

MOBILE APP SERVER

Setup Guide for Commercial Systems

Welcome to SageGlass! This guide explains how to configure the SageGlass System and use the mobile app to control your windows.

DOWNLOAD SAGEGLASS MOBILE APP

Download the SageGlass Mobile App (search “sageglass” on Google Play or in Apple’s App Store). Then proceed to “Connecting to the SageGlass App Server” on page 3 to configure the SageGlass System.



The following definitions will be helpful background information as you use this guide. See the illustration on the next page for more information.

SageGlass Mobile App—used to control SageGlass windows from a mobile device.

SageGlass System—includes:

- a the SageGlass windows installed in your building
- b the SageGlass App Server
- c a web-enabled device (smartphone, tablet, laptop) connected to the SageGlass System

Location—a customized name that indicates the physical location(s) of the SageGlass windows.

Zones—groups of SageGlass windows, usually near each other, that are controlled as one. For example, Zone 1 might be one set of windows in the CEO’s office, while Zones 16, 17, 18 are South-facing rows of windows in the conference room, and Zone 20 is the windows in the cafeteria. The Zone’s tint level (and other parameters) can be controlled using the Mobile App.

Scenes—pre-set tint levels that can be applied to multiple zones. Scenes allow frequently used commands to be easily applied from the Mobile App.

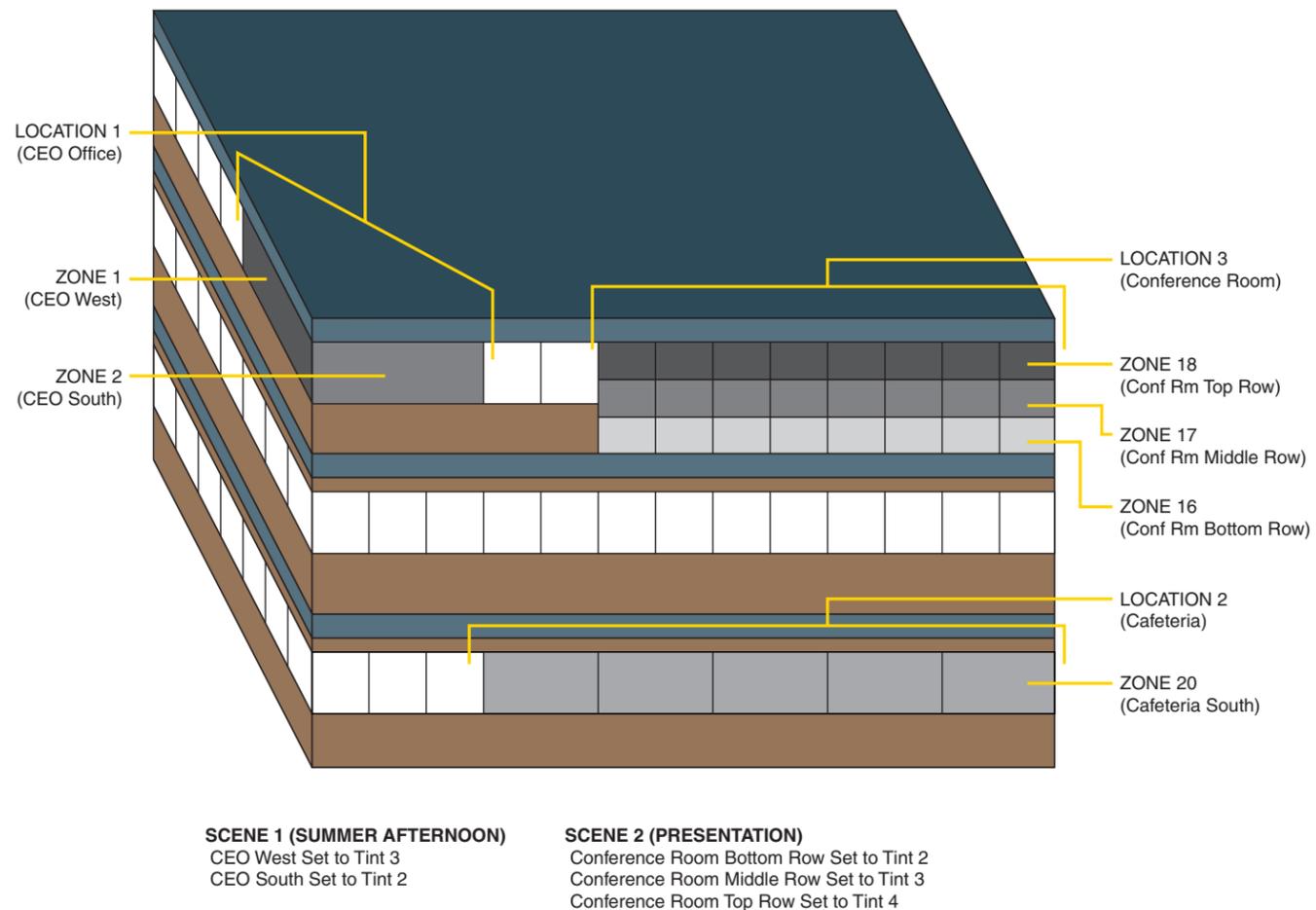
Auto Mode—SageGlass windows tint based on outside light levels. Auto Mode can be overridden by the mobile app, but windows will return to Auto Mode after a specified length of time.

