

# Ontrac Remote Management



Ontrac Satellite Plus  
To Make The Most  
of Your 24 Hours






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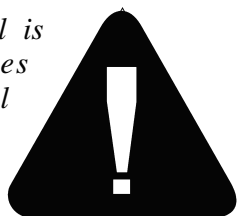
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# 1. System Safety


- ⚠ *When towing a System from field to field, avoid ditches, rough terrain, overhead power lines, etc. The Ground Wire **MUST** be re-attached to the Ground Rod and checked for electrical integrity each time the System is towed.*
- ⚠ *Avoid any bodily contact with high pressure water streams from Sprinklers and End Guns.*
- ⚠ *Keep away from fields where the System is chemigating. Make sure the applied chemical and water does not blow or drift past the area of intended operation. A Check Valve must be installed between the Pivot Center and the Pump to prevent the mixture of water and chemical from siphoning back into the irrigation water source. Comply with all local, state, and federal regulations.*
- ⚠ *Do not oversize Fuses. Fuses are sized for a specific circuit. It is very important to make sure you have the proper fuse size in place before initially starting the System and when replacing Fuses.*
- ⚠ *Do not operate System when temperatures are below 40°F (4.5°C). This can cause structural damage to the System.*
- ⚠ *In most states it is unlawful to spray water on state and county roadways. This is a serious hazard and must not be allowed.*
- ⚠ *If your System is equipped with any Auto-Stop or Auto-Reverse Mechanism, make sure they are working correctly and a Tower Barricade is properly installed as per this manual. **Reinke disclaims any and all liability (including any liability created pursuant to the Irrigation Systems Warranty) with regard to damage to the Irrigation System, or to other property, or personal injury or death, caused by improper installation or maintenance of Reinke-supplied Tower Auto-Reverse or Auto-Stop Switches or Tower Barricades, or by use of customer-supplied Barricades.***
- ⚠ *Driveshafts may start without warning. Keep away from Driveshafts to prevent clothing or limbs from being entangled, resulting in severe injury.*
- ⚠ *Do not endanger your own life and possibly the lives of others by being negligent.*
- ⚠ *Be aware that the system may start automatically, depending on how your system is setup, monitored, and controlled.*


*The Reinke Electrogator II System is designed with many electrical and mechanical safety features. However, each operator must read and understand this and all other accompanying owners manuals for the safe and efficient operation of your Reinke Electrogator II System. If this System is operated incorrectly, it can pose a safety threat to the operator and others. The following is a list of safety operating tips which all service and operating personnel must read and understand.*


 The Safety Alert Symbol is displayed many places throughout this manual and on your System to indicate when there is a potential for Personal injury.





 Throughout this manual and on System Decals, the words “DANGER”, “WARNING”, and “CAUTION” are used with the Safety Alert Symbol to alert the operator of potential hazards. “DANGER” identifies the most serious hazards. “DANGER” or “WARNING” safety signs identify specific hazards. “CAUTION” signs identify specific safety instructions.


 The movement of an Electrically Powered, Gear-Driven, Irrigation System is relatively slow. Moving parts are exposed and may present a potential hazard. Therefore, keep all equipment, vehicles, people, etc., out of the System’s path.


 DO NOT attempt to perform any maintenance procedures until the Main Control Panel Disconnect Switch and all Pump and other Disconnect Switches are locked in the “OFF” position. Electrical component troubleshooting and replacement should be performed by a certified Service Technician to ensure built-in safety features remain intact. This also ensures System remains compliant with the National Electric Code and the Manufacturers Specifications. Replace all Protective Guards and Shields before restoring power to the System.


 Do not allow anyone to ride or climb on the System unless they are qualified and required to do so for maintenance purposes.


 The Tower Steps have been provided for access to the Tower Control Boxes only. They are not intended for access to the Span. For instance, should the Sprinkler Heads require service, use a ladder to reach them from the ground.

 Exercise caution when handling fuel near Systems equipped with Combustion Engine-driven Generators and Pumps.

 If you attempt to repair your System and are uncertain of your methods, contact an authorized Service Person.

 Keep away from the System during thunderstorms or other severe weather conditions. The Center Pivot is grounded and the System is probably the highest object in the field, making it a good lightning receptor.

