





Getting Started Manual

# **Table of Contents**

Introduction
Quick Reference Guide
Before You Start
Initial SitePro Setup10Basic Irrigation Method11Intermediate Irrigation Method11Advanced Irrigation Method11Step 1: General Setup12Step 2: Build the Irrigation Methods Database13Step 3: Set Up the Control System14Step 4: Set Up the Hydraulic System15Step 5: Program the Control System16Step 6: Set Up the Advanced Menu Items17Step 7: Daily Operations17
About the Optional SitePro Modules

## Welcome to SitePro<sup>®</sup> Advanced Central Irrigation Control Software from The Toro Company

Congratulations on purchasing the most advanced irrigation site management system available. SitePro offers advanced features for total site management, yet is quite easy to use. An integral part of SitePro is the comprehensive on-line help screens that follow the familiar Windows format.

#### This Getting Started guide outlines:

- An overview of SitePro's features and screens (located in the *Quick Reference* pages).
- The general information you need to have on hand before setting up SitePro.
- The basic steps you should take to program SitePro.
- An introduction to the daily operation features.



#### 0 Menu Bar

Elle View Setup Manual Reports Tools Help

Accesses all functions of SitePro using the pull-down menus under each heading.

#### **2** Daily Operations Tool Bar



Consists of speed buttons for one-click access to central

control functions that are used frequently.

#### O Database File Name

Shows the currently loaded database file name

#### Help Button



Launches SitePro's on-line help system.

#### **O** Tabbed Notebook

Manual Reports Tools Changes the buttons on the Features tool bar.

### **0** Features Tool Bar



Provides quick access to features related to each item of the tabbed notebook.

# O Shows the System Watch Report Screen

B

#### **O** Shows the Pump Monitor Screen

#### **O** Rain Hold Alert

Changes to a cloud over the sun when the system is placed on Rain Hold.

**• Bell** Displays movement as an alert to an alarm condition.

# Displays the Flow and Pressure from the Pump Station

**@ Message Display Bar** Shows informational and system messages.

**③ Date and Time Bar** Displays the computer date and time. The current day of the year is shown to the right.

# <u>The Menu Bar</u>

<b>E</b> ile	itePro ⊻iew	<u>S</u> etup	<u>M</u> anual	<u>R</u> eports	<u>T</u> ools	<u>H</u> elp	
	<u>v</u> lew ⊇pen ⊇lose ≧ave Save <u>A</u> s Print Sel	- - - :	- 0 - 0 - 0 - 0 - 0 - 0				<ol> <li>Clance</li> <li>O</li> <li>O</li> <li>Clance</li> <li>Clance</li> <li>Sa</li> <li>o</li> </ol>
E	E <u>x</u> it	-	- 0				<ul> <li>Sa file</li> <li>Br</li> <li>Ex</li> </ul>
					<	Ď	*Note: inforn make
<b>F</b> ile	itePro ⊻iew	<u>S</u> etup	<u>M</u> anual	<u>R</u> eports	<u>T</u> ools	<u>H</u> elp	
	<ul> <li>✓ <u>B</u>a</li> <li>✓ <u>I</u>a</li> <li>✓ <u>H</u>ia</li> <li>✓ <u>S</u>t</li> </ul>	ackgroun polbar nts atus Bar	d	D 2 3 4			<ol> <li>Di</li> <li>Di</li> <li>Di</li> <li>Acc</li> <li>En</li> <li>Da</li> </ol>

📰 SitePro						
<u>F</u> ile ⊻iew	<u>S</u> etup	<u>M</u> anual	<u>R</u> eport	s	<u>T</u> ools	<u>H</u> elp
	<u>L</u> ar Haj <u>S</u> ys	iguage / L dware tem Settin	Jnits Igs	_	- 0 - 0 - 6	
	Env Cor Hyd Pro Ass	vironmenta htrol Syste draulic Sys grams ign Station	il m tem	►	- 4 - 5 - 6 - 7	
	Adv	/anced		•-	- 0	

- Choose the preferred language and units.
- Set up the field hardware used and satellite communications.
- Customize the home screen, map coordinates, update time, alarms notice and other information unique to your system.
- **4** Define demand ET, site codes and nozzles.
- Define groups of satellites, individual satellites and stations.
- **6** Create a model of the hydraulic system.
- Define irrigation programs, master start times and sequences.
- **3** Assign stations to programs.
- Access advanced program features: Multi-Manual, Switches, Control Codes, Sensors/Alarms and Alarms/Responses.