Setpoint—Sets the desired interior light level for a room during Auto Mode.



SAGEGLASS TERMS

See the image below for an explanation of what some of the SageGlass terms (location, zone, scene) mean in relation to your building.



This document explains how to fully customize your SageGlass system.

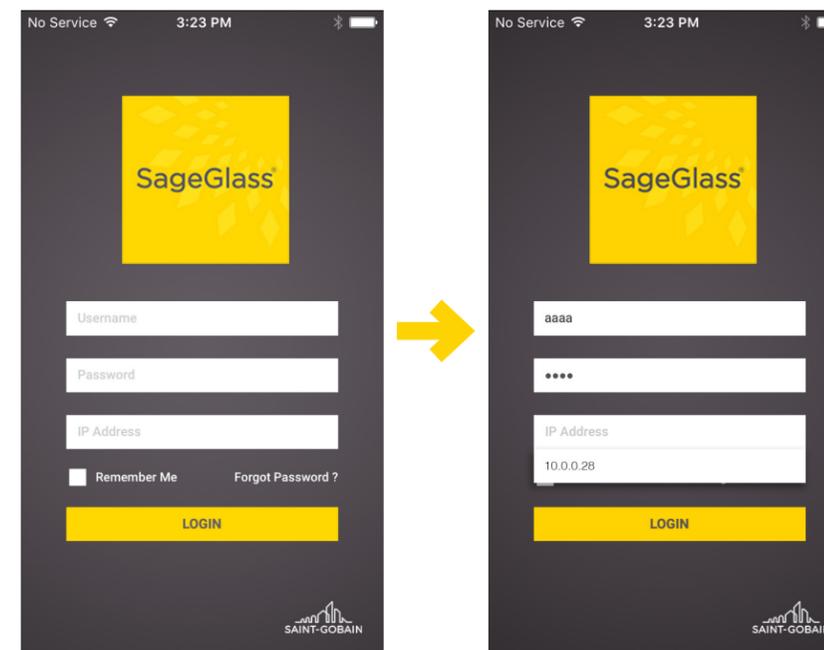
CONNECTING TO THE SAGEGLASS APP SERVER

You need the IP address of the SageGlass App Server to set up the SageGlass System for access using the mobile app. If you have the IP address, skip to step 4 below.

If you don't have easy access to the IP address, you can find it by following these steps.

LOG INTO THE SAGEGLASS SETUP SOFTWARE

- 1 Be sure the mobile device you installed the SageGlass app on is connected to the same Wi-Fi network as the SageGlass App Server.
- 2 Open the SageGlass app.
- 3 On the login screen, enter "aaaa" as username and "bbbb" as password, then touch the IP address field.
 - The app will search the wireless network for the SageGlass App Server.
 - When it finds the SageGlass App Server, it will display the SageGlass App Server's IP address.