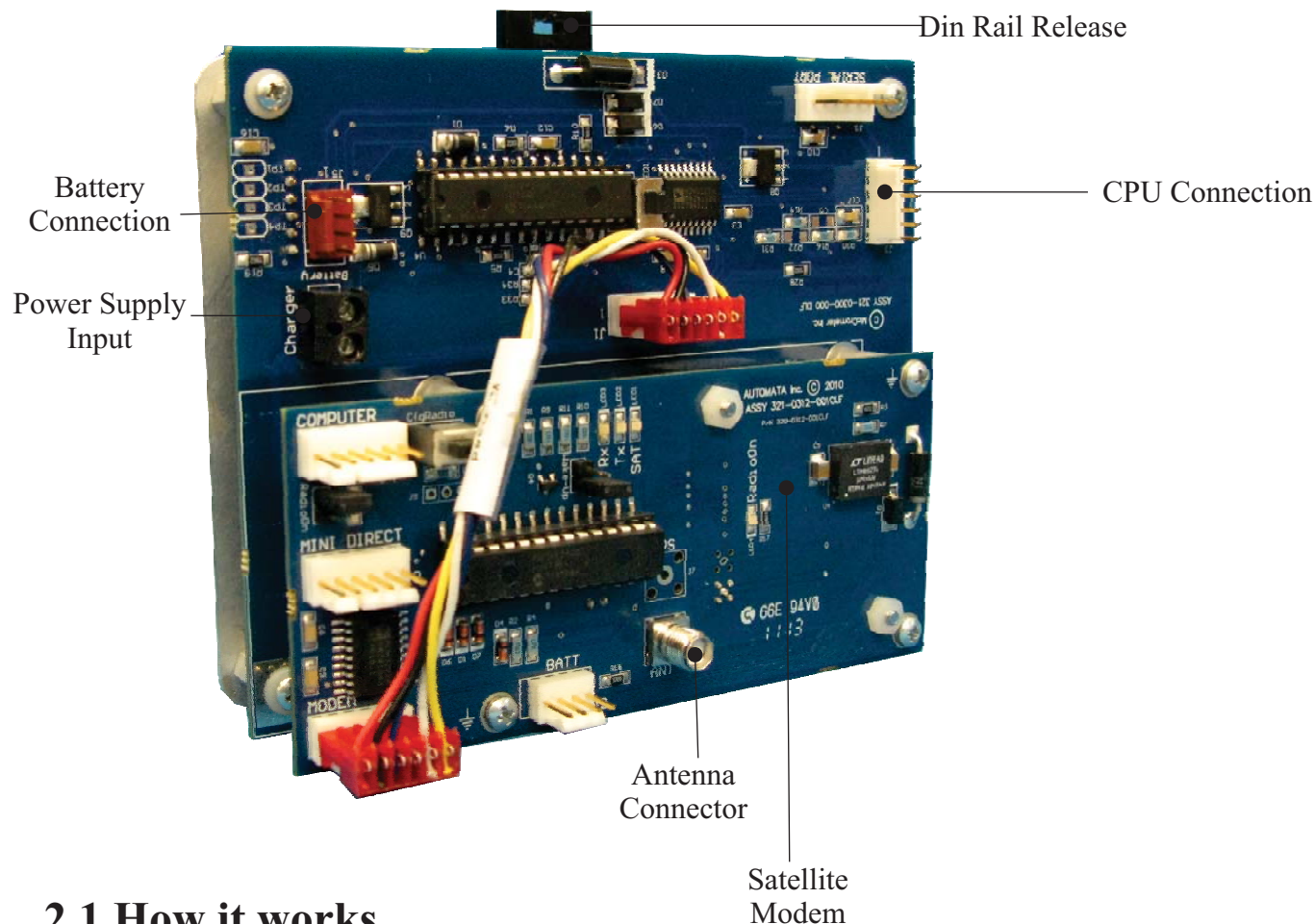
 Be sure Protective Guards are installed on all Belts and Driveshafts of Ancillary Equipment such as Combustion Engines, Electric Motors, Pumps, etc.

 If you suspect a short circuit or the System is not working correctly, do not touch the System and keep others away from it. Call your Service Technician. Electrical component troubleshooting and replacement should be performed by a certified Service Technician to ensure built-in safety features remain intact. This also ensures System remains compliant with the National Electric Code and the Manufacturers Specifications.

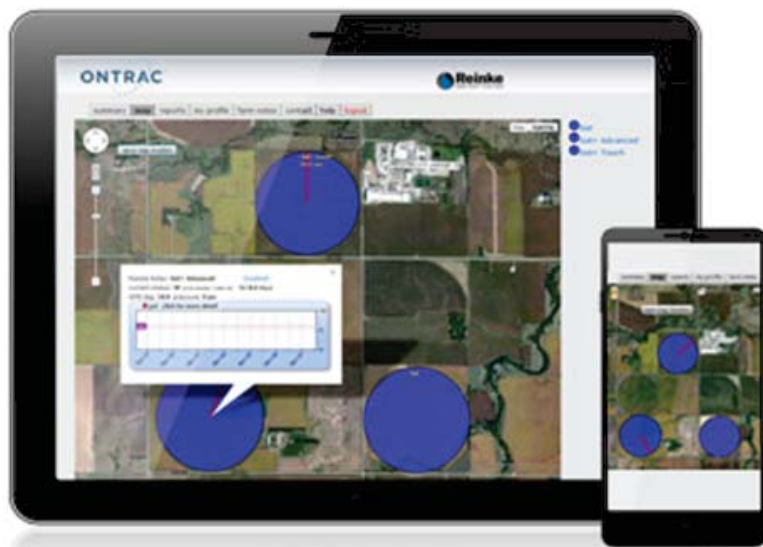


## 2. Ontrac Satellite Plus at a Glance

### Ontrac Satellite Plus - base unit



### 2.1 How it works



The Ontrac Satellite Plus communicates through a satellite network to an Ontrac server where the data is stored. This information is displayed on your website for monitoring and control of your irrigation system. You can access the secure website anytime, anywhere; using any internet enabled device such as tablets, smartphones, laptops and desktop computers. Ontrac Satellite Plus can easily keep you in touch with you and your irrigation systems through the critical system alerts this product offers.

## 2.2 Main Control Panel Installation



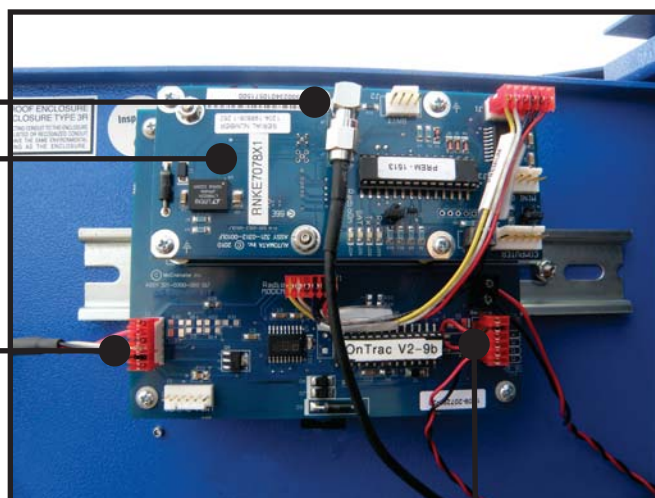
Installation RPM  
Advanced and  
Touch Compatible

Satellite Plus unit  
is installed inside  
inside the panel

Antenna Connection

Ontrac  
Satellite Plus  
base unit.

