Edit Angles

Tap the desired end gun. The graphic shows the End gun settings for each end gun.

To edit End Gun angles, select the desired end gun and tap **Edit Angles** and continue on the next page.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

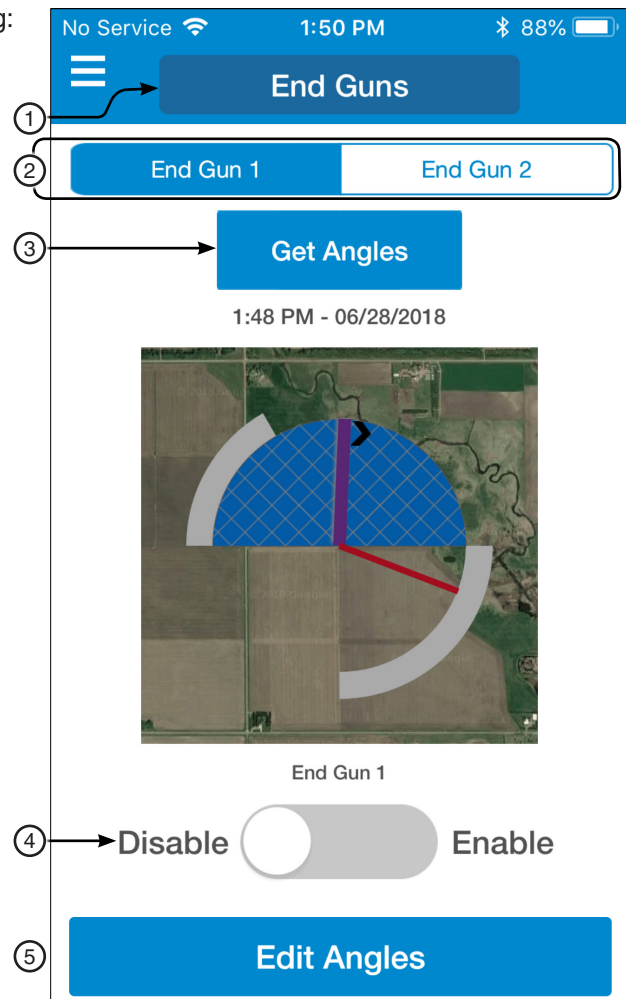


Figure 33-1 1. End Guns
2. End Gun selection option
3. Get Angles
4. End Gun Disable/Enable
5. Edit Angles

Monitor and Control

Pivot > Utilities > Options > End Guns

To edit End Gun angles, tap the desired end gun and tap Edit Angles. See page 36, Figure 33-1.

Determine which sequence number (1 through 9) to change. Tap the desired field to enter the **Left Angle** using the keypad. The angle can be input in tenths. Tap the desired field to enter the **Right Angle**. The angle can be input in tenths. Enter angles in other sequences as required.

Tap **Preview** to update the pivot graphic.

When done tap **Done**.

Tap **Send** in the **Pending Commands** list dialog box.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

NOTE

- End Gun Templates are not created using the BaseStation3 mobile application.
- Existing End Gun angles can be viewed and changed using the mobile application; but templates cannot be saved.

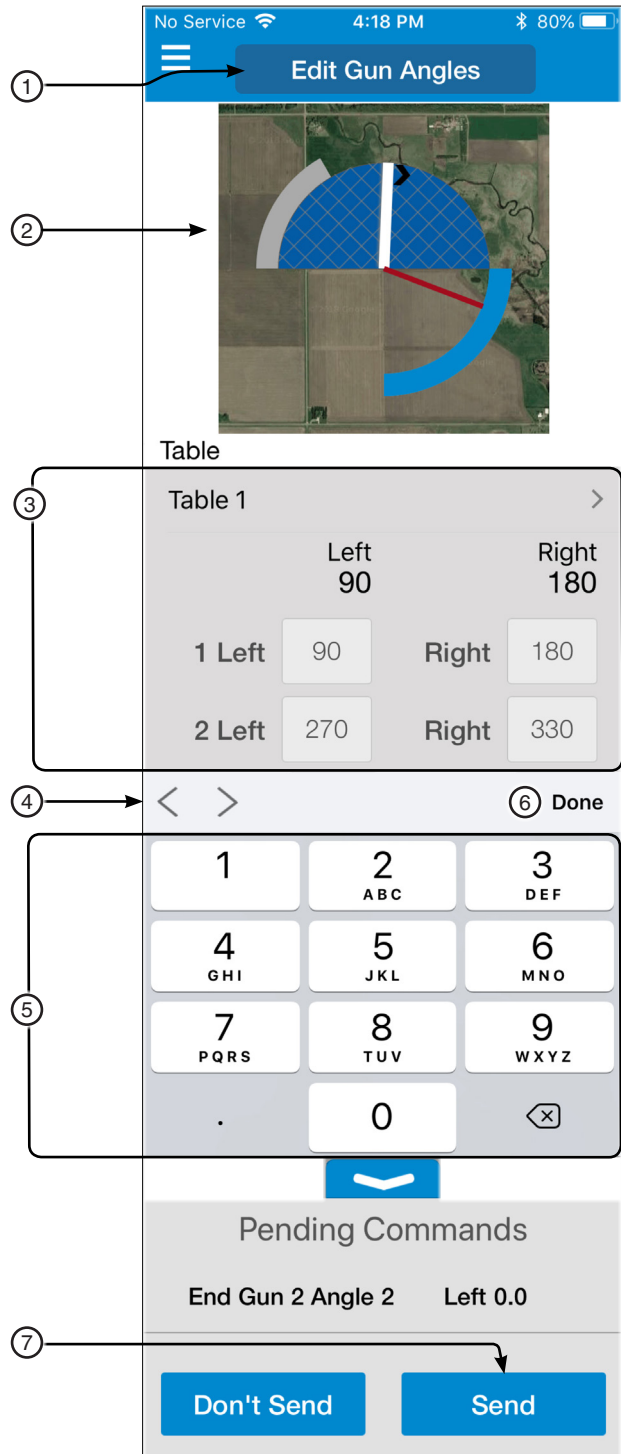


Figure 34-1 1. Edit Gun Angles 5. Number Keypad
 2. End Gun graphic 6. Done
 3. Selection options 7. Send
 4. Left/Right Angles

Pivot > Utilities > Options > Restricted Entry

Restricted Entry is an option that can be enabled with an annual subscription. Restricted entry options allow control for:

- Scheduling or running a Restricted Entry event
- Start Time/Date
- Application Method
- Chemical
- RE (Restricted Entry) Interval
- Application Hours

Tap **Schedule** or **Run Now** to set the scheduling options.

Next, tap **Application Method** list to view and select the application method.

Tap **Select** from the **Chemical** list to view and select a chemical.

The **Active Ingredient** and **Registration Number** displays information related to the chemical selected.

The **RE (Restricted Entry) Interval** time.

Tapping **Application Hours** opens a numeric keypad. Tap the desired application hours, then tap **Save**.

When a Restricted Entry event is in progress, the timer at the top of the screen displays a countdown timer.

To cancel a Restricted Entry event, tap the **Cancel** button See Figure 35-1.

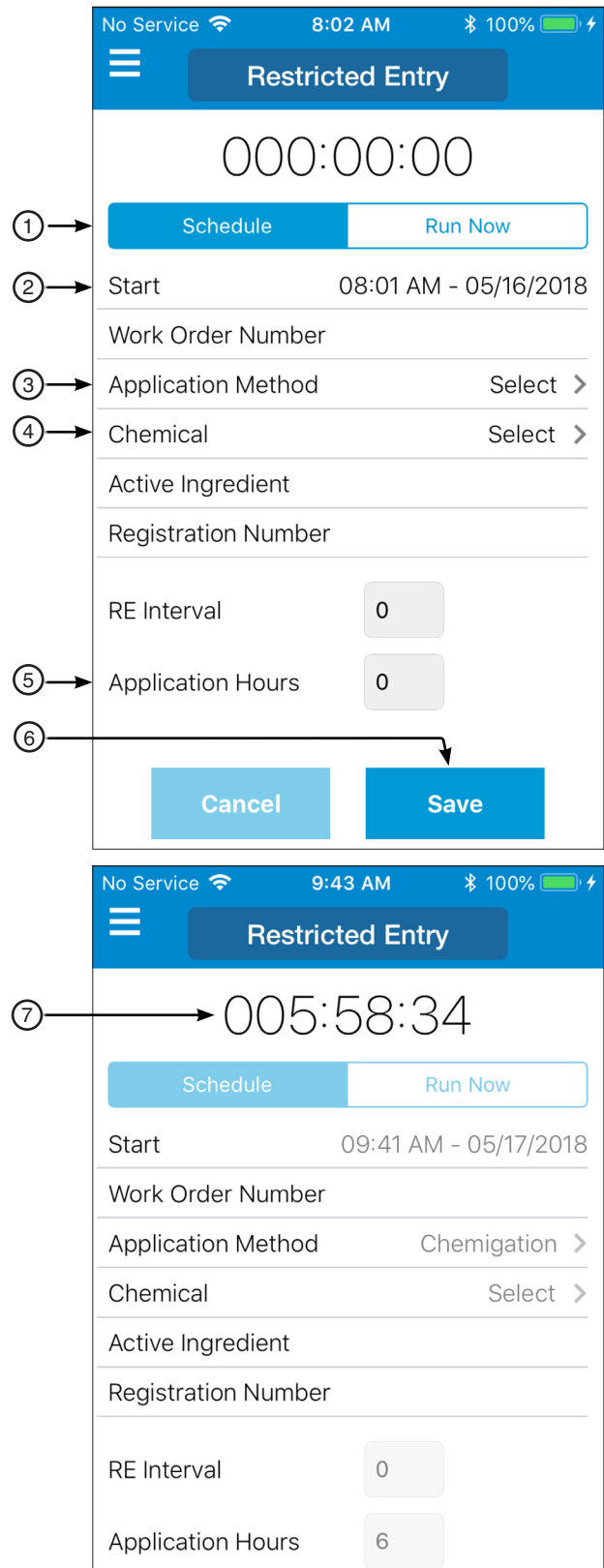


Figure 35-1 1. Schedule/Run Now 5. Application Hours
 2. Start Date/Time 6. Save
 3. Application Method 7. Countdown Timer
 4. Chemical

Device Management

Linear

In addition to common device functions, linear tab options include:

- Device
- Programs
- Utilities
- Notes (refer to page 22 for details)

Linear > Device

The Linear Device tab includes common device functions available to monitor and control the device. See page 20. Swipe and tap to navigate and view/change linear operation. In addition to common device functions and operation, the following controls are specific to the linear device:

Device Status (1): The Linear device status includes a representative graphic icon and status details.

Device Controls (2): Slide switches, buttons and text fields allow changes to the operation of the linear.

When a change is made, the Pending Commands list dialog box displays. To confirm changes, tap the **Send** button.