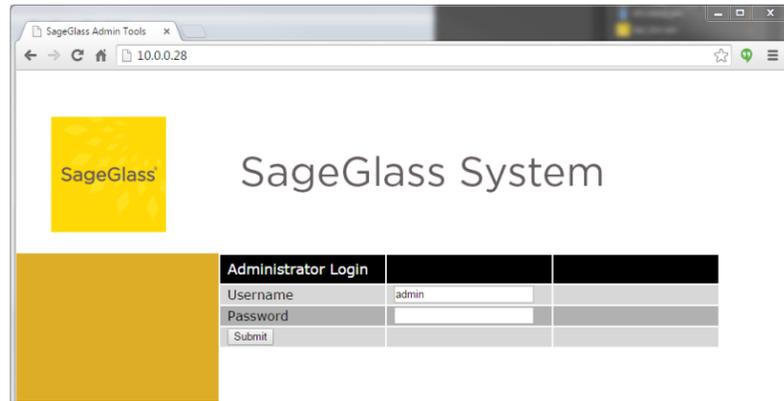


- 1 Open a web browser. You can do this on any computer or web-enabled device, but setup is easier to do with a keyboard. If you use a mobile device, it must be connected to the same Wi-Fi network as the SageGlass App Server. If you use a computer, it should either be on the same Wi-Fi network or connected with Ethernet cable to the same router as the SageGlass App Server.
- 2 Type the SageGlass App Server's IP address into the web browser's navigation bar.

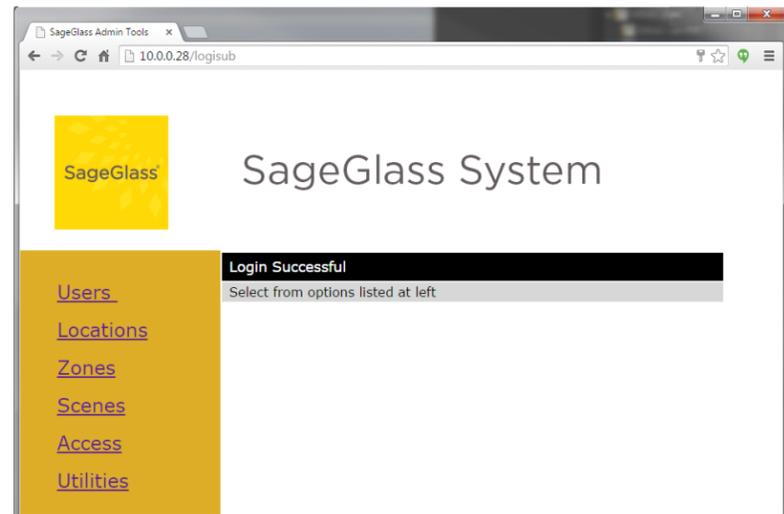
Note: Your IP address will likely be different than the one shown below.



3 The login screen will appear. Enter the default username admin and password password and click Submit.



4 The navigation menu will appear.



5 From here you can navigate to the various sections to create and edit users and settings.

It is recommended that these sections be completed in order of appearance:

- a create the users
- b define the locations
- c define zones and/or scenes and assign them to locations
- d assign rights for each user
- e use utilities to restart the SageGlass App Server software to confirm all modifications have been made (Utilities has other functions as well).

Continue with configuration steps on the next page.

CUSTOMIZING THE SAGEGLASS SYSTEM

In this section you will create users, locations, zones, and scenes. This will allow you to custom control your SageGlass System.

USERS

Users are the people who can access your SageGlass System using the Mobile App.