CPU Connection



Battery Connection



Bracket and Antenna  
Mount.



## 3. Getting Started

### Activation

#### **To activate the wireless service plan, you need:**

- A wireless services agreement provided by an authorized Reinke dealer. The Reinke dealer can help you successfully activate your Ontrac Satellite Plus device.

#### **To use Ontrac Satellite Plus with your phone, you need:**

- To enable text messaging with your cell phone provider and or enable internet access on compatible devices.

#### **To use Ontrac Satellite Plus with your computer, tablet or smartphone, you need:**

- Internet Access; and at least one of the following internet browsers: Internet Explorer 9 or greater, Firefox 11, Google Chrome 26x.
- Your username and password, and passcode provided at time of activation

#### **Record your account information below:**

Account Name: \_\_\_\_\_

Username: \_\_\_\_\_

Password: \_\_\_\_\_

5 Digit Passcode: \_\_\_\_\_

Satellite Plus Modem Number: RNKE \_\_\_\_\_

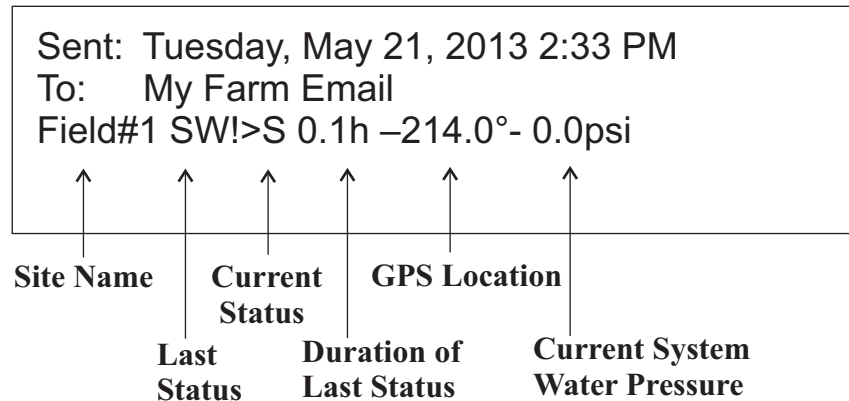
Field Location: \_\_\_\_\_



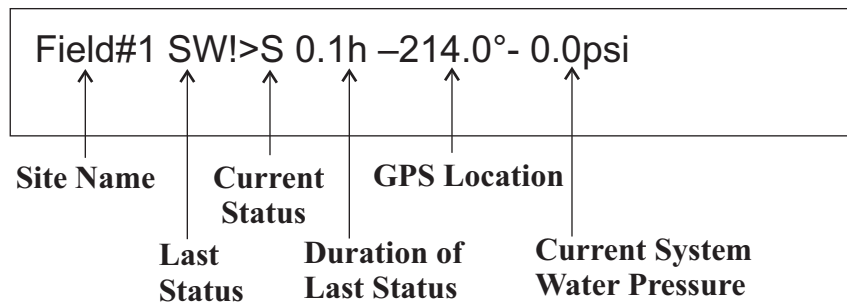
## 4. Alerts

You can receive system alerts through email and or text messaging. These alerts are based on the device configuration at time of installation or if any additional options are added at a later time.

### Email Alert



### Text Alert



### 4.1 Legend

Below is the legend that will help you understand the above messages.

- !! = Stopped Wet
- s = Stopped
- d = Running Dry in Forward
- w = Running Wet in Forward
- D = Running Dry in Reverse
- W = Running Wet in Reverse
- x = Unit not reporting or power off to unit
- p = Power fail