# The Menu Bar (cont.)

🔄 SitePro							
<u>File V</u> iew	<u>S</u> etup	<u>M</u> anual	<u>R</u> eports	<u>T</u> ools	<u>H</u> elp		
	0 – 2 – 3 – 0 – 5 –	– Perc – Start – Start – <u>C</u> ano – <u>S</u> wite	ent <u>A</u> djust. <u>P</u> rogram <u>M</u> ulti-Man cel Hold 71 ches	 iual Pause R	esume.	 0 0 8 4	Make manual adjustments. Select a prog Start multiple Activate com
	6 – 7 –	- Se <u>n</u> o - <u>D</u> ow	d Page nload			6 6	Turn switche Send a page (OSMAC field
						9	Dermland

- l run time percentage
- gram to start.
- stations at one time.
- mands that stop/start irrigation.
- s on or off.
- to a pager or satellite. d hardware only.)
- Download system operating parameters to the satellites.

(Network 8000, Network DR2, Network CDS and Network LTC Plus field hardware only.)

S S	itePro								
<u>F</u> ile	⊻iew	<u>S</u> etup	<u>M</u> anual	<u>R</u> eports	<u>T</u> ools	<u>H</u> elp			
			0 – 0 –	– <u>C</u> entr - Field	al Statu S <u>t</u> atus	S			
			<ul> <li>3</li> <li>4</li> <li>4</li> <li>5</li> <li>6</li> <li>7</li> <li>6</li> <li>7</li> <li>7</li> <li>8</li> <li>1</li> </ul>	- Runj - <u>P</u> roje - S <u>e</u> ns - <u>D</u> atal - Wate - Sche	<u>T</u> ime Re cted Flo ors base Re er <u>U</u> sage duled <u>A</u>	ports	() ()	Analy: (Netw Netwo only.) Displa Show:	zes the ser fork 8000, f ork LTC Plu ays the cor s how muc
			9 0 0 0 0 0	- <u>H</u> olds - Satel - <u>F</u> ield - Unas - Satel	s lites with Change signed ( lite Prog	n <u>R</u> eports s Stations ra <u>m</u> s	0	by the Provic irrigat Displa effect. Gener	irrigation les an ove ion activity ays any irri

- Displays information available from the central control system.
- **2** Displays information available from field hardware. (Network 8000, Network LTC, Network LTC Plus Network DR2 and *Network CDS field hardware only.)*
- **③** Provides information and printed reports about the actual watering times of stations.
- **④** Gives a graphical display of the projected flow of a program or programs.

- nsor data. Network CDS and *is field hardware systems*
- ntents of the database.
- ch water has been used system.
- rview of the scheduled Τ.
- gation holds that are in
- us satellite reports. (All hardware systems except OSMAC and Network DR2.)
- **①** Gives information about program changes made in the field at the satellites. (Network LTC Plus and Network 8000 field hardware only.)
- Shows stations not assigned to a program or a hydro-link.
- <sup>®</sup> Launches a report that shows the relationship of a satellite's internal program number to the Central program.

# The Menu Bar (cont.)

<ul> <li>S</li> </ul>	itePro	- onen	8ksat.zip	•	
<u>F</u> ile	⊻iew	<u>S</u> etup	<u>M</u> anual	<u>R</u> eports	<u>T</u> ools <u>H</u> elp
				0	— T. <u>W</u> eather
				0	— Network <u>H</u> and-Held
				8	— Т. <u>М</u> ар
				4	— <u>P</u> ump
				0	— Status <u>L</u> og
				6	<u>C</u> ommunication Monitor
				0	— <u>F</u> low Log
				8	— <u>D</u> ownload Log
				9	<ul> <li>Toro Site Management</li> </ul>

- Accesses the optional T.Weather with WeatherLogic software module for controlling weather stations.
- Opens optional Toro Network Hand-Held software for the hand-held radio system.
- Opens the optional T.Map software module for advanced site graphics.
- Launches the pump station software.
- Compiles diagnostic messages generated by SitePro.
- Displays the current status of the communication channels. (Network 8000, Network LTC Plus and Network CDS.)
- Shows the messages created by the flow manager.
- Lists which satellites received information downloaded from the central. (All field hardware except OSMAC.)
- Launches the optional Toro Site Management software.