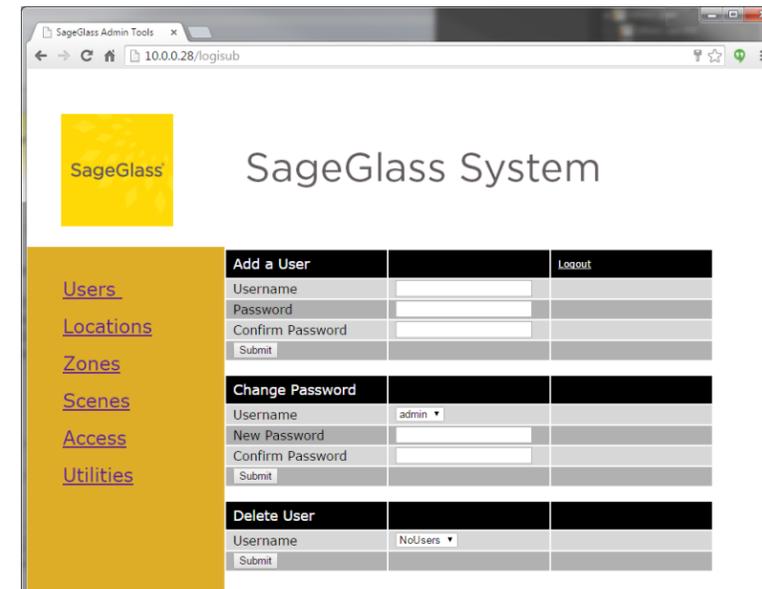
Note: More than one person can use the same user name.

This section explains

- adding new users
- changing user passwords
- deleting users

ADDING A NEW USER

1 Click Users in the main menu.



2 Type in a username and password (twice) and click Submit.

The username can be between 4 and 20 characters long; the password can be between 4 and 10 characters long.

Add a User		Logout
Username	ITAdmin	
Password	*****	
Confirm Password	*****	
Submit		

You will get a message saying that the new user was added successfully.

CHANGING A USER'S PASSWORD

- 1 Click Users in the main menu.
- 2 Select a username from the dropdown list and type in the new password (twice), then click Submit.
The password can be between 4 and 10 characters long.

Change Password	
Username	ITAdmin ▾
New Password
Confirm Password
Submit	

You will get a message saying that the password has been successfully changed.
Note: This also works for the "admin" user.

DELETING AN EXISTING USER

- 1 Click Users in the main menu.
- 2 Select the desired username from the dropdown list and click Submit.

Delete User	
Username	ITAdmin ▾
Submit	

You will get a message saying that the user has been successfully deleted.
Note: The admin user cannot be deleted.

LOCATIONS

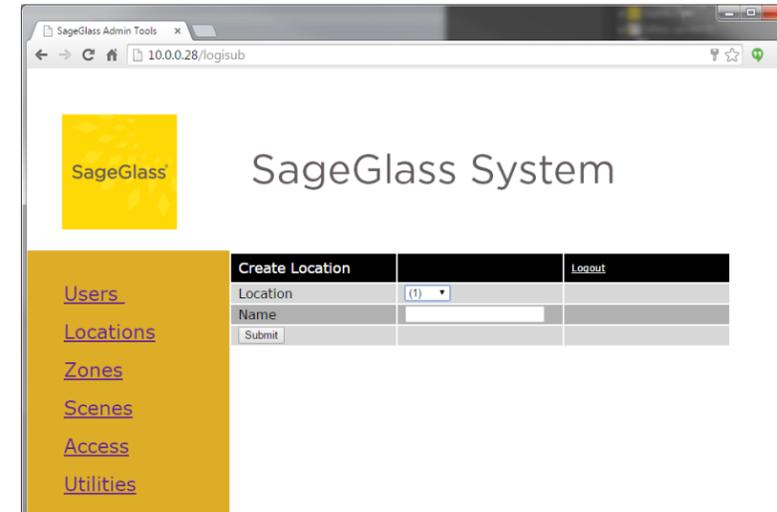
The location is the name you give to the physical location of the SageGlass windows. These should clearly differentiate the areas: office names or numbers, floors, cardinal directions, easily identified areas, etc.

This section explains

- creating new locations or renaming locations

ADDING A NEW LOCATION

- 1 Click Locations in the main menu.



The screenshot shows the SageGlass Admin Tools interface. On the left is a navigation menu with links for Users, Locations, Zones, Scenes, Access, and Utilities. The main content area displays the 'Create Location' form. The form has a 'Location' dropdown menu with '(1)' selected, a 'Name' text input field, and a 'Submit' button. A 'Logout' link is visible in the top right corner of the form area.

- 2 Select the first available unused number from the dropdown list.
- 3 Type in the name of the new location and click Submit.
The location name can be between 4 and 20 characters long.

Create Location		Logout
Location	(1) ▾	
Name	CEO Office	
Submit		

You will get a message saying that the location has been successfully added.
Note: Existing locations can also be renamed this way.