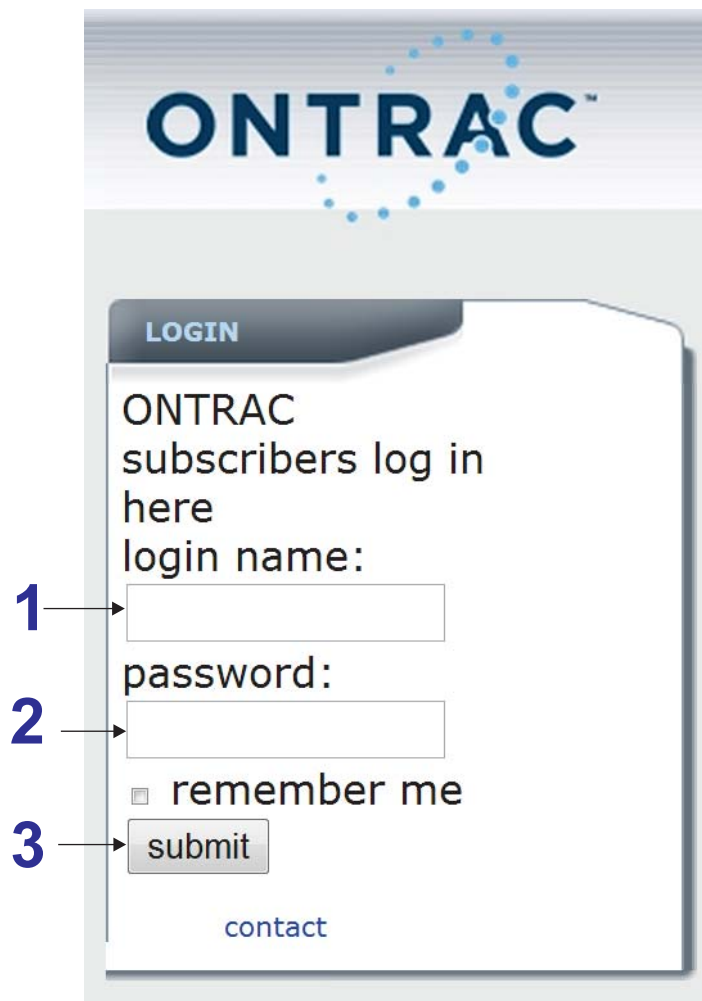
## 5. Ontrac Website

### 5.1 How to Log into the Ontrac website

Make sure you have your username and password handy that you created during activation.

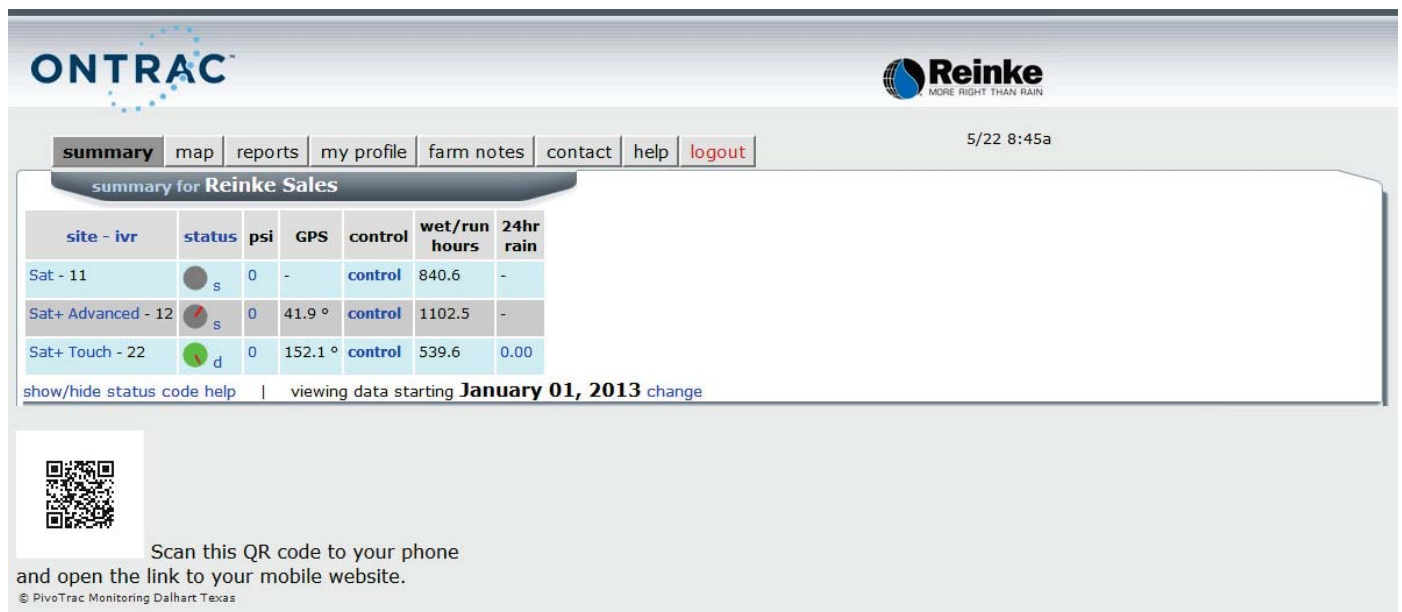
1. Go to [www.ontracbyreinke.com](http://www.ontracbyreinke.com)
2. Type in your username in the text box provided on the screen
3. Type in your password in the text box provided on the screen
4. Click when finished and you'll enter your Ontrac website.




*(If you check the remember me box the next time you go to the website it will automatically remember your login name and password.)* Please use caution when using the remember me option as this will allow access to any one using your phone.



The image shows a screenshot of the Ontrac website's login page. At the top, the ONTRAC logo is displayed. Below it, a dark grey tab labeled 'LOGIN' is visible. The main content area contains the text 'ONTRAC subscribers log in here' followed by 'login name:'. Below this is a text input box, with a blue number '1' and an arrow pointing to it. Underneath is the label 'password:' followed by another text input box, with a blue number '2' and an arrow pointing to it. Below the password box is a checkbox labeled 'remember me'. At the bottom of the form is a 'submit' button, with a blue number '3' and an arrow pointing to it. Below the submit button is a link labeled 'contact'.