# The Daily Operations Tool Bar



#### **0** Percent Adjust Button

Make manual percentage adjustments of run times.

#### **@** Programs Button

Access the irrigation programs function of SitePro. Define and review programs and start times.

#### **8** Run-Time Review Button

Check the scheduled to run times of stations.

#### **O** Projected Flow Button

Graphically display the projected flow.



# **Tabbed Notebook**



#### 0 Manual Tab

Select this tab to display buttons on the Features tool bar that focus on Manual operations.



An active tab is displayed as gray. Inactive tabs are white.

#### Ø Reports Tab

Choose this tab to change the buttons on the Features tool bar to the Reports functions.

#### **O** Tools Tab

Click on this tab to change the buttons on the Features tool tar to the optional Tool modules.

# The Features Tool Bar - Manual



#### **0** Percent Adjust Button

Make manual percentage adjustments of run times.

#### **0** Start/Stop Program Button

Select a program to start or stop manually.

#### Start/Stop Multi-Manual Button

Start or stop multiple stations at one time.

#### O Cancel/Hold Button

Activate commands that stop irrigation.

#### Switch Button

Turn switches on or off.

#### **O** Send Page Button

Send a page to a pager or satellite. (OSMAC field hardware only.)

#### O Download Button

Download system operating parameters to the satellites. (Network 8000, Network DR2, Network LTC Plus and Network CDS field hardware only.)



# The Features Tool Bar - Reports



### **0** Central Status Report Button

Gathers information from the central control system.

### **Ø** Field Status Report Button

Displays information available from the field hardware. (All field hardware except OSMAC which has simulated field status.)

# **O** Water-Time Review Report Button

Provides information about the watering times of stations.

#### **O** Projected Flow Report Button

Gives a graphical display of the projected flow of a program.

#### **O** Sensors Report Button

Analyzes sensor data. (Does not apply to OSMAC, Network CDS or Network DR2 field hardware.)

#### **O** Database Report Button

Displays the contents of the database.

#### Water Usage Report Button

Shows how much water has been used by the irrigation system.

### Scheduled Activity Report Button

Reviews the scheduled irrigation activity.

### **O** View Holds Button

Displays any irrigation holds that are in effect.

#### **O** Satellites with Reports Button

Generates various satellite reports. (Network 8000, Network LTC Plus, Network LTC and Network CDS field hardware only.)

#### **<sup>①</sup>** Field Changes Button

Gives information about program changes made in the field at the satellites. (Network 8000 and Network LTC Plus field hardware only.)

#### Our Unassigned Stations Button

Shows stations not assigned to a program or a hydro-link.

#### B Satellite Programs Button

Launches a report that shows the relationship of a satellite's internal program number to the Central program.



### Quick Reference Guide

# **The Features Tool Bar - Tools**



#### **0** T.Weather Station Button

Accesses T.Weather with WeatherLogic, an optional software module for controlling weather stations.

#### O Toro Hand-Held Button

Opens Toro Hand-Held, optional software for the hand-held radio system. (All field hardware systems except OSMAC.)

#### O T.Map Button

Opens the optional T.Map module that uses advanced site graphics to control your irrigation system.

#### O Pump Button

Launches pump monitor and software.

#### Status Log Button

Displays error messages.

#### O Communication Monitor Button

Displays the current status of the communication channels. (For field hardware using the FIU. Network 8000, Network LTC Plus and Network CDS field hardware systems only.)

#### Flow Log Button

Shows the text file of the last projected flow.

#### O Download Log Button

Lists which satellites received information downloaded from the central *(All field hardware systems except OSMAC.)* 

#### O TSM Button

Launches Toro Site Management, (optional) software.

### **Before You Start**

The first time you launch the SitePro software, the **Unlock** screen appears as pictured below. You need to contact the Toro National Support Network (NSN) and provide them the code entry number, shown on the sample screen as "240263602," and the computer number as they appear on your screen. NSN then runs an encryption program which provides the access code needed to continue the initial SitePro launch. You must enter this number into the "Enter code" box immediately.