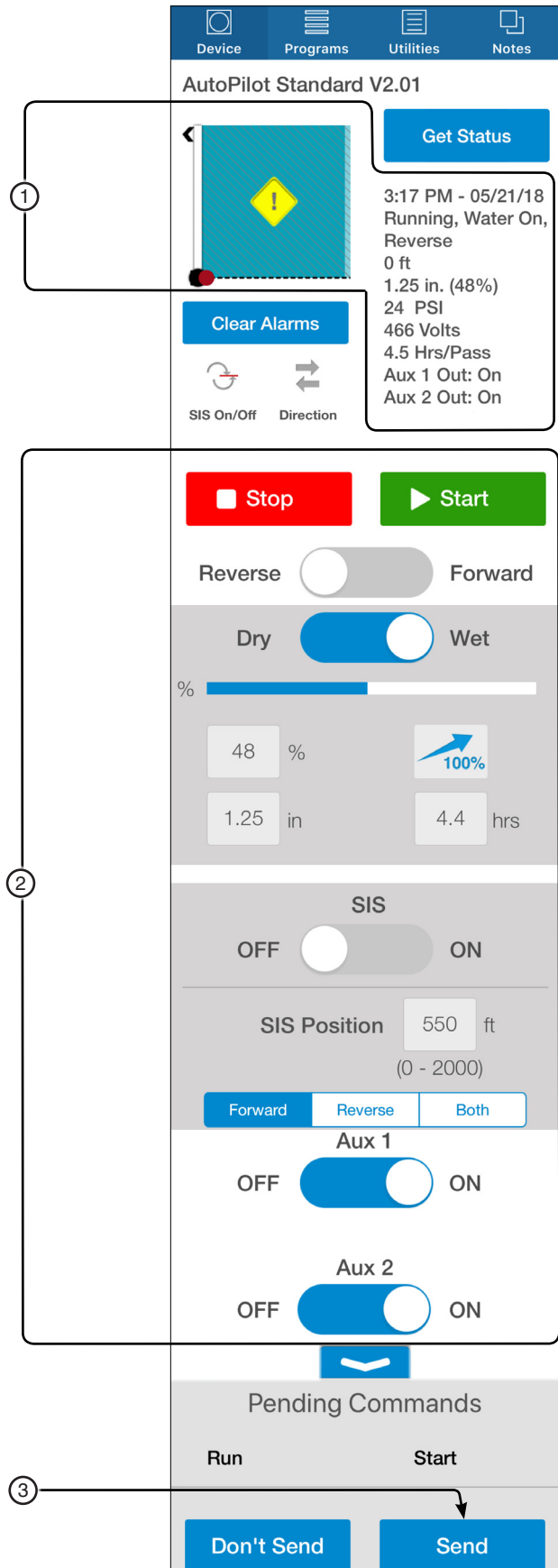


Figure 36-2 1. Device Status 2. Device Controls

Linear > Programs

The Programs tab for the linear may include some or all of the following:

- BASESTATION application programs
 - Destination ETA
- CONTROL PANEL local programs
 - VRI Prescriptions

Tap the arrow > to view or modify the desired prescription option. See Figure 37-1.

NOTE

- To view VRI Prescriptions in the BaseStation3 App, the firmware setting in the device configuration Identification tab in BaseStation3 (server) must be set to “2.01” and the Power Line Carrier Channel on the Communications tab must be set to “On.”

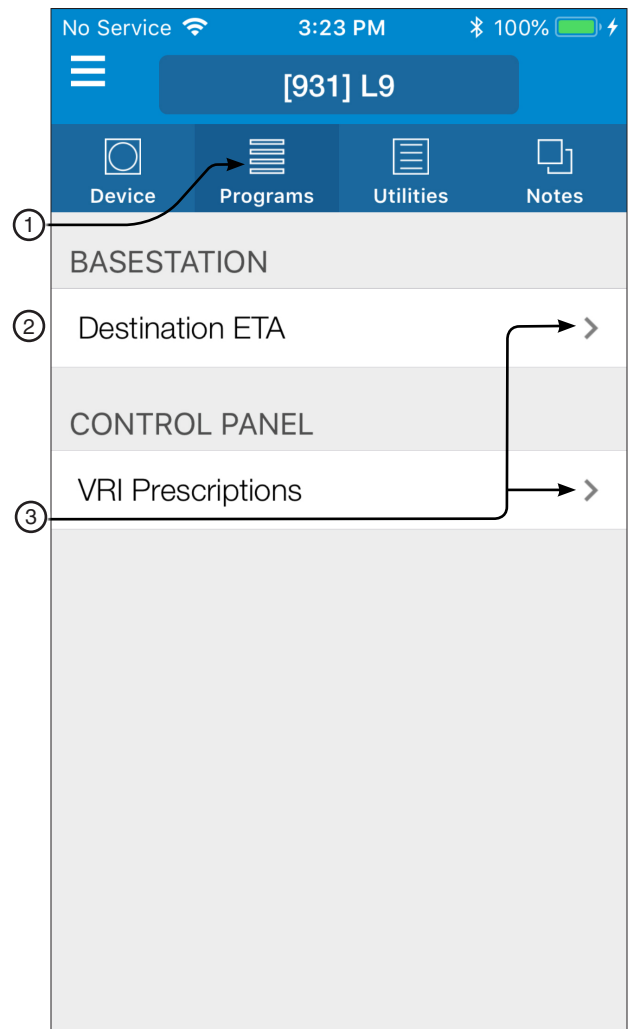


Figure 37-1 1. Programs
2. Destination ETA
3. VRI Prescriptions

Device Management

Linear > Programs > Destination ETA

The Destination ETA is the running duration calculation of the current run to a marked destination. See Figure 38-1.

Tap the slider and select **Disable/Enable**. The Destination ETA is automatically disabled and cannot be enabled when:

- VRI is running
- Percent Timer is set to 0
- Machine is stopped

Tap the desired option to view or modify it.

Tap **Save**.

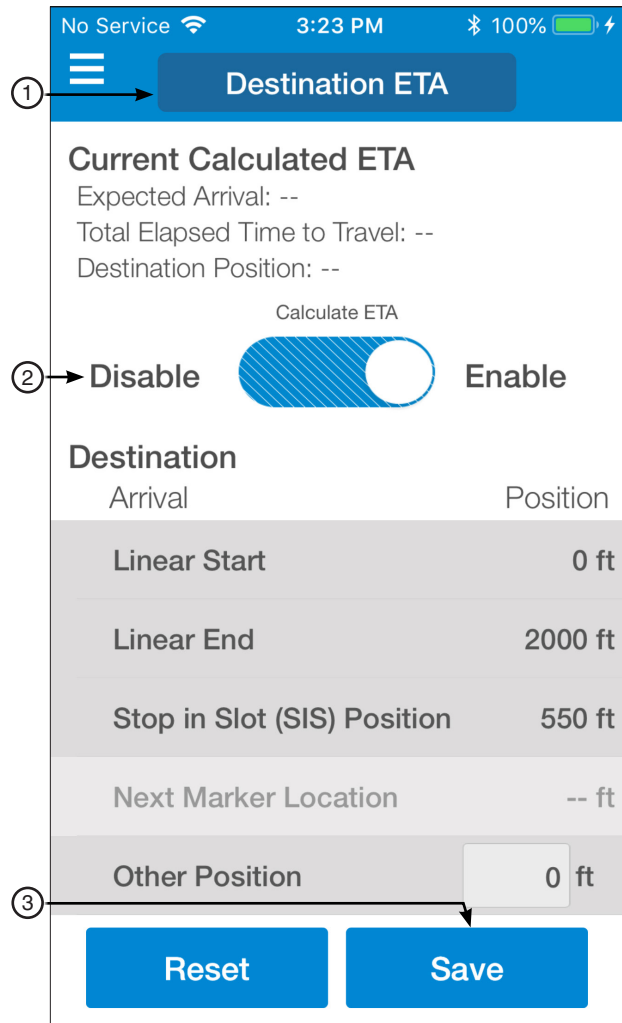


Figure 38-1 1. Destination ETA
2. Disable/Enable
3. Save

Linear > Programs > VRI Prescriptions

VRI Prescriptions control the application depth of water for specific sections or water management zones in the field.

To view the VRI Prescription, tap **Get VRI**.

Tap the Prescription VRI Off/On slider to turn it on or off. See Figure 39-1.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

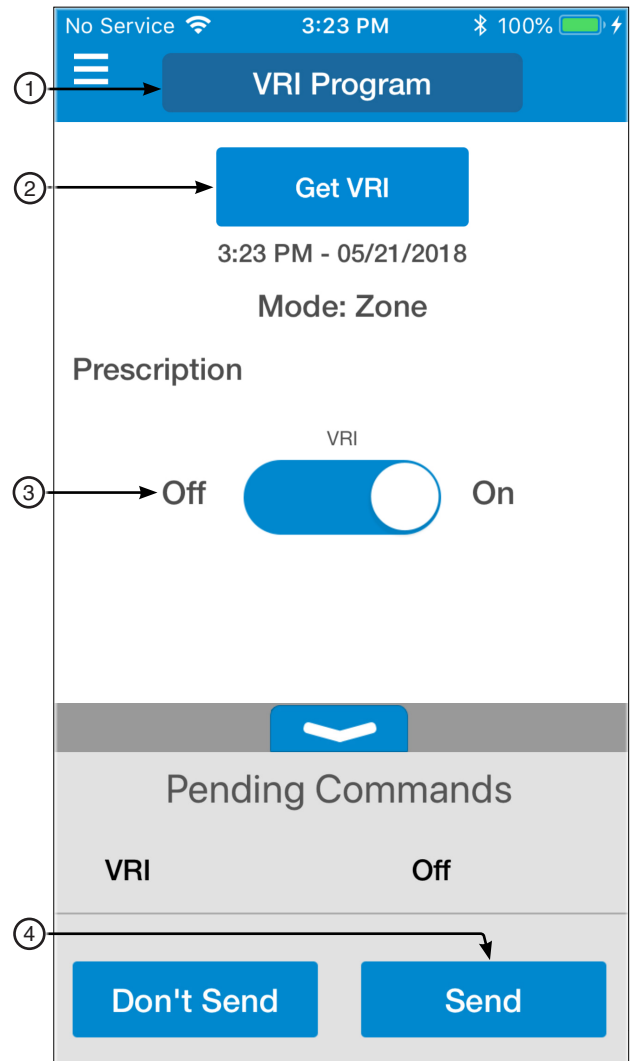


Figure 39-1 1. VRI Program 3. VRI Off/On
2. Get VRI 4. Send

Device Management

Linear > Utilities > Options

After selecting a linear device from the Device List, tapping **Utilities** shows available options including:

- Auto Restart
- ARAS
- End Guns
- Restricted Entry

Tap the arrow > to view or modify the selected option. See Figure 40-1.