## 5.2 Summary Page



site - ivr	status	psi	GPS	control	wet/run hours	24hr rain
Sat - 11	 s	0	-	<a href="#">control</a>	840.6	-
Sat+ Advanced - 12	 s	0	41.9 °	<a href="#">control</a>	1102.5	-
Sat+ Touch - 22	 d	0	152.1 °	<a href="#">control</a>	539.6	0.00

show/hide status code help | viewing data starting **January 01, 2013** [change](#)

Scan this QR code to your phone and open the link to your mobile website.  
© PivoTrac Monitoring Dalhart Texas

**A. Summary Page:** Lists all systems being monitored. All blue/purple text are links to other pages.

**site - ivr:** Unique name of pivot.

**Current Status:** Displays current status of your system with both a symbol as well as a 1 or 2 letter code.

**psi:** When a pressure transducer is used this shows actual system pressure.

**GPS:** This shows the location of the system in degrees

**control:** Depending on how the unit is equipped, This will allow you to do functions such as stop, stop by position, notify on position and set a daily schedule

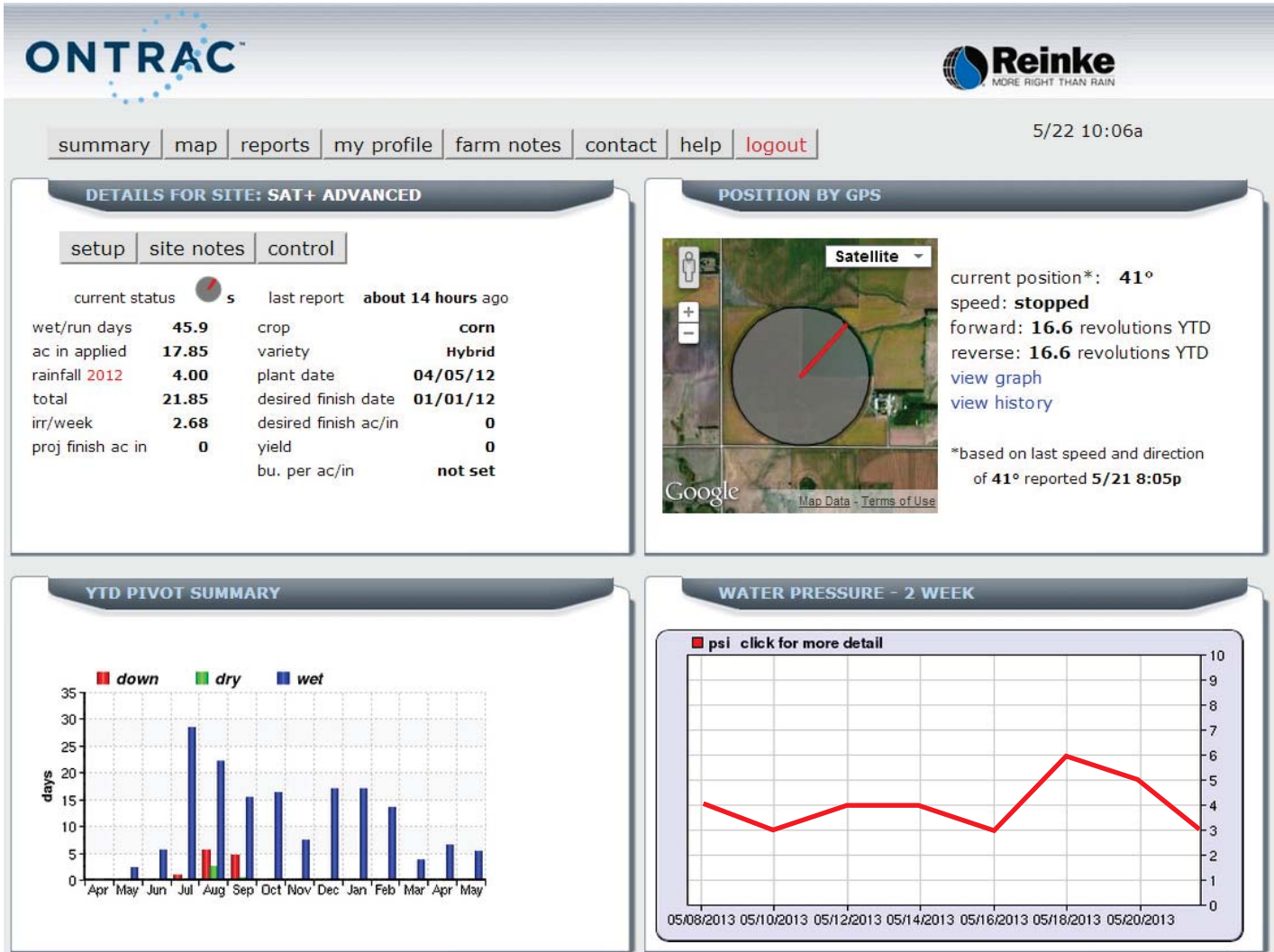
**wet/run hours:** Total hours the pivot has ran wet (with water) since the viewing data starting date at the bottom

**24h rain:** The amount of rain that has fallen in the last 24 hours if this option is installed on the device.

By clicking on (site-ivr or current status) blue text headers, changes the order in which this information is displayed on this page and by clicking on the blue text within the columns takes the user to more pages that show further detail of each system as shown on the next few pages.

## 5.3 Summary-Site-Details:



Below is an example of a page the user will see by clicking on one particular pivot system.



On this page the screens visible can vary in number and content depending upon the options installed on each system.

## 5.4 Summary-Site-Setup:

By clicking on the setup, site notes and control tabs of the details screen the user will go into even further detail as shown next. The headers will show path to screen shown.