ZONES

Zones are groups of SageGlass windows, usually near each other, that are controlled as one. Zones can contain one or several windows. For example, Zone 1 might be one set of windows in the CEO's office, while Zone 20 is a West-facing row of windows in the cafeteria, and Zone 18 is the top row of windows in the conference room. Zones can be controlled using the mobile app, and used to create scenes.

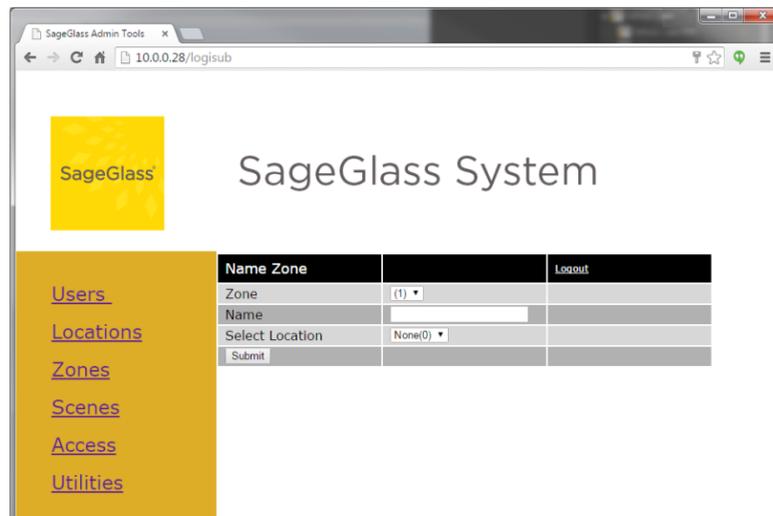
This section explains

- creating new zones and renaming zones

Note: You must create a location before a zone can be assigned to it.

CREATING A NEW ZONE

- 1 Click Zones in the main menu.



- 2 Select the first available unused zone number from the dropdown list and type in the zone name. The zone name can be between 4 and 20 characters long.
- 3 Select a location for this zone, then click Submit.

Name Zone		Logout
Zone	(1) ▼	
Name	CEO West	
Select Location	CEO Office(1) ▼	
Submit		

You will get a message saying that the zone was successfully created.

Note: Existing zones can also be renamed or reassigned to different locations this way.

SCENES

A Scene is a preconfigured setting that can be applied manually to multiple zones. Scenes make it easy to apply frequently used multi-zone commands from the mobile app. For example, one scene might change "Zone 18 to Tint 4, Zone 17 to Tint 3, and Zone 16 to Tint 2," while another scene changes all of several zones' windows to clear, and a third changes all of those windows to full tint.

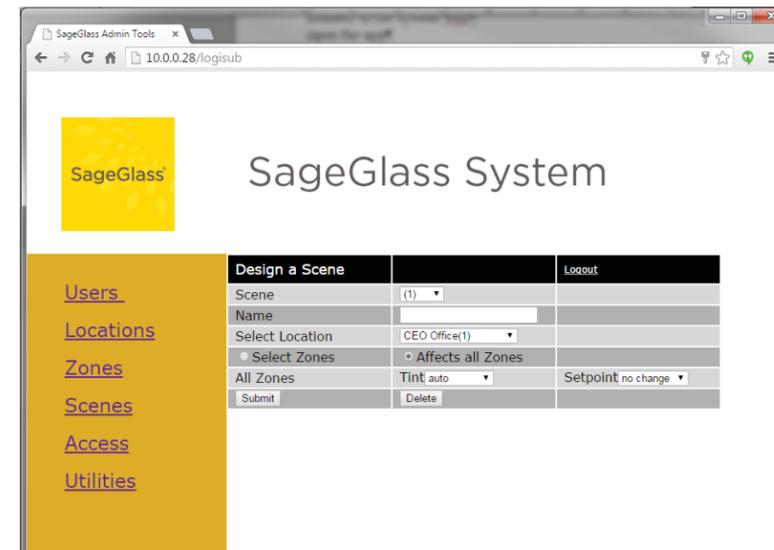
This section explains

- creating, naming, and configuring new and existing scenes

Scene commands differ from zone commands in that they can send commands to multiple zones at once.