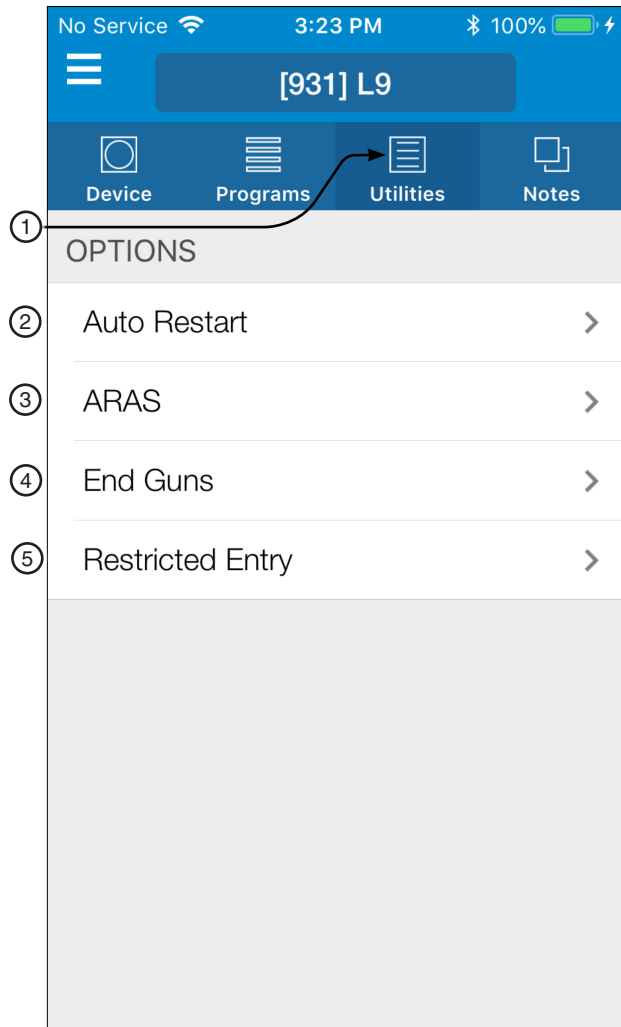


Figure 40-1 1. Utilities 4. End Guns
2. Auto Restart 5. Restricted Entry
3. ARAS

Linear > Utilities > Options > Auto Restart

Auto Restart includes the following controls:

- Get Settings
- Auto Restart Disable/Enable

Tap the desired option to get settings, disable or enable auto restart. When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

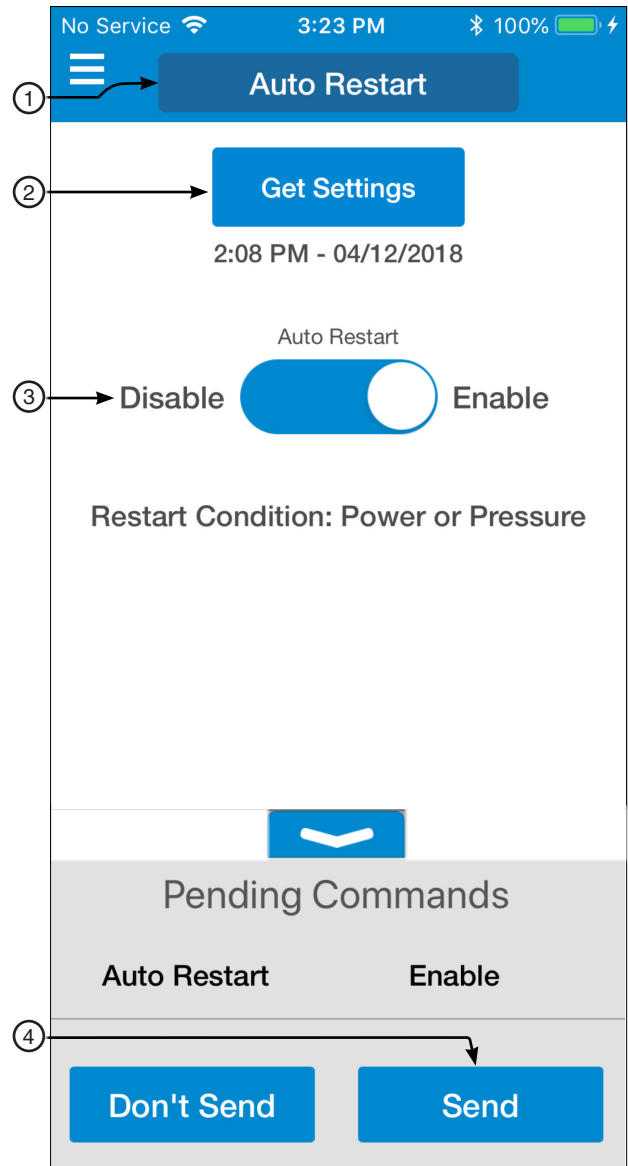


Figure 41-1 1. Auto Restart 2. Get Settings 3. Disable/Enable 4. Send

Device Management

Linear > Utilities > Options > ARAS (Auto Reverse Auto Stop)

Auto Reverse/Auto Stop controls include:

- Get Settings
- ARAS Disable/Enable
- Mode
 - » Auto Reverse
 - » Auto Stop

A check mark indicates the selected mode. See Figure 42-1.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

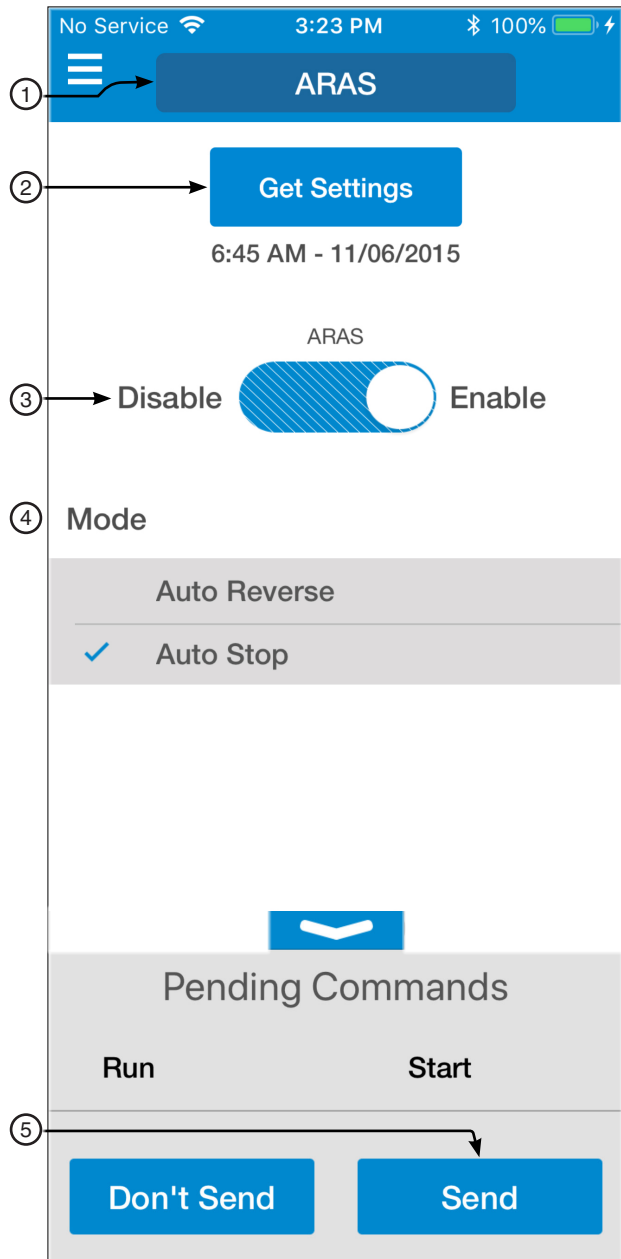


Figure 42-1 1. ARAS 2. Get Settings 3. ARAS Disable/Enable 4. Mode 5. Send

Device Management

Linear > Utilities > Options > End Guns

End Guns options allow for changes to the linear End Gun settings including:

- End Gun selection
- Get Positions
- End Gun graphic
- End Gun shown
- Position key
- Edit End Guns

Tap the desired end gun. The graphic shows the End gun settings for each end gun. The selected End Gun button is blue.

To edit the End Gun position, tap the desired end gun and then tap **Edit End Guns**. Continue on the next page. See Figure 43-1.

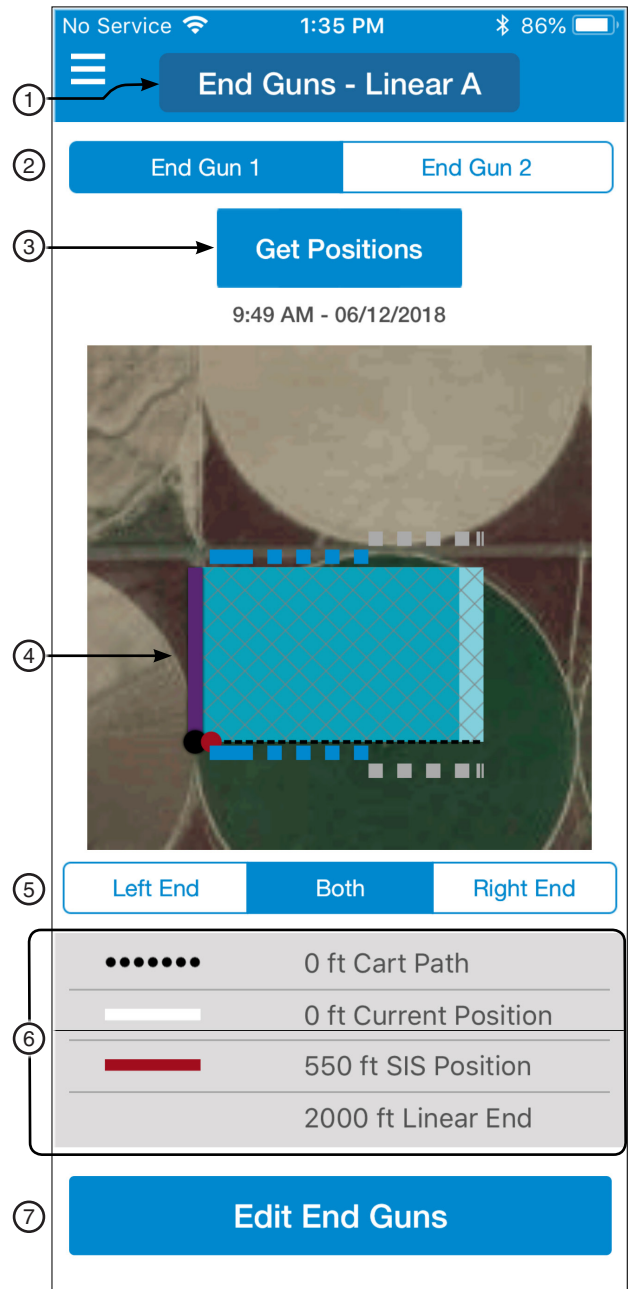


Figure 43-1

1. End Guns	5. End Gun shown
2. End Gun Selection	6. Position key
3. Get Positions	7. Edit End Guns
4. Linear graphic	

Device Management

Linear > Utilities > Options > Edit End Guns

To edit the End Gun position, select the desired end gun and tap Edit End Guns. See page 43, Figure 43-1. Determine the sequence number and tap the desired number (1 through 6) to change.