[summary](#)
[map](#)
[reports](#)
[my profile](#)
[farm notes](#)
[contact](#)
[help](#)
[logout](#)
5/22 10:12a

**editing stats for Reinke Sales Sat+ Advanced**

**farm stats**

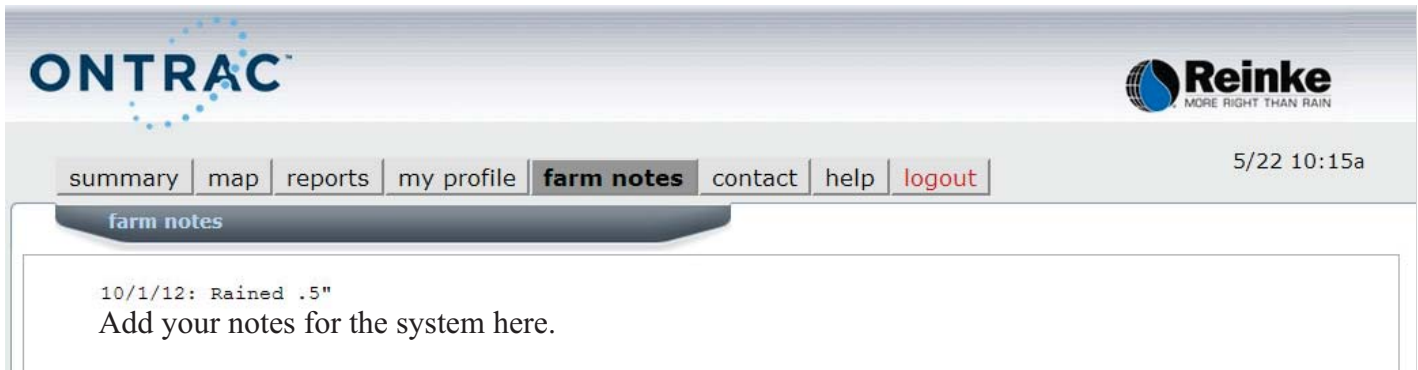
*legal description	<input type="text" value="39N9E12S"/>	<a href="#">help</a>
total acres	<input type="text" value="140"/>	<a href="#">help</a>
*wet acres	<input type="text" value="116"/>	<a href="#">help</a>
pivot efficiency	<input type="text" value="90"/> <input type="button" value="v"/>	<a href="#">help</a>
*flow rate - gpm	<input type="text" value="850"/>	<a href="#">help</a>
crop	<input type="text" value="corn"/> <input type="button" value="v"/>	<a href="#">help</a>
variety	<input type="text" value="Hybrid"/>	<a href="#">help</a>
population	<input type="text" value="800"/>	<a href="#">help</a>
plant date	<input type="text" value="5"/> <input type="button" value="v"/> <input type="text" value="April"/> <input type="button" value="v"/> <input type="text" value="2012"/> <input type="button" value="v"/>	<a href="#">help</a>
finish date	<input type="text" value="1"/> <input type="button" value="v"/> <input type="text" value="January"/> <input type="button" value="v"/> <input type="text" value="2012"/> <input type="button" value="v"/>	<a href="#">help</a>
finish acre in	<input type="text" value="0"/>	<a href="#">help</a>
yield	<input type="text" value="0"/>	<a href="#">help</a>

**rain**

rain adder	<input type="text" value="4"/>	<a href="#">help</a>
start rain at Jan 1	<input type="checkbox"/>	<a href="#">help</a>
rain start	<input type="text" value="1"/> <input type="button" value="v"/> <input type="text" value="January"/> <input type="button" value="v"/> <input type="text" value="2012"/> <input type="button" value="v"/>	<a href="#">help</a>
rain finish	<input type="text" value="1"/> <input type="button" value="v"/> <input type="text" value="December"/> <input type="button" value="v"/> <input type="text" value="2012"/> <input type="button" value="v"/>	<a href="#">help</a>



## 5.5 Summary-Site-Notes:



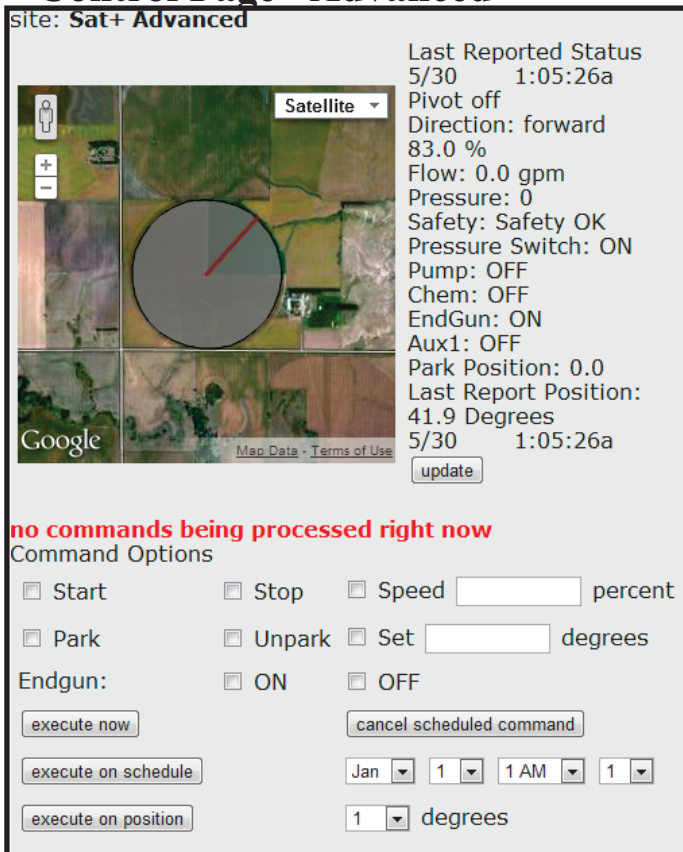
### Summary-Site-Control:

From the summary page you can click on control to open the control page for the unit. This control page will allow you to select commands and execute now, on a schedule, or by position. Simply check the box next to your desired command and click on the desired execute button. Every command should be followed by a confirmation message. If a failure happens try one more command before calling the dealer for support.



