G.S.I Controller Web Application

Administrator Guide

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Contact Us

Galcon

Kfar Blum 12150, Israel

Tel: 972-4-6900222

Fax: 972-4-6902727

E-mail: info@galconc.com

Visit us at: www.galconc.com

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1. About the Admin Module

The Admin module lets you manage your irrigation projects (sites) for the Galcon G.S.I Controller irrigation unit.

You use the Admin module to:

- Create and manage your irrigation projects
- Create and manage irrigation project users
- Assign G.S.I Controller units to irrigation projects
- Assign users to irrigation projects

This section includes the following topics:

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Before you Begin

- make sure your Galcon distributor has provided you with a user name and password. Your user must be assigned with either Project Admin role or Multi-Project Admin role to access the Admin module.
- To access the Admin module, log in to the G.S.I web application at https://gsi.galconc.com. and enter your user name and password.

  If the Install Microsoft Silverlight message appears, follow the on-screen instruction to install Microsoft Silverlight.

Quick Start Guide

This section describes the very basic steps required to get an irrigation project up and running. To start working with the Galcon Web Application, you need to complete the following tasks:

Step 1 - Creating a New Project

A project is where you manage your irrigation units and programs. When you log in to the Web Application, the project home page is your starting point to all irrigation activities.

1. If you are not logged in, log in to the G.S.I Web Application at: https://gsi.galconc.com using your user name and password.
2. From the top menu, click Admin > Project.
3. In the Projects List on the left, click Add > Create New Project (site).
4. Type in a name for your project, select a time zone, and click Save.

   For more information about projects and hierarchies, see "Working with Projects" on page 7.

Step 2 - Linking a Unit to the New Project

You now need to assign your G.S.I Controller unit or units to your project so that they appear in the project home page and you can start program them. Typically, new units that you have purchased appear in the Root folder. To assign them to your project:

1. Select that project that you have created in the Project list.
2. In the Units list, click

and in the Add Units dialog that appears, make sure that the Unlinked option is selected.
3. Select your unit and click Save.

   By default, the unit name at this point is its serial number. You can change the unit name and set other properties later.

   For more information about modifying unit settings, see "Modifying Unit Settings" on page 17

Step 3 - Creating a New User

The last step is to define the project users - project users can log into the project and perform tasks such as defining irrigation programs, monitoring irrigation flow, and handling alerts.

1. In the Users who can see this Area/Project list on the right, click Create New User.
2. In the New User dialog that appears, enter the required information and Click Submit.

   The new user is automatically linked to the project you have created.
3. Repeat this step for as many users as you need.

   For more information about creating users and setting additional properties, see "Creating New Users" on page 19.

2. Working with Projects

When you access the G.S.I Controller web application for the first time, a root folder is already set up for you by Galcon. The root folder contains units that you have purchased from Galcon. To begin working, you need to create projects and link units to them.

A project is usually associated with a geographical location, but not necessarily. A folder is a convenient way to group together units that are either not assigned to a specific project, or have a common denominator. For example, all the units that belong to a specific customer.

You can also nest projects under each other and create a hierarchy of projects. This allows users of the higher project to see and access the underlying projects. The hierarchy of the projects is displayed in the Project List.

The following icons represent projects and folders in the application:

- Project

- Folder

This section provides the following information:

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Creating New Projects and Folders

As a Project Admin user, you can create new irrigation projects and folders. A project is usually associated with a geographical location, but not necessarily. A folder is a convenient way to group together units that are either not assigned to a specific project, or have a common denominator. For example, all the units that belong to a specific customer.

To create a new project or folder:

1. In the Project List, click Add and select Create New Folder or Create New Project.

   The Edit Folder or Edit Project dialog appears.

   If you want to nest the project under an existing project, select first the existing project and then click Add > Create New Project.

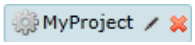
2. Type in a name for your folder or project and select the time zone.

3. Click Save.

Modifying Project Settings

With Project Admin user role, you can modify the project name and its time zone.

To modify the project settings

1. Hover over the project name and then click the Pencil icon 

when it appears.
The Edit Project dialog appears.
2. Change the project name and select a different time zone as required.

Units Section

The Units section lists the units that are currently linked to the selected project. If you select the Sub Folder checkbox, the list also shows units that are linked to projects defined **under** your project.