Enter **Start** and **End** distances using the keypad. Enter additional distances in other sequences if needed.

Tap **Done** when finished.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button. Figure 44-1.

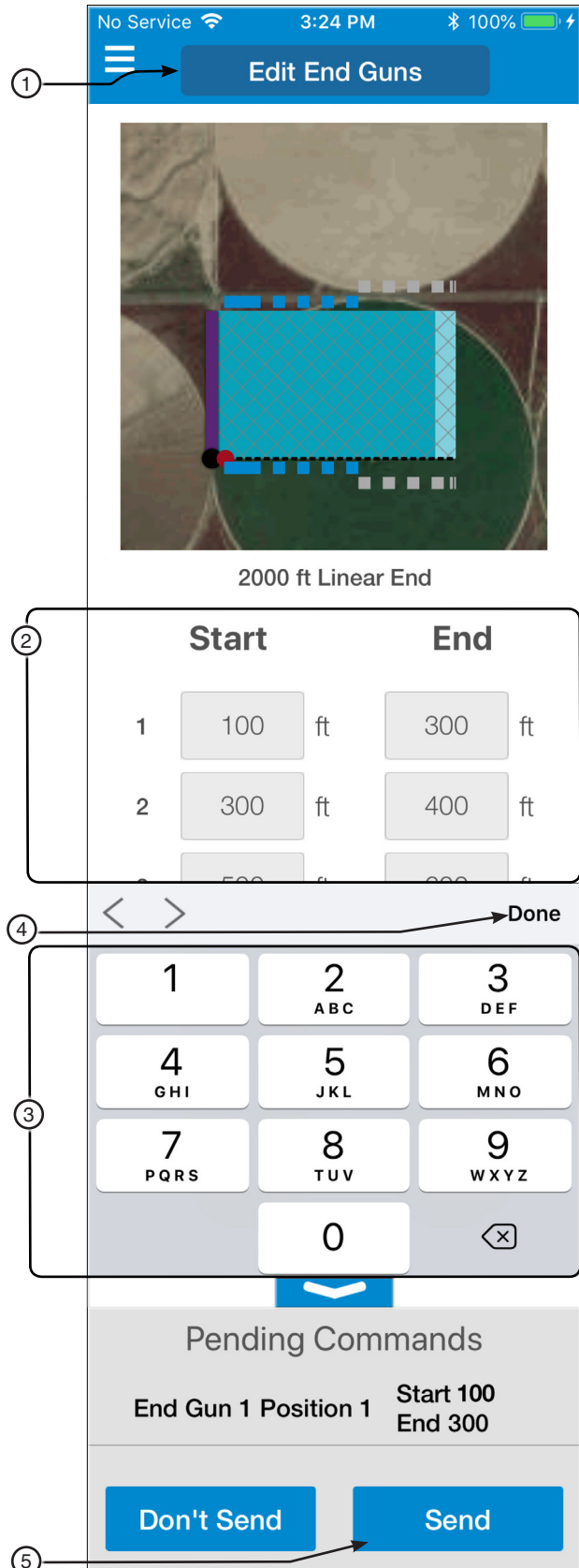


Figure 44-1

1. End Gun Selection
2. Start / End
3. Keypad
4. Done
5. Send

Device Management

Linear > Utilities > Options > Restricted Entry

Restricted Entry is an option that can be enabled with an annual subscription. Restricted entry options allow control for:

- Scheduling or running a Restricted Entry event
- Start Time/Date
- Application Method
- Chemical
- RE (Restricted Entry) Interval
- Application Hours

Tap **Schedule** or **Run Now** to set the scheduling options.

Next, tap **Application Method** list to view and select an application method.

Tap **Select** from the **Chemical** list to view and select a chemical.

The **Active Ingredient** and **Registration Number** displays information related to the chemical selected.

The **RE (Restricted Entry) Interval** displays in hours.

Tapping **Application Hours** opens a numeric keypad. Tap the desired application hours, then tap **Save**.

When a Restricted Entry event is in progress, the timer at the top of the screen displays a countdown timer.

To cancel a Restricted Entry event, tap the **Cancel** button. See Figure 34-1.

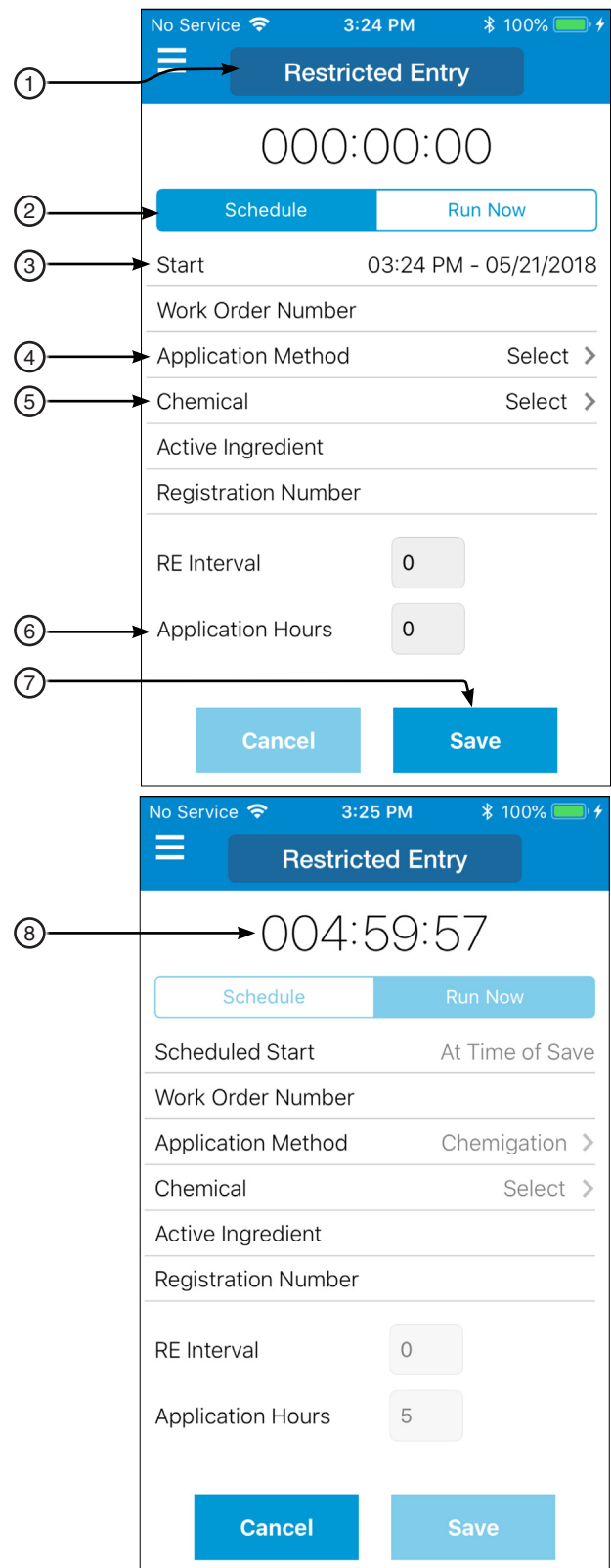


Figure 45-2 1. Restricted Entry 5. Chemical
2. Schedule/Run Now 6. Application Hours
3. Start 7. Cancel/Save
4. Application Method 8. Countdown Timer

Monitor and Control

Auxiliary Link

The Auxiliary Link Device tab includes common device functions available to monitor and control the device. Swipe and tap to navigate and view/change Auxiliary Link device operation. See Figure 46-1. The following controls are specific to an Auxiliary Link device:

Device Status (1): The Auxiliary device status includes the graphic icon and status details.

Sensors (2): Sensors are analog devices that are voltage or current output.

Counters (3): Counters includes counter devices set up on the Auxiliary Link.

Inputs (4): Displays all the input devices setup on the Auxiliary Link.

Outputs (5): Displays all the output devices setup on the Auxiliary Link.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

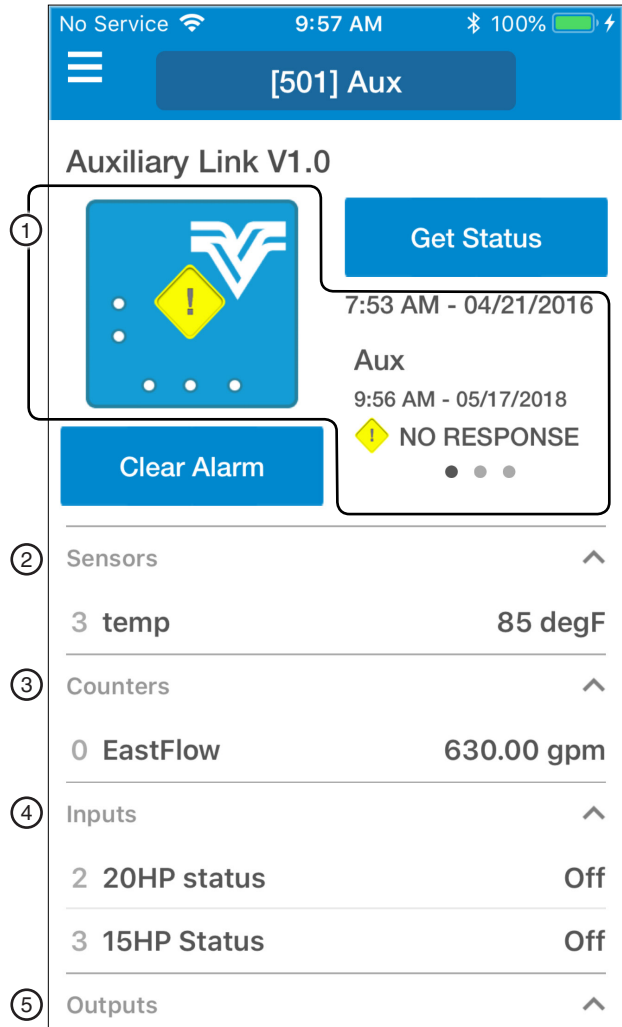


Figure 46-1 1. Aux Device Status 4. Inputs
2. Sensors 5. Outputs
3. Counters

Pump Control

In addition to common device functions, pump control tab options include:

- Device
- Notes (see page 36)

Pump Control > Torrent Pump > Device

The Torrent Pump Control Device tab includes common functions available to monitor the pump. See page 36. Swipe and tap to navigate and view Torrent Pump operation. In addition to the common device functions and operation, the following views are specific to the Torrent Pump device:

Operation State (1): The Torrent Pump device status screen includes graphic icons for the device and status details. Graphic icons for each pump are also displayed.