site - ivr	status	psi	GPS	control	wet/run hours	24hr rain
Sat - 11	s	0	-	control	840.6	-
Sat+ Advanced - 12	s	0	41.9 °	control	1102.5	-
Sat+ Touch - 22	d	0	152.1 °	control	539.6	0.00

### Control Page - Advanced



site: **Sat+ Advanced**

Last Reported Status  
5/30 1:05:26a  
Pivot off  
Direction: forward  
83.0 %  
Flow: 0.0 gpm  
Pressure: 0  
Safety: Safety OK  
Pressure Switch: ON  
Pump: OFF  
Chem: OFF  
EndGun: ON  
Aux1: OFF  
Park Position: 0.0  
Last Report Position:  
41.9 Degrees  
5/30 1:05:26a  
update

**no commands being processed right now**

Command Options

☐ Start ☐ Stop ☐ Speed  percent

☐ Park ☐ Unpark ☐ Set  degrees

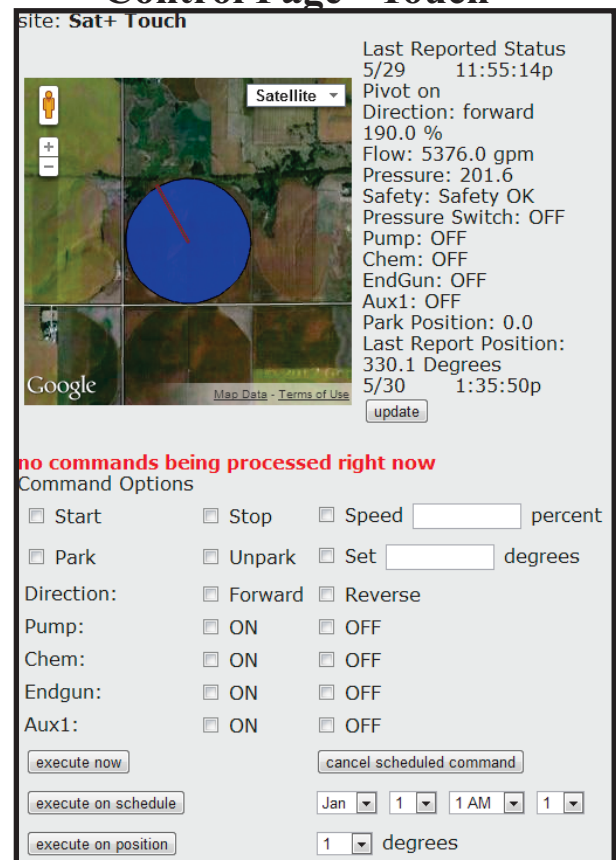
Endgun: ☐ ON ☐ OFF

execute now cancel scheduled command

execute on schedule Jan  1  1 AM  1

execute on position 1  degrees

### Control Page - Touch



site: **Sat+ Touch**

Last Reported Status  
5/29 11:55:14p  
Pivot on  
Direction: forward  
190.0 %  
Flow: 5376.0 gpm  
Pressure: 201.6  
Safety: Safety OK  
Pressure Switch: OFF  
Pump: OFF  
Chem: OFF  
EndGun: OFF  
Aux1: OFF  
Park Position: 0.0  
Last Report Position:  
330.1 Degrees  
5/30 1:35:50p  
update