The following information is available for each unit:

Column	Description
No.	Number of the unit.
Name	Name of the unit as defined in the system.
SN	Unit serial number given by Galcon
Area Links	Number of projects that this unit is linked to. A unit can be linked to more than one project.
Model Name	Unit model in the following format: GSI [AC/DC] [no. of available valves]
Last Connection	Date and time stamp that the unit created a connection with the system.
Last Sync	Date and time stamp that the unit software was updated.
Version	Unit firmware version.
Sub Version	Unit software version.

From the Units section you can:

Edit Unit Settings

Click the Pencil icon to open the Edit Unit page in the Units area. See "Working with Control Units" on page 15.

View Unit Status

Click the Arrow icon to jump to the Unit Home page in the G.S.I web application.

Add Units to a Project

1. Select the project to which you want to add a unit.
2. Click Link Units and in the Add Units page that appears, select the units that you want to add.

Remove Units from a Project

To remove or unlink a unit from a project, the unit must be linked to the project. You cannot remove units that are not directly linked to the selected project, or that are linked to projects under the selected project.

1. Select the project from which you want to remove the unit.
2. Select the unit or units you want to remove.
3. Click Unlink Units.

Search for Units

Use the Search box to search for units.

1. Type in the search text. The search text can be the unit name or part of it and the unit serial number or part of it.
2. Click Search.

Create New Units

Creating new units is an operation that is reserved to Galconpersonel. If you require a new unit, contact Galcon representative for more information.

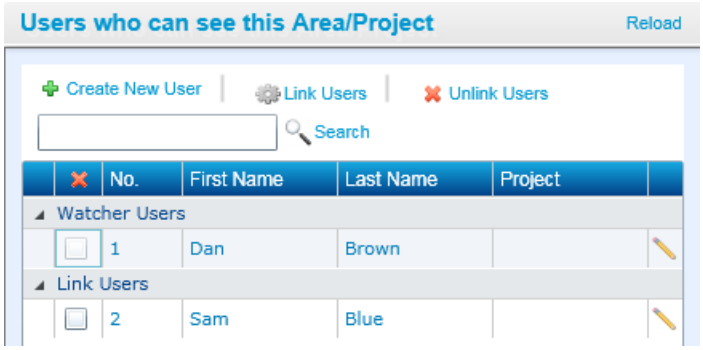
Users Who Can See this Area/Project

This table provides two lists of users that can see your project:

- **Watcher Users** - users that are linked to a higher project in the Project Hierarchy. For example, user John is linked to the root project. You create the project "MyProject" under the root project. User John automatically becomes a Watcher User in your project.

  You cannot remove Watcher users from your project and you cannot set them to receive alert notifications.

- **Link Users** - users that you link directly to your project. You can remove these users from the list and set them with alerts notifications.



From the Users table, you can:

Add Users to the Linked Users list

You can add any user in the system to your Linked Users list. Users that are linked to your project can see your project and operate in it depending on their user role.

A Watcher user that is linked to a project no longer appears in the Watcher Users list.

To add users:

1. Select the project to which you want to add users.
2. Click Link Users .
3. Select the users you want to add in the Users List that appears and click Save.

   The users are now linked to your project.

Remove Users from the Linked Users List

You can remove users from the Linked Users list. If you remove a user that is also a Watcher user, the user remains in the Watcher Users list.

To remove users:

4. Select the project from which you want to remove users.
5. Select the user that you want to remove from the **Linked Users section** and click Unlink Users.

   The user is deleted from the list and cannot view or operate in this project. You can still find this user in the Users area.

Create New Users

From the Project page, you can quickly create new users with essential data and link them to the selected project **at the same time**. When you create users in this way, you define some basic user data and the application sets all the rest of the user data with default values.

To create new users:

1. Click Create New User.
2. In the New User dialog that appears, enter the required information and Click Submit.

   To set additional details for the new user, see "Creating New Users" on page 19.

Edit User Settings

Click the Pencil icon next to the user that you want to edit to open the Edit User page. For more information, see "Modifying User Settings" on page 20.

3. Working with Control Units

The Control Units page displays all the units you have purchased from Galcon.

In the Units List on the left, you can view, search, and filter the list for linked or unlinked units.