ADDING A NEW SCENE

- 1 Click Scenes in the main menu.



- 2 Select the first available unused scene number from the dropdown list, type in a scene name, and select a location. The scene name can be between 1 and 20 characters long. Note: You must create the location before a scene can be assigned to it.

- 3 Select the zones you want the scene to apply to:
 - a Affects all zones applies the scene to all configured zones.

Design a Scene		Logout
Scene	(1) ▼	
Name	Summer Afternoon	
Select Location	CEO Office(1) ▼	
<input type="radio"/> Select Zones <input checked="" type="radio"/> Affects all Zones		
All Zones	Tint auto ▼	Setpoint no change ▼
Submit	Delete	

- b Select Zones displays a list of available zones. Check the zones you want to include in the scene.

Design a Scene		Logout
Scene	(1) ▼	
Name	Summer Afternoon	
Select Location	CEO Office(1) ▼	
<input type="radio"/> Select Zones <input checked="" type="radio"/> Affects all Zones		
<input checked="" type="checkbox"/> CEO West(1)	Tint 3 ▼	Setpoint no change ▼
<input checked="" type="checkbox"/> CEO South(2)	Tint 2 ▼	Setpoint no change ▼
<input type="checkbox"/> (3)		
<input type="checkbox"/> (4)		
<input type="checkbox"/> (5)		

- 4 Select Tint(s) and Setpoint(s) from the dropdown lists.
 Tint represents manual control commands. For example, if you had a programmable thermostat in your office but wanted it a few degrees warmer, changing the set temperature is like changing the tint. After a set amount of time, the windows return to auto. There are 6 possible Tint settings:

Setting	Description
no change	There is no change to the tint level. This is used when a setpoint only change is to be made.
auto	Returns the zone to Auto Mode
1 (clear)	Fully clears the zone. No tint is applied.
2	Sets the zone to approximately 1/3 of full tint
3	Sets the zone to approximately 2/3 of full tint
4 (full)	Fully tints the zone

Setpoint defines the amount of sunlight desired for the room. Continuing the thermostat example, the setpoint is like the programmed temperatures your office is heated/cooled to throughout the day. Setpoints set the desired interior light levels during Auto Mode. There are 5 possible Setpoint options:

Setting	Description
no change	There is no change to the setpoint. This is used when a tint only change is to be made.
1 (lightest)	Setpoint that allows the most sunlight into the room.
2	Setpoint that allows approximately 1/3 less sunlight than the lightest setting.
3	Setpoint that allows approximately 2/3 less sunlight than the lightest setting.
4 (darkest)	Setpoint that allows the least sunlight into the room.

- 5 When all of the selections have been made to the zones and their tint/setpoint, click Submit.
 You will get a message stating that the scene has been successfully saved.
 Note: You can edit existing scenes the same way.

ACCESS

This section explains how to set user access rights.

This step includes the ability to set zone and scene access permissions for users.

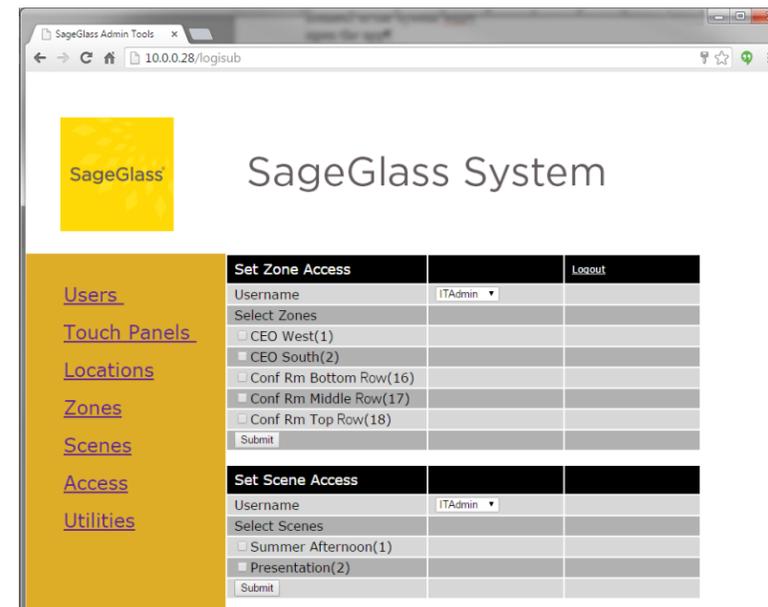
This section explains

- setting zone and scene access

Note: It is REQUIRED that access be defined for each user. If you create a new user but don't assign access rights, that user will exist but will be unable to control any zones or scenes.