Discharge Set Point (2): The pressure set point that the pump is intended to maintain as its output pressure.

Pumps (3): A list of pump(s) that are enabled for monitoring.

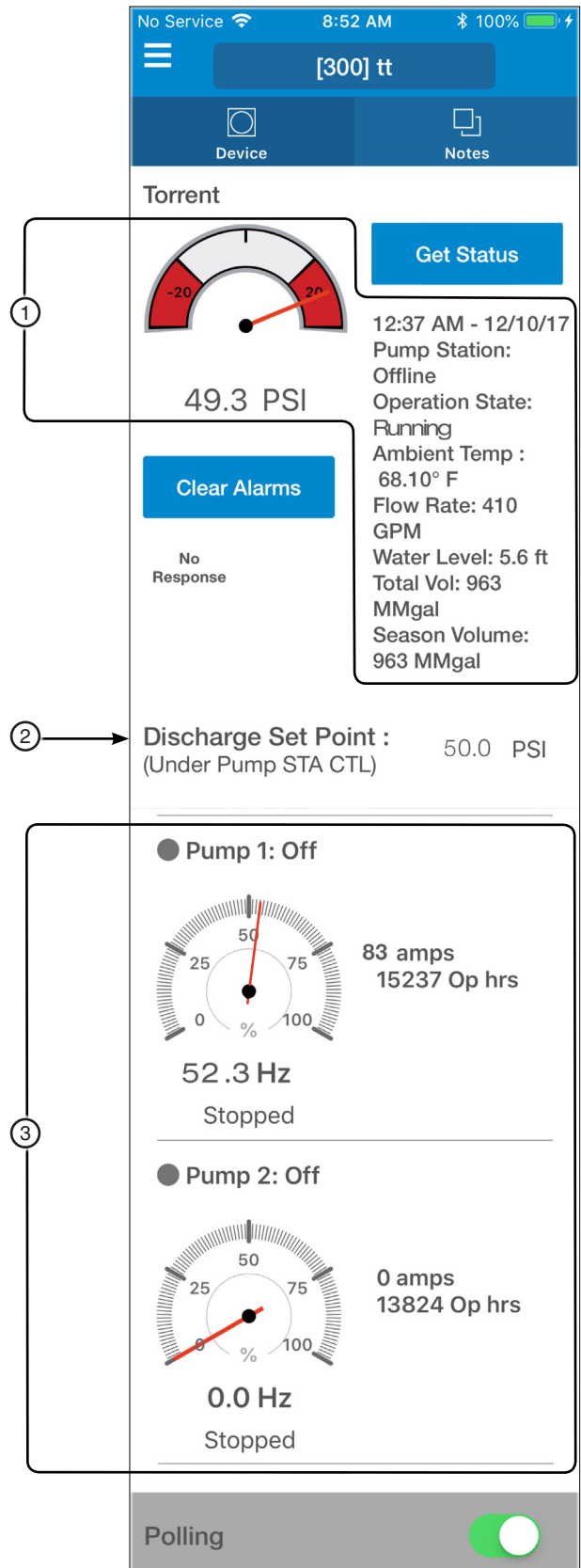


Figure 47-1 1. Device Status
2. Discharge Set Point
3. Pump graphics

Monitor and Control

Pump Control > Yasakawa iQpump 1000 > Device

The Yasakawa iQpump 1000 Device tab includes common functions available to monitor and control the pump. See page 36. Swipe and tap to navigate and view Yasakawa iQpump 1000 operation. In addition to the common device functions and operation, the following views and controls are specific to the Yasakawa iQpump 1000 device:

Operation State (1): The Device status screen includes graphic icons for the device and status details. Graphic icons for each pump are also displayed.

Pump Station Mode (2): Pump Switch position Local/Remote.

Mode (3): The panel operation mode, Hand, Off or Auto. This setting determines the control operation function.

Pressure Set Point (4): The pressure set point that the pump is intended to maintain as its output pressure.

Pumps (5): A list of pumps enabled for monitoring.

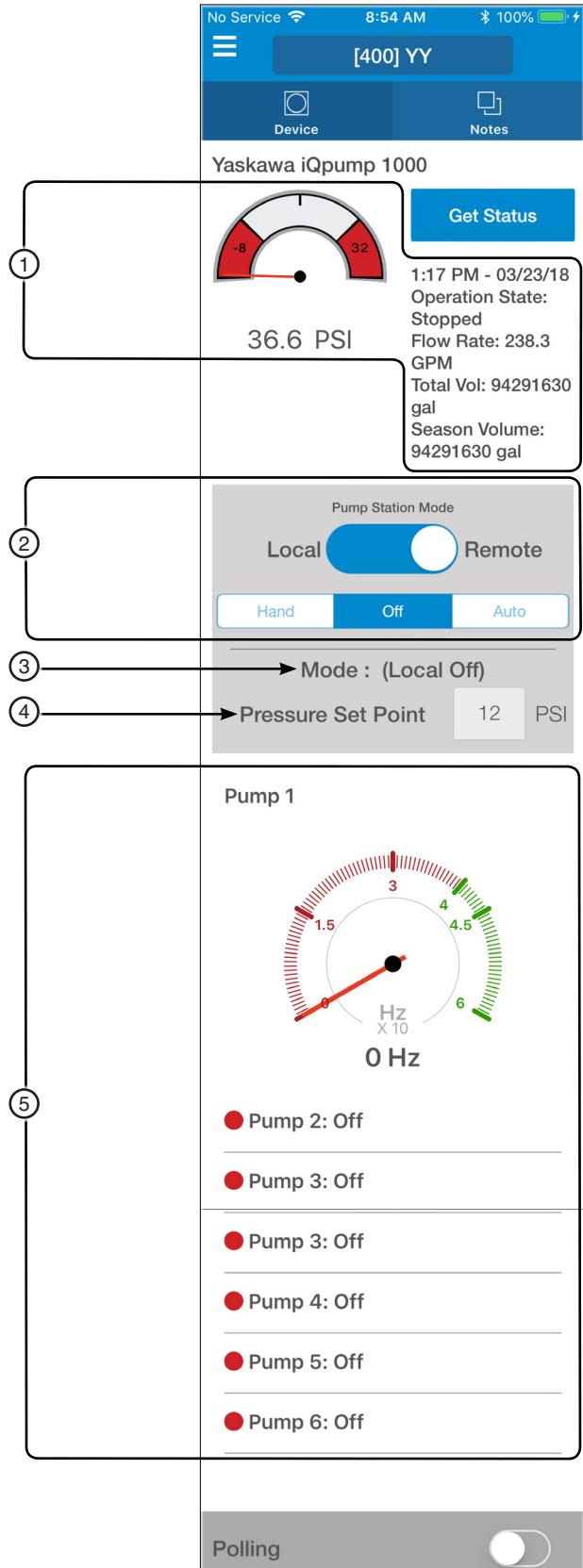


Figure 48-1 1. Operation State 4. Pressure Set Point
 2. Pump Station Mode 5. Pump
 3. Mode

Monitor and Control

Pump Control > VACON 100 Flow Device

The following controls are available for the VACON 100 Flow pump control.

Operation State (1): The Device status screen includes graphic icons for the device and status details. Graphic icons for each pump are also displayed. See Figure 49-1.

Pump Station Mode (2): Pump Switch position Local/Remote or On/Off.

Drive: Ready (3): Panel operation mode options. This setting determines the control operation function.

Pressure Set Point (4): The pressure set point that the pump is intended to maintain as its output pressure.

Pump (5): Pump graphic.

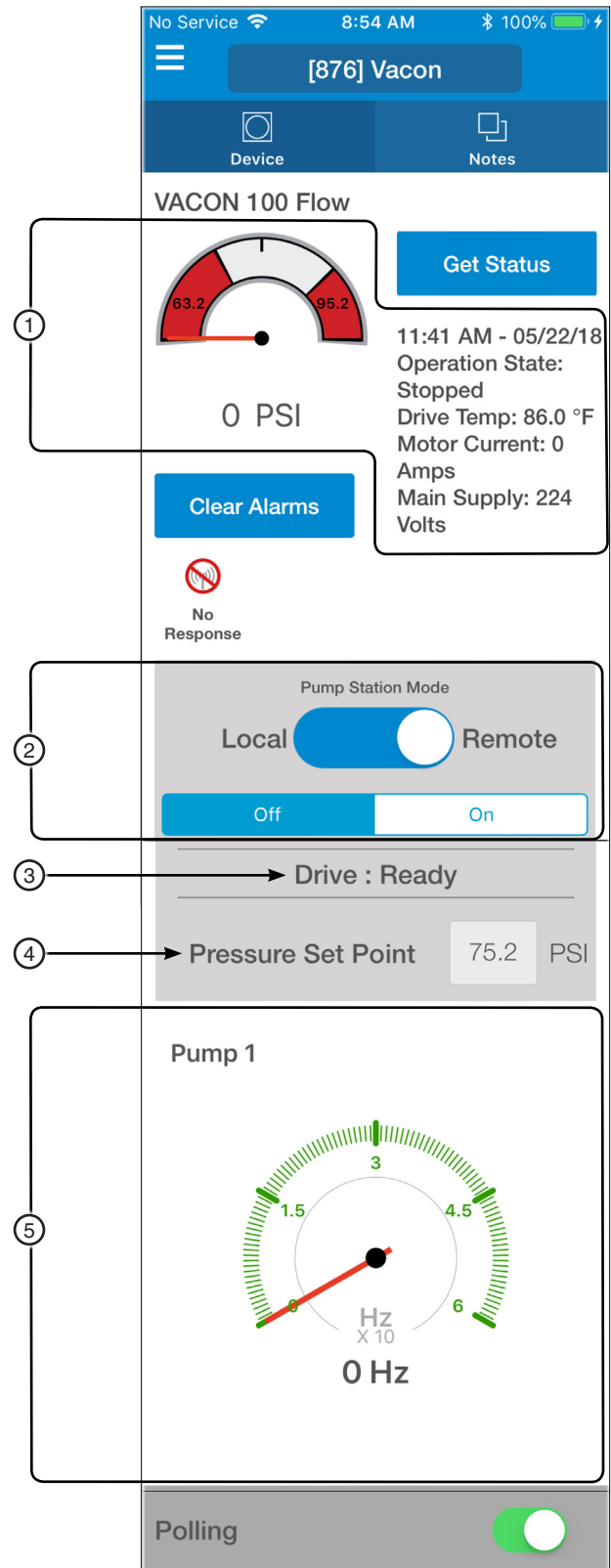


Figure 49-1 1. Operation State 4. Pressure Set Point
2. Pump Station Mode 5. Pump graphic
3. Drive: Ready

Monitor and Control

Engine Control

In addition to common device functions, engine control tab options include:

- Device
- Notes (see page 22)

Engine Control > Device

The Engine Control Device tab includes common functions available to view the status or control the engine. See page 20 Swipe and tap to navigate to the desired Engine Control operation. In addition to common device functions and operation, the following controls are specific to an Engine Control device:

Device Status (1): The Engine Control device status includes the graphic icon and status details.