In the Edit Unit on the right, you can modify unit settings, delete units, and create new units.

This section provides the following information:

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Searching for Units

You can search the Units list using the Search field above the list:

Type in any text and click the

icon.

You can also use the Unlinked or Linked checkboxes at the top to quickly filter the list to show only linked or unlinked units, or both.

Modifying Unit Settings

If you have the appropriate user role, you can edit unit settings in the Edit Unit section of the Units page:

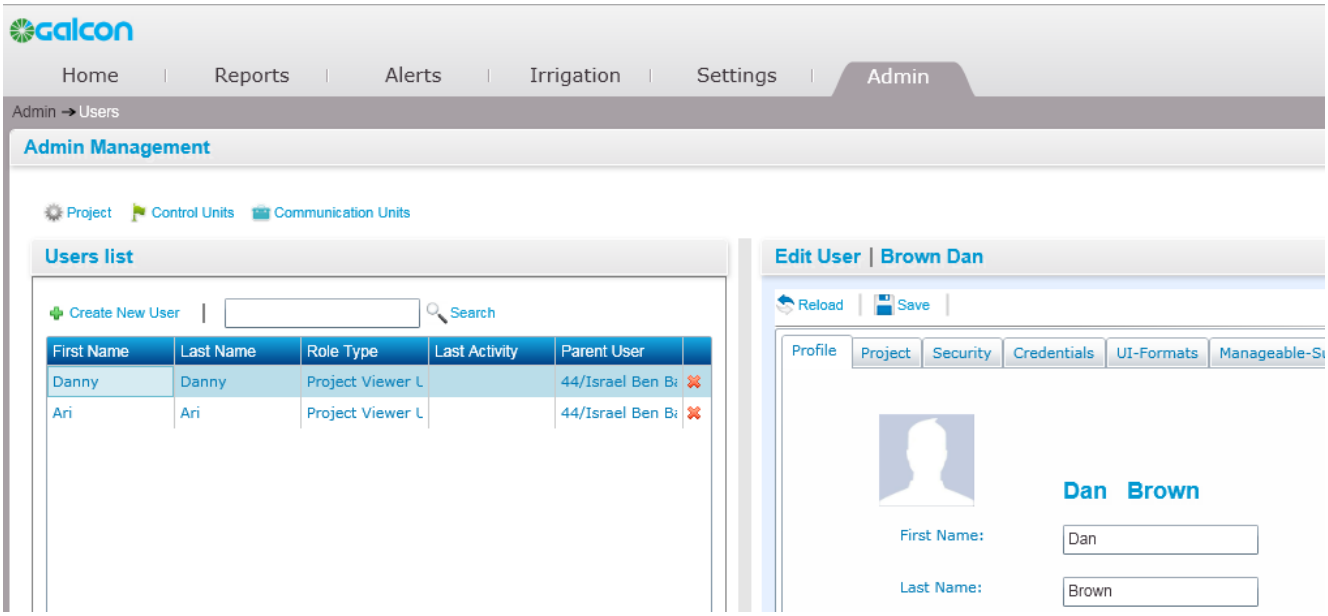
Select the unit you want to edit from the Units List on the left. In the Edit Unit section, you can modify the Unit Name, Phone, and Time Zone fields. You can view additional unit info in the Project and Info tabs:

- **Project** tab - displays the project to which the unit is linked. You can also click the Edit Project Hierarchy icon

to link the unit to other projects, or unlink it from the current project.
- **Info** tab - displays additional unit data relevant for Galcon field engineers.

4. Working with Users

The Users page lets you create new users and modify existing user settings.



In the Users List on the left, you can view and search the users that are defined under your user name.

In the Edit User section on the right, you edit the selected user settings.

This section provides the following information:

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Creating New Users

To create a new user:

1. Click Create New User in the Users List.

   The New User dialog appears.

2. Type in the information for this user: First Name, Last Name, User Name, and Password.

3. Select a role for the user. Each role assigns specific privileges as detailed below:

   - Project Viewer User - viewing privileges only. User cannot modify, add, or delete anything in the project.
   - Project User - operational privileges. User can modify unit settings, irrigation programs, modify valves.
   - Project Admin - basic administrator privileges allowing creating users, modifying users, and modifying project settings and alerts. In addition, all the privileges granted to Project Users.
   - Multi -Projects Admin - administrator privileges allowing creating projects and areas, linking and unlinking users, and linking and unlinking units. In addition, all the privileges granted to Project Admins.