SETTING ZONE ACCESS

- 1 Click Access in the main menu.



- 2 Select the user name from the dropdown list.
- 3 Select the zones you want this user to access, then click Submit.

Set Zone Access		Logout
Username	CEOuser ▼	
Select Zones		
<input checked="" type="checkbox"/> CEO West(1)		
<input checked="" type="checkbox"/> CEO South(2)		
<input checked="" type="checkbox"/> Conf Rm Bottom Row(16)		
<input checked="" type="checkbox"/> Conf Rm Middle Row(17)		
<input checked="" type="checkbox"/> Conf Rm Top Row(18)		
<input checked="" type="checkbox"/> Cafeteria South(20)		
Submit		

You will get a message saying that the permissions change was successful.
 Note: Existing user access can also be changed this way.

SETTING SCENE ACCESS

- 1 Click Access in the main menu.
- 2 Select the user from the dropdown list.
- 3 Check the scenes you want this user to access, then click Submit.

Set Scene Access	
Username	CEOuser ▼
Select Scenes	
<input checked="" type="checkbox"/> Summer Afternoon(1)	
<input checked="" type="checkbox"/> Presentation(2)	
Submit	

You will get a message saying that the permissions change was successful.

Note: Existing user access can also be changed this way.

UTILITIES

This section explains

- restarting the SageGlass App Server software

Restarting the SageGlass App Server software

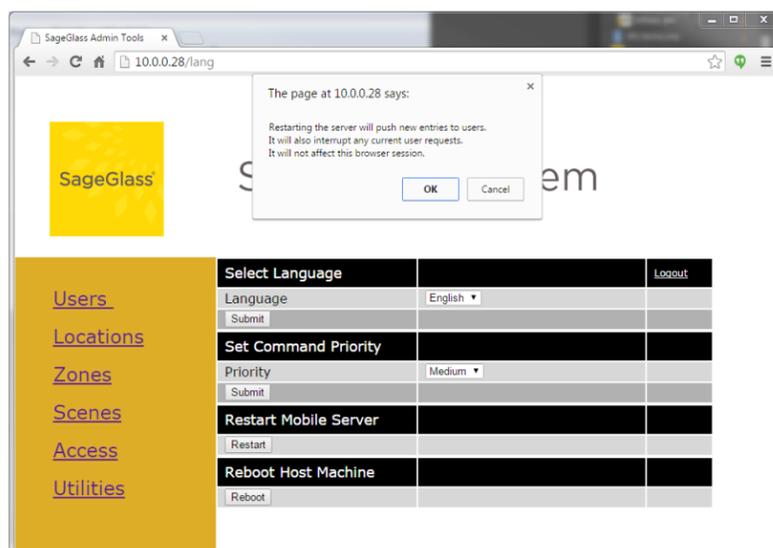
For any modifications made using the steps in the “CUSTOMIZING THE SageGlass SYSTEM” section, the SageGlass App Server software must be restarted for the changes to take effect.

- 1 Make all of the desired changes (such as adding a new user or scene).
- 2 Click Utilities in the main menu.
- 3 Click Restart.