After entering the code and clicking "OK," SitePro will continue launching. You will only need to do this once. The **Unlock** screen will not appear again **unless** the following circumstances occur:

- The computer's hard drive or mother board is replaced.
- New system hardware components have been added.
- The CMOS settings have been changed.
- New software is installed.

If this happens, a new code number will be required, since the code entry number changes each time the program is launched on a new system or hard drive. Additionally, if you have a laptop or docking station, the SitePro application cannot be shared. The applications must reside with their own unique access codes on each machine.

The **Unlock** screen also appears on the T.Weather with WeatherLogic<sup>™</sup> software modules as well. This application requires a unique access code number from NSN in order to run.

Unlock Screen for SitePro		×
Contact TORO NSN 1-800-5	for Authorization at: i27-4248	Cancel
Code Entry: Computer Number:	240263602 829048	
Enter code:		

### Before You Start (cont.)

If you have purchased the optional Network Hand-Held<sup>™</sup> or T.Weather with WeatherLogic<sup>™</sup> software modules for SitePro, please install and configure them before setting up SitePro. The T.Map<sup>™</sup> software module, which offers superior control over your site with graphic capabilities, should be configured after you have completed programming SitePro.

You need to have the following information on hand <u>before</u> you start programming your customized irrigation control system:

- **The specific unique address of each satellite in your system** (if your field hardware includes satellites) required to define the overall control system structure which is made up of groups, satellites assigned to groups and stations assigned to satellites.
- **As-built plans of your hydraulic system** helpful when configuring the hydraulic database that is part of the flow management feature. The traditional golf course irrigation design is a series of complex loops. These will need to be converted into a tree-type configuration. If you are uncomfortable doing this, please contact your Toro distributor or irrigation consultant.
- All sprinkler and nozzle information for all the satellites needed to build the sprinkler database.
- The number of stations and their names.
- **The initialization string for the modem** if using a telephone communications hardware link.
- **Plan how you want to irrigate** an understanding of the way stations will be assigned to specific programs and how you want those programs to operate.

Other useful information, depending on the irrigation method you want to use, includes:

- Monthly ET for your climate zone located in the *Toro Rainfall-Evapotranspiration Data* booklet. (Form #490-1358)
- **Map coordinates for your site: latitude, longitude and altitude** often can be obtained from your local airport. You'll need this information if you want to calculate watering times based on sunrise and sunset.
- **Plant and soil types for your site** used as an optional database in adjusting your watering schedule based upon these types or any other grouping of stations.

### Initial SitePro Setup

SitePro offers powerful central control of your irrigation system. You can optimize all of SitePro's features by determining the irrigation method you would like to use: Advanced, Intermediate or Basic. The Advanced irrigation method offers sophisticated calculation of watering times based on ET; Intermediate provides adjustment of station run times based on a reference ET; Basic allows for simple direct adjustments on watering times. With SitePro, you can easily create an irrigation environment customized to your site.



Before beginning the initial set up and programming of SitePro, be sure you have read the "Before You Start" section and that you have <u>all</u> the necessary information available.

• Follow the basic steps outlined below to set up SitePro for the first time.

## Initial SitePro Setup (cont.)

- Use the Irrigation Method tables above to guide you on the amount of information you need to provide SitePro to meet your irrigation needs. On *Step 2: Build the Irrigation Methods Database* outlined below, the symbols , and indicate the items you need to complete for your selected irrigation method.
   Basic = Basic = Intermediate = Advanced.
- Refer to the *Quick Reference* Guide pages 2–8 for the location of screen menus and buttons.
- The on-line help screens can provide you with additional information about SitePro.

BASIC IRRIGATION METHOD Direct Adjustment of Station Run Times							
Sprinkler Data Required: Program Setup: Operation:							
<ul><li>Types</li><li>Locations</li><li>Pressure</li></ul>	• Daily run times for the sprinklers are assigned to the program.	• You assign run times to the sprinklers. Make manual percentage adjustments to change run times.					