     See "Modifying User Settings" on page 20 for complete list of user roles and privileges.

4. Click Submit.

Modifying User Settings

Once you have created your users, you can edit additional user settings in the Edit User section.

To edit user settings:

1. Select a user from the Users List.
2. In the Edit User section on the right, click each tab and enter the required information as follows:

Profile Tab

Field	Description
First Name	Type in user first name.
Last Name	Type in user last name.
Mobile	Type in user mobile phone number.
Office	Type in office phone number
Email	Type in user email.
Send Mail Alerts	Check to enable the user to receive alerts via email.
Time Zone	Select the user time zone.
Creation Date Last Login Date Last Activity Date	View-only fields that provide information about the user activity in the system.

Project Tab

Field	Description
Edit Project Hierarchy	Click to select projects that the user is allowed to view and operate.
Name	Displays the project to which the user is linked.

Security Tab

Field	Description
Basic Role	Select a user role for the user. You cannot select a higher role than your own user role. **Project Viewer User** — Viewing privileges only. **Project User** — Change status project; Modify unit general settings; Modify unit alert settings; Marking unit alerts; Change status unit; Modify program; Modify valve; Create user; Modify other user **Project Admin** — Delete other child user; Modify project settings; Modify project alert settings; Create project; Link users to area; Unlink users to area; Link units to area **Multi-Projects Admin** — Unlink units to projects; Create area; Modify area; Delete area; Delete other child user To see the tasks, point to the Key icon ..
Effective Permissions granted to user...	List of permissions that you can assign ad-hoc to the user. Note that you cannot see or set permissions that are not included in your role.

Credentials Tab

Field	Description
IsEnabled	Select to define the user as an active user in the system.
Always Valid	Select this option to set permanent user credentials. You can limit the user operation to a specific time range by setting the Valid From Date and Valid To Date fields.

Field	Description
Unlimited Sessions	Select this option to set unlimited number of concurrent sessions. You can limit the number of sessions by clearing this option and entering a value in the Concurrent Sessions field.
Reset Credentials	Resets the user name and password: 1. Select the credentials you want to reset (user name, password, or both) 2. Type in the credentials 3. Click Change.

UI-Formats Tab

Field	Description
UI Format	Select the language in which the user views the interface. The language you set affects the way dates and time stamps appear in the application.
Use Custom Water Unit	Select this option to set a custom water unit for the user Select the unit from the list. Available options are: **Liters**, **m3** (cubical meter), and **Gallon**.

Manageable Sub-Users Tab

Field	Description
Direct Users	Displays a list of users that you have created. You can modify the settings for the users that you have created. Click the Refresh icon to refresh the list.
Extra Users	You can add users that this user did not create: 1. Click Add User and select the users from the list. 2. Click Save. Click the Refresh icon to refresh the list.

Alert Settings Tab

Field	Description
Low Flow	Sets a low flow alert.
High Flow	Sets a high flow alert.
No Water Flow	Sets a now water alert.
Water leak	Sets a water leak alert.

3. Click Save.

5. Communication Units

The Communication Units page provides information about the communication component inside the Galcon G.S.I Controller units.

The following table lists the information available for each unit.

Column	Description
SN	Unit serial number.
Creation Date	Unit creation date.
Update Date	Date unit software was updated.
Last Connection	Date and time stamp that the unit created a connection with the system.
Next Connection	Date and time for the next scheduled connection.
Version	Communication unit firmware version.
Sub Version	Communication unit software version
Model	Represents the unit model:
Active	Indicates whether the unit is active or not.
	Opens the Edit Communication Unit dialog where you can set cellular and network settings. **Note:** we recommend contacting Galcon before modifying communication unit settings.

Editing Communication Units

In the Communication Units list, you can edit communication unit settings by clicking the Pencil icon next to the unit you want to edit. The Edit Communication Unit dialog allows you to edit cellular and network settings of the unit.

Important:	Editing the settings of the communication units can affect the operation of your G.S.I Controller units. We recommend that you contact Galcon before modifying these settings.

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