Device Controls (2): Slide switches and buttons allow changes to the Engine Control.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

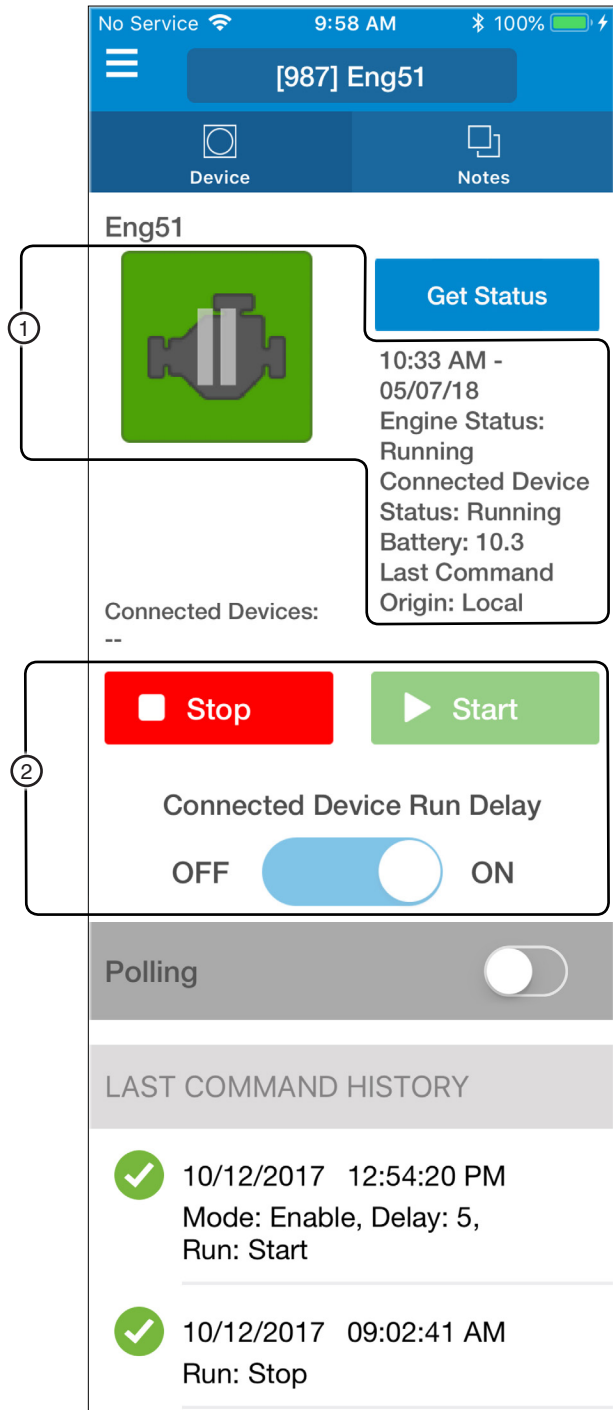


Figure 50-1 1. Operation Status
2. Device Controls

Monitor and Control

Aqua Trac

To view an Aqua Trac device, select from the Device List. The Aqua Trac device details includes:

Device Status (1): The current status of the device and a color bar graphic scale indicating soil moisture.

Sensor details (2): Name, Depth, Soil Moisture and Soil Temperature.

Unit Info (3): Unit type, version and serial number.

AgSense (4): Link to AgSense site.

The screenshot shows the Aqua Trac mobile application interface. At the top, the status bar displays 'No Service', '10:55 AM', and '100%' battery. The app title is '[41938] Aqua Trac'. Below the title, there is a 'Get Status' button. The main content area is divided into several sections:

- Device Status (1):** A section containing 'Last Reading: 2:23 PM - 03/05/2015', 'Last SM Reading: --', 'Power: ON', 'Battery: 4.24 V', 'Signal Strength: 14', 'Rain 12hr: 0.00 in', 'Rain 24hr: 0.00 in', 'Rain YTD: 0.00 in', and 'Temp: --'. Below this is a color bar graphic scale for soil moisture, with 'Refill: 90.0 cb' and 'Full: 10.0 cb' labels. The current reading is 'Avg: 66.7 cb'.
- Sensor details (2):** A table with columns 'Sensor Name', 'Sensor Depth', and 'Soil Moisture'.

Sensor Name	Sensor Depth	Soil Moisture
WM1	6 in	1.00 cb
WM1	6 in	1.00 cb
WM2	12 in	93.00 cb
WM3	24 in	81.00 cb
WM4	36 in	72.00 cb
- Unit Info (3):** A section titled 'UNIT INFO' with fields for 'Unit Type' (AquaTrac Pro), 'Version' (38), and 'Serial Number' (41938).
- AgSense (4):** A section featuring the AgSense logo and a 'Polling' toggle switch.

Figure 51-1 1. Last Reading details
2. Sensor Name, Sensor Depth, Soil Moisture
3. Unit Info
4. AgSense link

Monitor and Control

AgSense

In addition to common device functions, AgSense tab options include:

- Device
- Utilities

AgSense > Device

The AgSense Device tab includes common device functions available to monitor and control the device. See page 36. There are different monitoring and control screens based on the available features of the control panel.

The Commander VP is shown throughout this section. ICON Link and Field Commander options are also available on the device. See Figure 52-1.

Swipe and tap to navigate and view/change AgSense operation. In addition to the common device functions and operation, the following controls are specific to the AgSense device:

Device Status (1): The AgSense device status includes the graphic icon and status details.

Device Controls (2): Slide switches, buttons and text fields allow changes to the operation of the AgSense device.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

AgSense link (3): The AgSense logo provides a link to the AgSense platform.

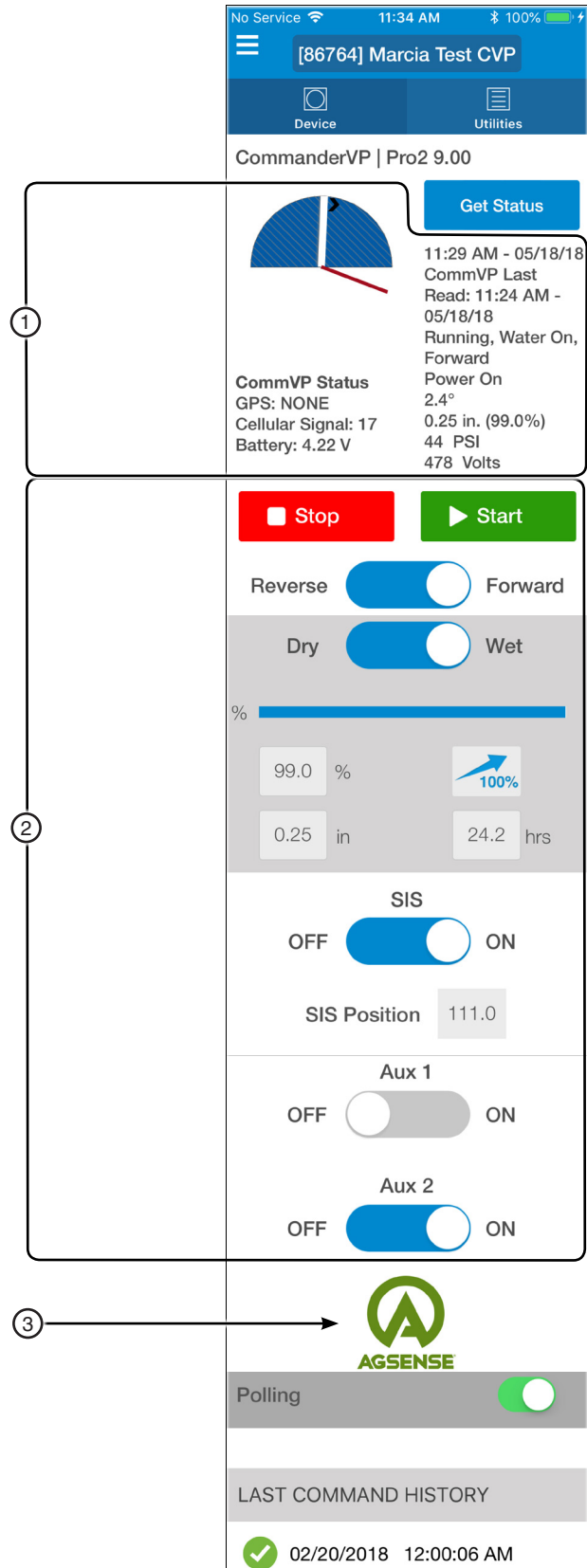


Figure 52-1 1. Device Status
2. Device Controls
3. AgSense Link

AgSense > Utilities

After selecting an AgSense device from the Device List. See Figure 53-1. Tapping Utilities shows the Utilities Options including:

- Auto Restart
- ARAS
- End Guns
- Restricted Entry

Tap on the desired option to view or modify it.

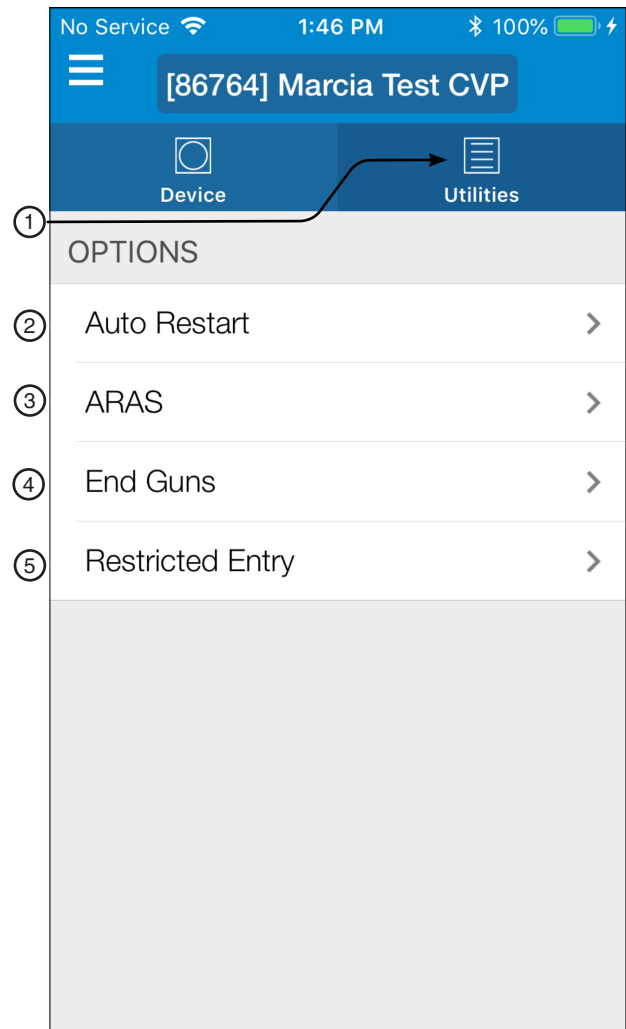


Figure 53-2 1. Utilities
2. Auto Restart
3. ARAS
4. End Guns
5. Restricted Entry

Monitor and Control

AgSense > Utilities > Auto Restart

Auto Restart includes the following controls:

- Get Settings
- Auto Restart Disable/Enable
- Restarting Effects
 - Power and Pressure
 - Power
 - Pressure

A check mark indicates the selected option.