INTERMEDIATE IRRIGATION METHOD Adjustment of Station Run Times Based on ET							
Sprinkler Data Required: Program Setup: Operation:							
<ul><li>Types</li><li>Locations</li><li>Pressure</li></ul>	<ul> <li>Daily run times for the sprinklers are assigned to the program.</li> <li>A reference ET is associated with the run times.</li> </ul>	<ul> <li>You assign run times to the sprinklers based on a reference ET. Run times can be automatically adjusted by the daily ET (operational ET).</li> <li>Define an ET source for the program</li> </ul>					

ADVANCED IRRIGATION METHOD Automatic Calculation of Station Run Times Based on ET							
Sprinkler Data Required:	Program Setup:	Operation:					
<ul> <li>Types</li> <li>Locations</li> <li>Pressure</li> <li>Arc</li> <li>Pattern</li> <li>Distance</li> </ul>	• Define an ET source for the program.	<ul> <li>Run times are calculated automatically based on the ET data from the selected ET source and on the sprinkler configuration.</li> <li>Define an ET source for the program.</li> </ul>					

#### STEP 1: GENERAL SETUP

Follow these steps to set up the general configuration of SitePro:

- Select the language (Setup > Language/Units) Select the language used on the SitePro screens.
- Select units of measure (Setup > Language/Units)
   Select the units of measure you prefer for calculations and display.
- SitePro <u>File View Setup Manual Reports</u> <u>T</u>ools <u>H</u>elp 00 Language / Units... Hardware... 60 000000 System Settings... Environmental ۶ Control System... Hydraulic System... Programs... Assign Stations... Advanced ۲
- Select control system hardware (Setup > Hardware> System) Choose the type of Toro field hardware/satellites used in your irrigation system.



Only <u>one</u> type of hardware can be selected. Throughout SitePro, features will be grayed out if they do not apply to the selected hardware type.

- Select the communications configuration (Setup > Hardware > Communications) Define the wire, telephone and/or radio parameters used between the SitePro central and your field hardware.
- System Settings: Choose the update time (Setup > System Settings > Update Time) Set the control system update time and water-time window. You can also perform a manual update or change the field time.



*System update time must be at least 60 minutes prior to the first master sequence start time.* 

• System Settings: Configure the home screen (Setup > System Settings > Site Setup > Home Screen)

Customize the look of your home screen.

System Settings: Configure the map coordinates (Setup > System Settings > Site > Setup >Map Coordinates)

Enter information to calculate sunrise and sunset if you want to use them for irrigation start times.

- System Settings: Select the flow management algorithm (Setup > System Settings > Site Setup >Flow Management)
   Select either Program-based flow or Station-based flow. (For Network DR2, Network CDS and OSMAC field hardware systems only.)
- System Settings: Define the alarm notice (Setup > System Settings > Alarm Notice) Define the action SitePro will provide to notify you of an alarm.
- **O** System Settings: (Setup > System Settings > Upload Select) Select satellite and station information upload parameters. *(For Network 8000 and Network LTC Plus systems only.)*

#### STEP 2: BUILD THE IRRIGATION METHODS DATABASE

Using these steps, you will define the elements SitePro needs to build the irrigation methods database: nozzles, site codes, and methods and sources of ET (evapotranspiration).

These symbols highlight the steps you need to complete for your selected irrigation method:



- = Basic (Direct adjustment of run times.)
- = Intermediate (Adjustment of run times based on ET.)
- = Advanced (Calculation of run times based on ET.)

#### • Set up the Demand ET information (Setup > Environmental >Demand ET)



Station run times can be based on time or on ET. This section does not need to be defined if you choose to run the stations on time-based data, as in the Basic Irrigation Method.

Define the methods and sources of ET you want to use to adjust and calculate station run times.

- Demand ET Summary
- TempET (Network 8000 field hardware only)
- Historical ET
- Water Budget
- Select ET Sources
- **O** Define site codes (Setup > Environmental > Site Codes)



Site codes are optional information. Complete this section of the database only if you want to adjust ET, a group of station run times or create programs based on site code factors.

Define plant and soil types, compaction and slope. This allows you to fine-tune the watering time of individual sprinklers to meet specific site needs.

Select the Toro nozzles (Setup > Environmental > Nozzles)
 Select the nozzles used in your irrigation system and fine-tune pressure, radius and flow rates. A complete listing of Toro nozzles is already created in SitePro for this purpose. The nozzle information is used in the Control System menu and is necessary for Electro-Flow<sup>™</sup> to operate. Electro-Flow is SitePro's flow and electrical management feature.