**no commands being processed right now**

Command Options

☐ Start ☐ Stop ☐ Speed  percent

☐ Park ☐ Unpark ☐ Set  degrees

Direction: ☐ Forward ☐ Reverse

Pump: ☐ ON ☐ OFF

Chem: ☐ ON ☐ OFF

Endgun: ☐ ON ☐ OFF

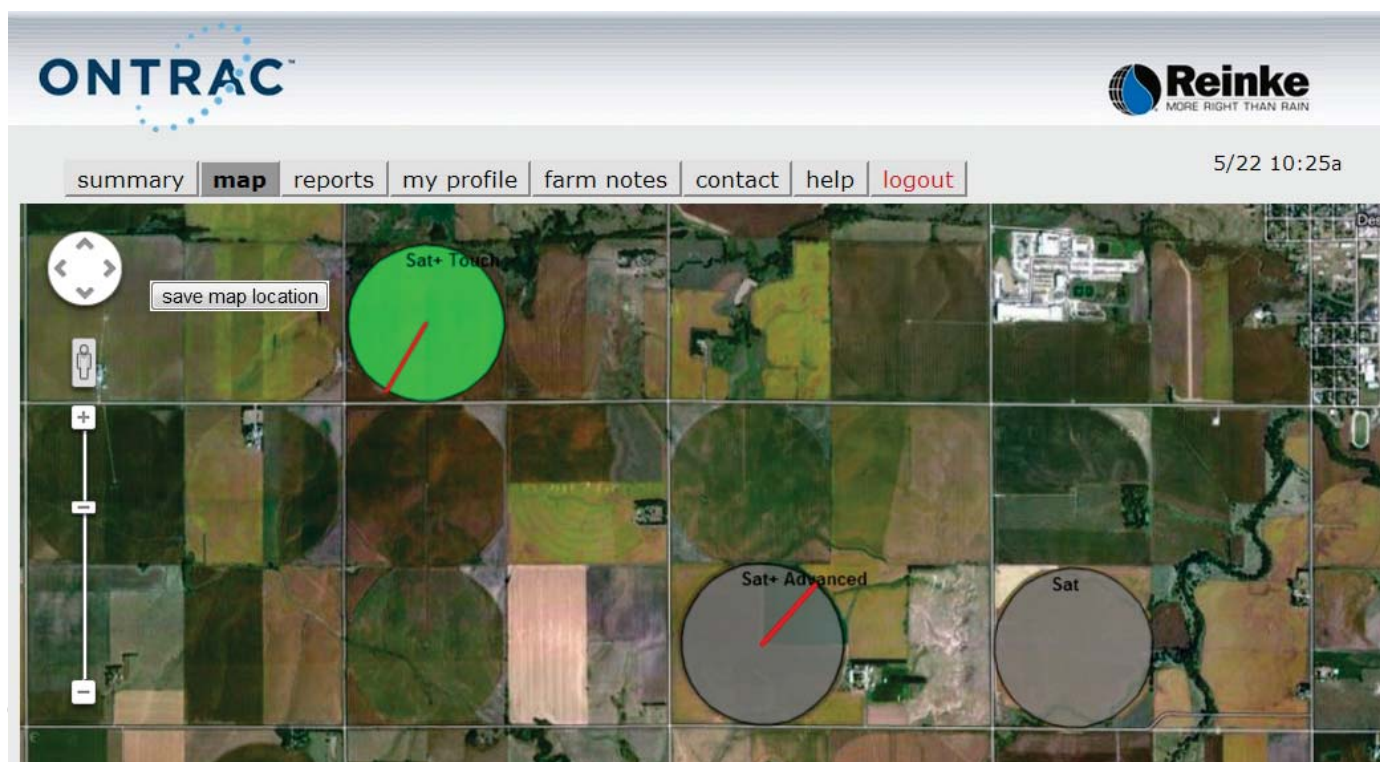
Aux1: ☐ ON ☐ OFF

execute now cancel scheduled command

execute on schedule Jan  1  1 AM  1

execute on position 1  degrees

**5.6 Map Page:** Shows topical map of your area and locations of your systems this tab also gives the user the ability to save different maps and locations.




**5.7 Report Page:** Clicking on run report produces a .pdf file that could be saved.



site name	legal name	flow	% eff	wet acres	total acres	rain start	rain finish
Sat	T23S2R1	450	90	42	55	1/1/2009	1/1/2009
Sat+ Advanced	39N9E12S	850	90	116	140	1/1/2012	12/1/2012
Sat+ Touch		300	90	0	0	5/16/2013	5/24/2013

\* link to set up area for each pivot

## 5.8 My Profile: This is where the user changes: User Name/Login Name, Password, Time, Message Options and Pager Options.

[summary](#)
[map](#)
[reports](#)
[my profile](#)
[farm notes](#)
[contact](#)
[help](#)
[logout](#)

5/22 10:30a

**Reinke Sales options**

login:   
password:   
select your current time\*:

\*this will set your time zone for paging options

**message options**

☒ alert for pivot direction changes  
☒ alert for pivot direction changes at night\*  
  
☒ alert for on/off power cycles (optional)  
☒ alert for on/off power cycles at night\*  
  
☒ view times in hours instead of days  
☐ drop decimal points on summary page  
☒ do not send speed change pages at night

\*night time refers to the hours from 10pm to 7am

**check to enable**

☒ myfarmemail@email.com  
☐ employee1@email.com  
☒ employee2@email.net

### Message Options:

When checked these allow the user to control some of the messages received and when. If not checked the option is not active.

### Pager Options:

This allows the user to be in control of personnel who will receive messages from the system, deselecting a phone number/name deactivates the phone number/person from receiving messages.



**5.9 Farm Notes:** User can put any notes pertaining to any system for future reference.

**5.10 Contact:** With this popup screen user can get help line phone numbers or email help desk.

**To Contact Ontrac**  
Please call the number below or fill out the email form.  
  
Messaging, setup + options:   Reinke customer care   888-872-2360  
  
name     
email     
phone

**5.11 Help:** This is a popup screen where the user can get the description of each tab located on the summary page.

<b>summary page</b>	This page is designed to give you a quick run down of what the most important numbers are. The following is a description of each of the columns.
<b>site</b>	Your name for your pivot, compressor, pump, dryer, or whatever you are monitoring.
<b>current status</b>	The last known status of your site.
<b>time days</b>	The amount of time that your site has been in the current status
<b>prior status</b>	The last known status before the current one.
<b>wet/run days</b>	The number of days that we record your site as running.
<b>Optional:</b>	
<b>pressure</b>	If you have a pressure transducer installed, this is where we would give you your current pressure reading in psi
<b>flow</b>	If you have an electronic flow meter installed and being read, this is where you would see your average flow reading.
<input type="button" value="Close Window"/>	

**5.12 Logout:** This is where the user logs out of the website. The user should always do this when finished working on the website to insure privacy.



*Before attempting any service or installation work ensure the Disconnect Switch on the Main Control Panel is **OFF**.*

## **6. System Maintenance**

### Year End - Winterization

- a. Disconnect the battery from the electronic board.
- b. Remove the battery from the unit if winter temperatures reach 32° Fahrenheit or lower.
- c. Store battery above 32° degrees Fahrenheit to help preserve battery life; also if system will be idle for more than a 2 month period.







# ONTRAC<sup>TM</sup>

**Satellite Technology** Perfect for areas with little or no cellular coverage.

**Equipment Compatibility** Provides the most advanced satellite remote monitoring and control on Reinke's RPM and Touchscreen panels.

**Economic Value** Ontrac Satellite Plus will provide years of reliable monitoring and control and the performance the user is looking for at an affordable cost of ownership.

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Create reports, control your system,  
or view extensive history via the internet.

Control your system via tablet, smart phone,  
or any secure internet connection.



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MORE RIGHT THAN RAIN  
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