Tap on the desired option to view or modify it. When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

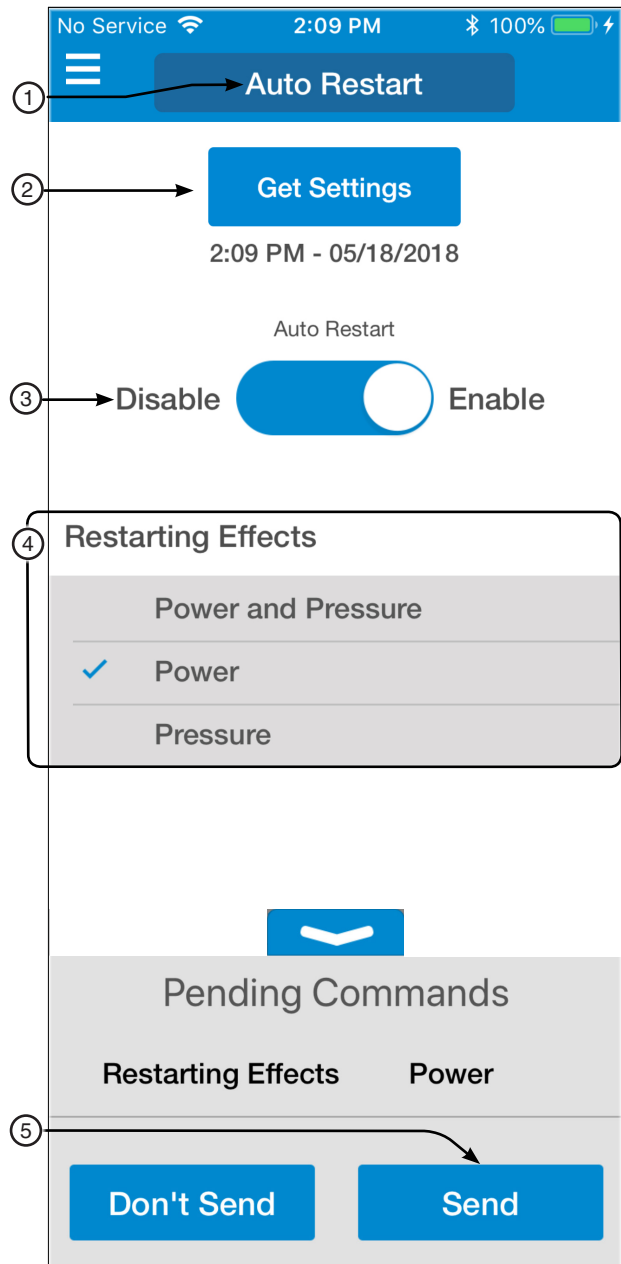


Figure 54-2 1. Auto Restart
2. Get Settings
3. Auto Restart Disable/Enable
4. Restarting Effects
5. Send

Monitor and Control

AgSense > Utilities > ARAS (Auto Reverse Auto Stop)

ARAS options include selecting a device from the Device List. See Figure 55-1. Auto Restart includes the following controls:

- Get Settings
- ARAS Disable/Enable
- Mode:
 - Auto Reverse
 - Auto Stop
- ARAS Delay Time

A check mark indicates the selected Mode.

The **ARAS Delay Time** can be set between 0 and 5000 seconds. To enter a time, tap the field and enter the desired time using the keypad.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

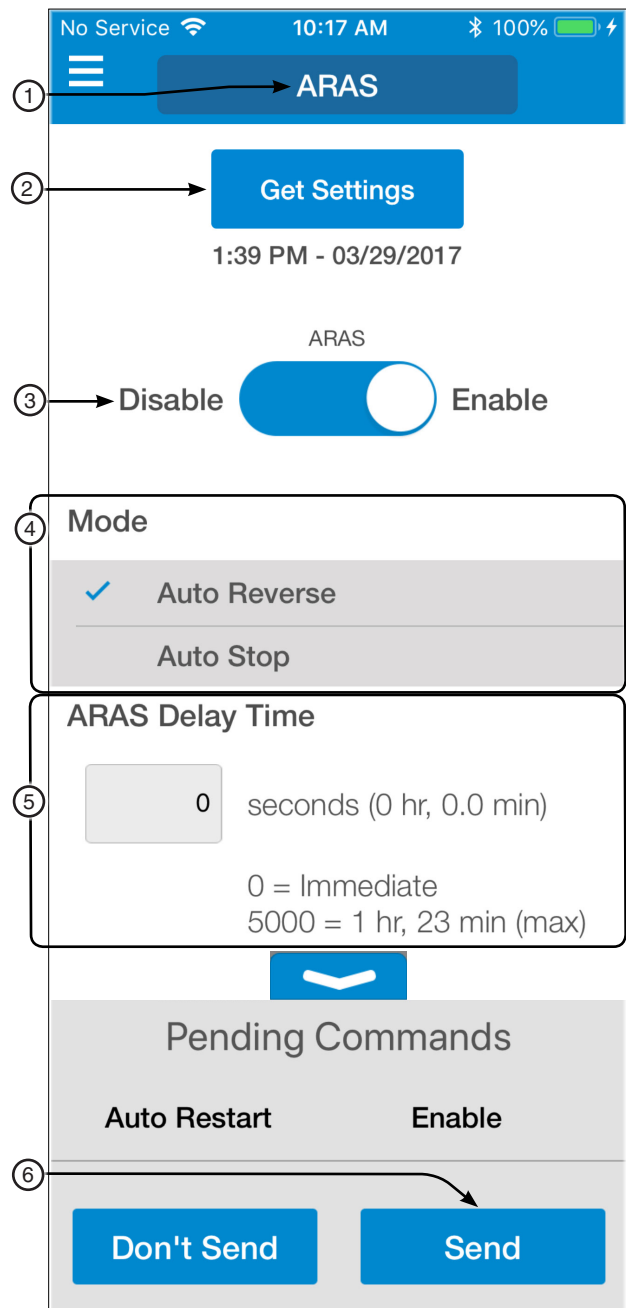


Figure 55-1 1. ARAS
2. Get Settings
3. ARAS Disable/Enable
4. Mode
5. ARAS Delay Time
6. Send

Monitor and Control

AgSense > Utilities > End Guns

End Guns options allow for changes such as:

- End Gun selection
- Get Angles
- End Gun graphic
- End Gun Disable/Enable
- Edit Angles

Tap the desired end gun. The graphic shows the End gun settings for each end gun. See Figure 56-1.

To edit End Gun angles, select the desired end gun and tap Edit Angles and continue on the next page.

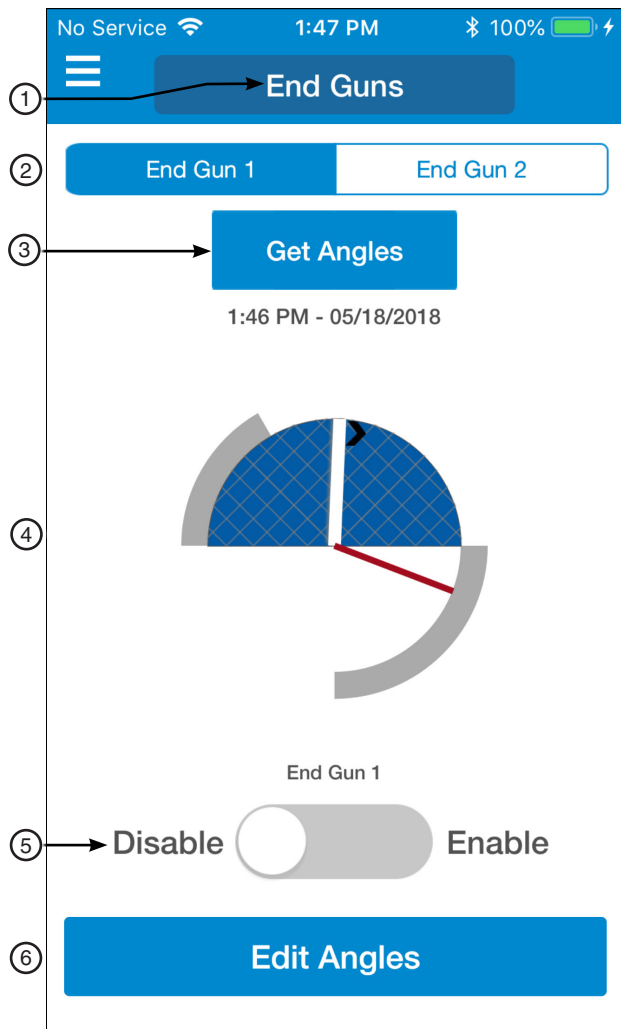


Figure 56-1

1. End Guns
2. End Gun selection
3. Get Angles
4. End Gun Graphic
5. Disable/Enable
6. Edit Angles

Monitor and Control

AgSense > Utilities > End Guns (continued)

To edit end gun angles, tap the desired end gun. The graphic displays the current end gun settings. See Figure 57-1.

Determine which sequence number 1 through 9 to change; then tap Edit Angles. Enter the left and right angles using the keypad. Enter angles in other sequences as required.

When done tap **Done**.

Tap **Save & Send**

Tap **Send** in the **Pending Commands** area.

To change the End Guns Table, tap the right arrow > to view and select the saved End Guns Tables.

To edit the table name, tap the “i” to the right of the table name being changed.