#### STEP 3: SET UP THE CONTROL SYSTEM

Next, you need to create the database that defines the control system: groups of satellites, individual satellites and the stations assigned to specific satellites.

• Define satellite groups (Setup > Control System > Groups) Define groups of satellites that allow you to control similar areas of your site at the same time. For example, you may want to create a group named "Front 9" or "Tees." (If you have Central Decoder System hardware,



you may combine DIUs.) If desired, you may choose to control the system with only one defined group of satellites.



For satellites to be assigned to the same group, they must have the same method of communication (i.e., wire, telephone or radio).

#### **O** Define satellites (Setup > Control System > Satellites)

After defining groups, you can assign satellites to groups and enter individual satellite information.



The satellite numbers entered here must correspond with the unique address set at the satellite in the field.

#### • **Define stations** (Setup > Control System > Stations)

Assign stations to specific satellites and enter individual station information. Use the "copy" and "paste" buttons to enter repetitive station information quickly.

![](_page_15_Picture_14.jpeg)

It is not necessary to enter information in all columns of the station database table. However, you must enter a station number, name, percent adjustment, nozzle flow, number of heads and the flow rate for the station in order for

SitePro to perform properly. Other data may be added to optimize SitePro. (For more information, refer to Defining Stations in the on-line Help screens.)

#### STEP 4: SET UP THE HYDRAULIC SYSTEM

After you have defined the groups, satellites and stations, you must create a model of your hydraulic system and assign each station to an hydraulic element.

![](_page_16_Picture_3.jpeg)

SitePro offers a convenient graphical way to define a multilevel hydraulic tree. You can easily define your flow limits

through mainlines, branches and flow groups within the SitePro software.

S	SitePro								
в	⊻iew	<u>S</u> etup	<u>M</u> anual	<u>R</u> eports	<u>T</u> ools	<u>H</u> elp			
		Lar Ha <u>i</u> Sys Env Cor	iguage / l dware tem Settin vironmenta htrol Syste	Jnits ıgs al ► m					
		— <u>H</u> yd <u>P</u> ro <u>A</u> ss	draulic Sys grams ign Station	:tem ns	- 0 0	)			
		Adv	/anced	•					

• **Define elements of the hydraulic system** (Setup > Hydraulic System > Attributes) Create a model of the flow demand on your hydraulic system by defining water sources and their associated pipes which represent mainlines, branches and flow groups.

Fil

• Create Hydro-Links: Assign stations to the hydraulic system (Setup > Hydraulic System > Assign)

Assign each station to a hydraulic element. This defines the Hydro-Link, a connection point at the station level between the control system and the hydraulic system. You can review these assignments using the Review tab (Setup > Hydraulic System > Review).

![](_page_16_Picture_10.jpeg)

• **Review Station Assignments** (Setup > Hydraulic System > Review) Review these Hydro-Link assignments using the Review tab.

To double check station assignments to Hydro-Links:

• Run an Unassigned Stations report.

You also can verify the station assignments by:

- Running a projected flow (click on the Projected Flow button on the daily operations tool bar).
- After closing the graph, check the Flow Log (F-Log) to review any errors in the hydraulic assignments. Select the F-Log from the Tools menu (Tools > F-Log) or by clicking on the F-Log button on the tool bar. Any stations missing a Hyrdo-Link will be displayed in this text file.

![](_page_16_Picture_18.jpeg)

#### STEP 5: PROGRAM THE CONTROL SYSTEM

Once the control system and hydraulic system have been defined, you can set up irrigation programs.

- Name the irrigation program and select a percent adjustment (if desired) (Setup > Programs)
- Select the schedule mode for the program (Setup > Programs > Schedule)
   Choose from 14-day Calendar, Interval, Odd Days, Even Days or Annual Calendar.