Restart Mobile Server	
Restart	

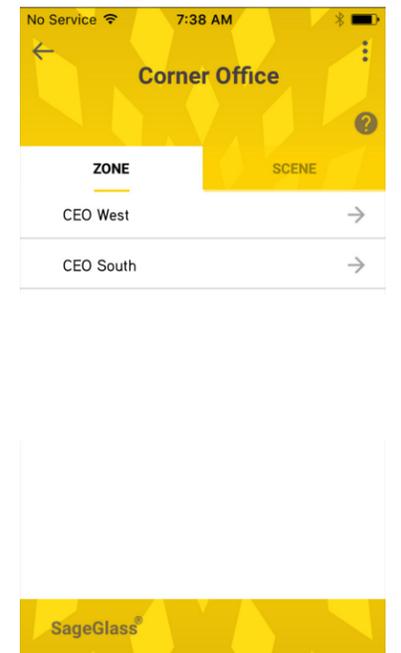
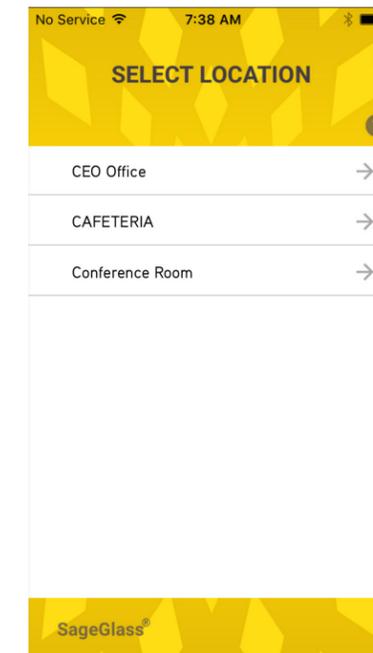
You will get a message saying that the server will be restarted, but it will not affect the current web browser session.

- 4 Click OK to restart; click Cancel to cancel the operation.

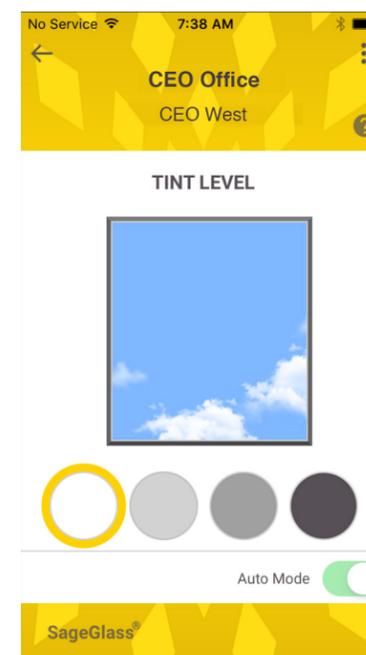


LOG INTO THE SAGEGLASS APP AS A NEW USER

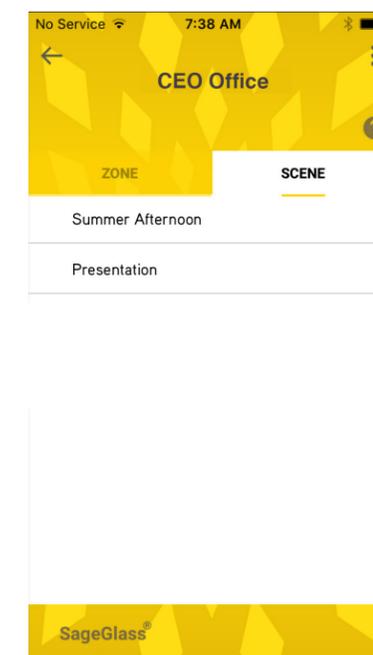
- 1 Open the SageGlass app.
- 2 Log in using one of the new usernames and passwords you created in “Adding a new user” on page 5.
- 3 Select your location, if necessary.
- 4 Select a zone.



- 5 Select a tint. You're now in manual override. After a set amount of time, the zone will return to auto mode.



- 6 To select a Scene, toggle between Zone and Scene views by tapping the Zone or Scene tabs at the top of the screen. To apply a Scene, press it in the list.



Congratulations, you're done.

Refer to this guide to make additional changes to your SageGlass System.

SageGlass®

GET IN TOUCH

SageGlass® is the pioneer of the world's smartest dynamic glass and is transforming the indoor experience for people by connecting the built and natural environments. Electronically tintable SageGlass tints or clears on demand to control sunlight and prevent heat and glare without the need for blinds or shades. SageGlass dramatically reduces energy demand and the need for HVAC by blocking up to 91 percent of solar heat. As part of Saint-Gobain, SageGlass is backed by more than 350 years of building science expertise that only the world leader in sustainable environments can provide.

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