To change to a different table, tap the desired table, swipe to the bottom of the screen and select **Save & Send**, **Save** or **Reset**.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

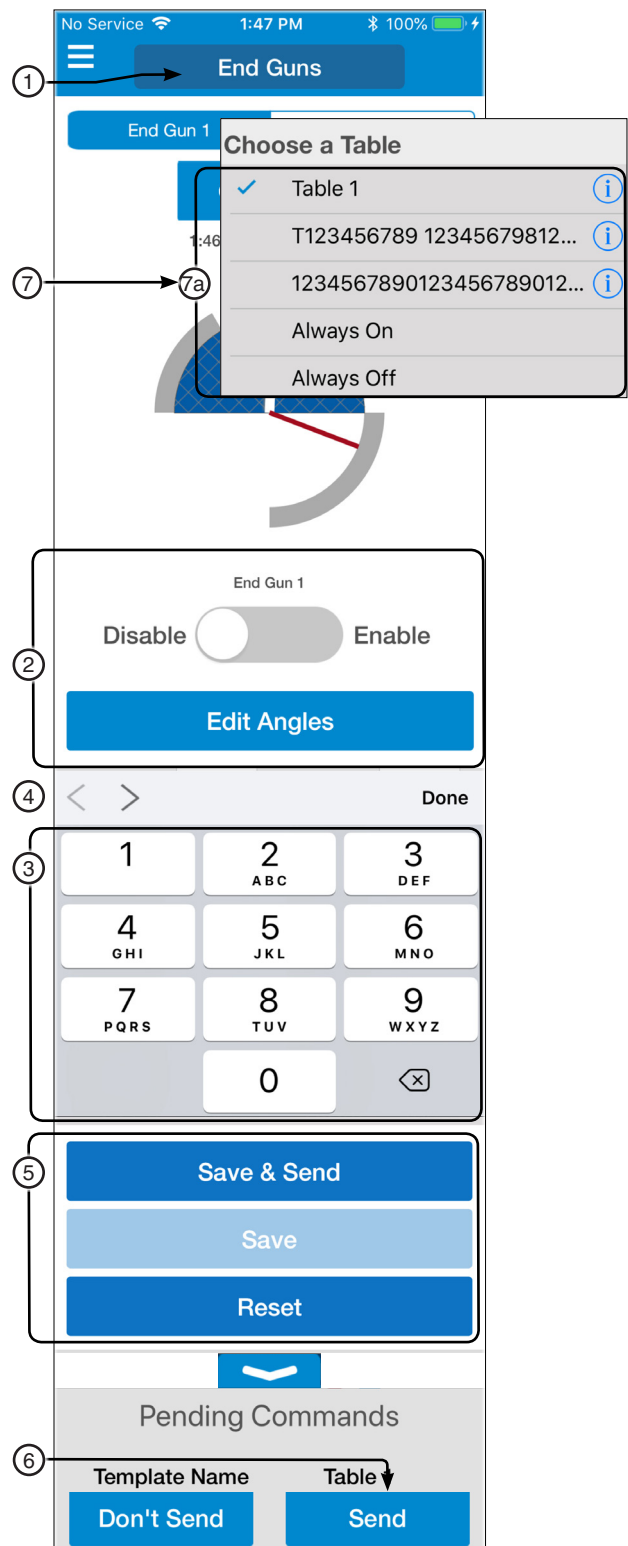


Figure 57-1

1. Edit Gun Angles	5. Save/Reset options
2. End Gun Angles	6. Send
3. End Gun Angle entry keypad	7. End Guns Table
4. Done	7a. End Guns Table list

Monitor and Control

Panel Link

In addition to common device functions, Panel Link tab options include:

- Device
- Utilities
- Notes (see page 36)

Panel Link Pivot Controls > Device

The Panel Link Device tab includes common device functions available to monitor and control the device. See page 36. Swipe and tap to navigate and view/change Panel Link operation. See Figure 58-1. In addition to common device functions and operation, the following controls are specific to the Panel Link:

Device Status (1): A graphic illustrating current status and alarms along with a details about the last reported status of the Panel Link device.

Device Controls (2): Slide switches, buttons or text field allow changes in the operation of the device.

Polling (3): Allows polling to be turned on or off.

When a change is made, the **Pending Commands** list dialog box displays. To confirm changes, tap the **Send** button.

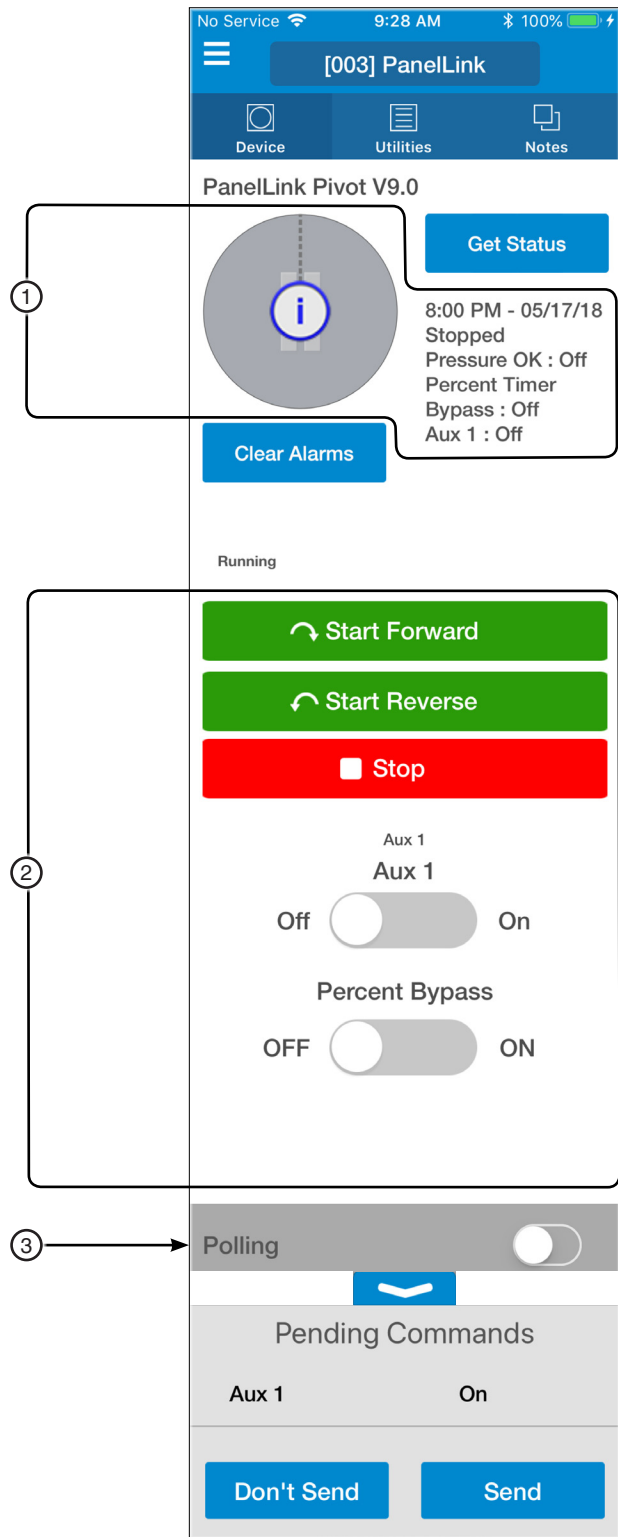


Figure 58-1 1. Panel Link Status
2. Device Controls
3. Polling

Panel Link Pivot Controls > Utilities

The **Utilities** tab shows the Restricted Entry option. Tap **Restricted Entry** to view or modify it. Restricted Entry is an option that can be enabled with an annual subscription. Restricted entry options allow control for:

- Schedule/Run Now
- Application Method
- Chemical
- RE (Restricted Entry) Interval
- Application Hours

Tap the desired options to configure the Restricted Entry event.

To schedule an event, tap the **Time** and **Date** to set the scheduled time.

Next, tap **Select** from the **Application Method** list to view and select from available application methods.

Then tap **Select** from the **Chemical** list to view and select a chemical.

The **Active Ingredient** and **Registration Number** displays information related to the chemical selected.

The **RE (Restricted Entry) Interval** displays the interval in hours.

Tap **Application Hours** to open a numeric keypad. Tap the desired application hours, then tap **Save**. To cancel a Restricted Entry, tap the **Cancel** button. See Figure 59-1.

When a Restricted Entry event is in progress, the timer at the top of the screen displays a countdown timer.

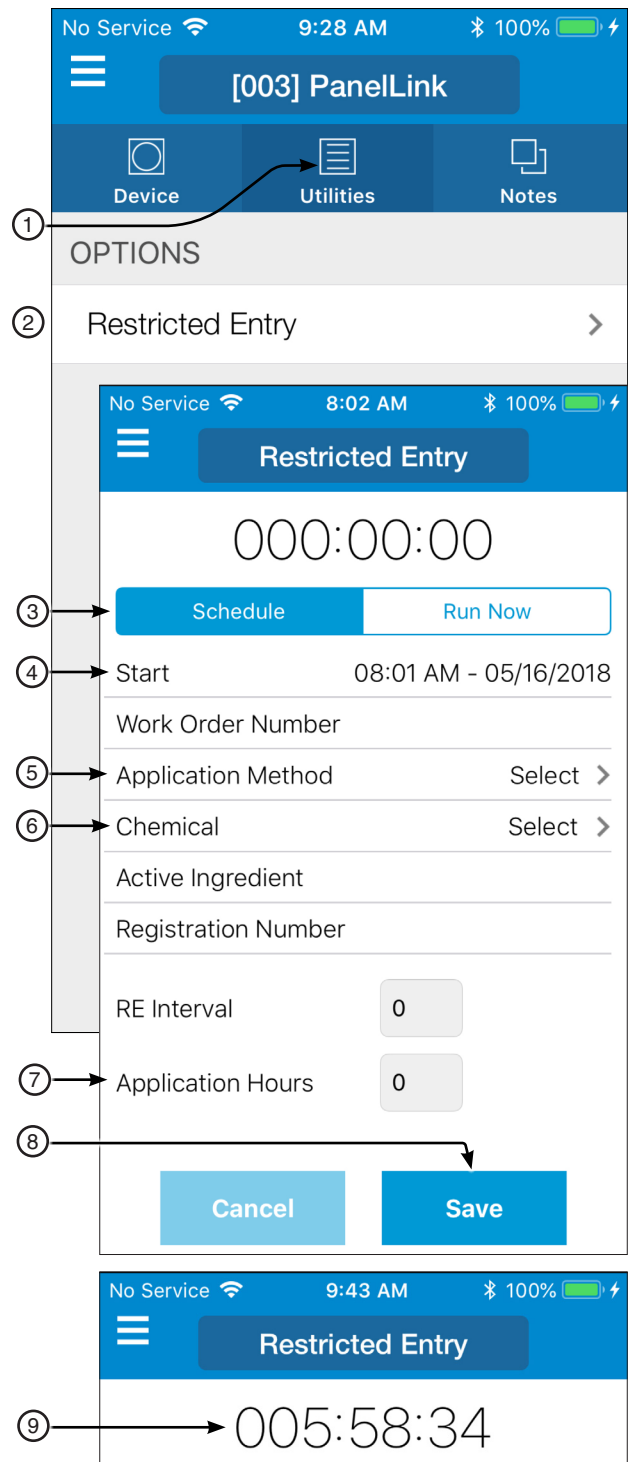


Figure 59-1

1. Utilities	6. Chemical
2. Restricted Entry	7. Application Hours
3. Schedule/Run Now	8. Save
4. Start Date/Time	9. Countdown Timer
5. Application Method	