![](_page_17_Figure_5.jpeg)

- Assign the active days for the program (Setup > Programs > Active Days) Set the active days if either the 14-Day Calendar or Annual Calendar mode has been selected. Once set, the active days on the calendar turn bright green.
- Specify ET parameters and run-time calculation (Setup > Programs > ET Use) Specify the run-time calculation method of the program, ET mode, source of ET, reference ET and default run times.
- ● Assign repeats and soaks (Setup > Programs > Repeats/Soaks) Select the number of repeats of the selected program and specify the minimum soak time for stations in the program.
- Assign auto switches (Setup > Programs > Auto Switch) Assign switches using the Auto Switch tab.
- Review program setup (Setup > Programs > Summary)
   Verify the feature settings and configuration of each of your irrigation programs.
- Create master program sequences (Setup > Programs > Start Times > Information) Start times are assigned to master program sequences. Go to the Information tab under Programs > Start Times to create and name a master sequence.
- Assign programs to master sequences (Setup > Programs > Start Times > System Programs) Assign programs to specific master sequences. All programs in the system are listed.
- **Define master sequence attributes and program modes** (Setup > Programs >
  - Start Times > Information)
    Highlight a sequence and assign it a watering priority, percent adjustment and a start or stop time.
  - Select a program and choose a running mode: normal or syringe/test cycle.
  - Click on the check box to make the program part of the master sequence.
- Assign stations and review station assignment (Setup > Assign Stations)
   Use the table on the Assign Stations screen to assign stations to a particular program or select Auto Programmer to create assignments. Review stations assignments here.

### STEP 6:

SET UP ADVANCED MENU ITEMS

Depending on the components of your central control system, you may need to set up advanced features of SitePro. These include multi-manual groups, switches, control codes, sensors/alarms and alarms/responses.

- Set up any advanced program features (Setup > Advanced)
  - Multi-Manual Groups (Network 8000 field hardware only)
  - Switches
  - Control Codes (Network 8000 field hardware only)
  - Sensors/Alarms (Network 8000, Network DR2, Network LTC, Network LTC Plus and Network CDS field hardware only)
  - Alarms/Response

![](_page_18_Picture_10.jpeg)

For more information on the programming and operation of SitePro, refer to the on-line Help screens.

Setup Manual Reports

Language / Units... Hardware...

System Settings...

Environmental

A<u>d</u>vanced

Control System...

<u>H</u>ydraulic System... <u>P</u>rograms... Assign Stations...

### STEP 7: DAILY OPERATIONS

![](_page_18_Picture_13.jpeg)

Use the speed buttons at the top for quick access to the functions you use on a daily basis.

![](_page_18_Picture_15.jpeg)

**Percent Adjust Button** — Make manual percentage adjustments of run times.

![](_page_18_Picture_17.jpeg)

**Programs Button** — Access the irrigation programs function of SitePro. Define and review programs and start times.

![](_page_18_Picture_19.jpeg)

**Run-Time Review Button** — Check the length of time water is scheduled to run for stations.

![](_page_18_Picture_21.jpeg)

**Projected Flow Button** — Graphically display the projected flow of a program.

Congratulations! You have successfully programmed SitePro and are now ready to irrigate. If you need further help, or want to make sure you are optimizing your system, use SitePro's extensive on-line Help screens.

<u>M</u>ulti-Manual... <u>S</u>witches... <u>C</u>ontrol Codes... S<u>e</u>nsors/Alarms... Alarms/Responses...

Tools Help

![](_page_18_Picture_26.jpeg)

# About the Optional SitePro Modules

Extend SitePro's picture-perfect irrigation control to an even higher level with these optional software modules.

#### T.Map™

The T.Map software module puts resource management at your fingertips:

- Use a precise representation of your site\*.
- Allows GPS map accuracy.
- Dynamic, interactive system operation.
- Point and click on the map to make immediate system adjustments, manual starts and rain holds.
- Create work orders and manage event planning right from the map.
- Quickly measure distance and area *(with GPS)*.

\* T.Map is GPS compatible and requires the assistance of a service provider to create the map — using CAD graphics or aerial photography and then to link the map to the SitePro irrigation database.

#### T.Weather with Weather Logic<sup>™</sup>

T.Weather with WeatherLogic<sup>™</sup> gives you the most out of your weather station:

- Establish an interactive link between the weather station and SitePro.
- Define "if/then" statements for interactive alarm thresholds.
- Prepare reports using historical weather data (up to one year).

#### Network Hand-Held

SitePro with Toro Network Hand-Held delivers powerful central control with convenient hand-held radio capabilities:

• Provides field-based operation of many manual irrigation functions of SitePro.

![](_page_19_Picture_20.jpeg)