



BEA LZR-SIGMA Laser Complete People Counting Solution User Guide

[Home](#) » [BEA](#) » BEA LZR-SIGMA Laser Complete People Counting Solution User Guide 





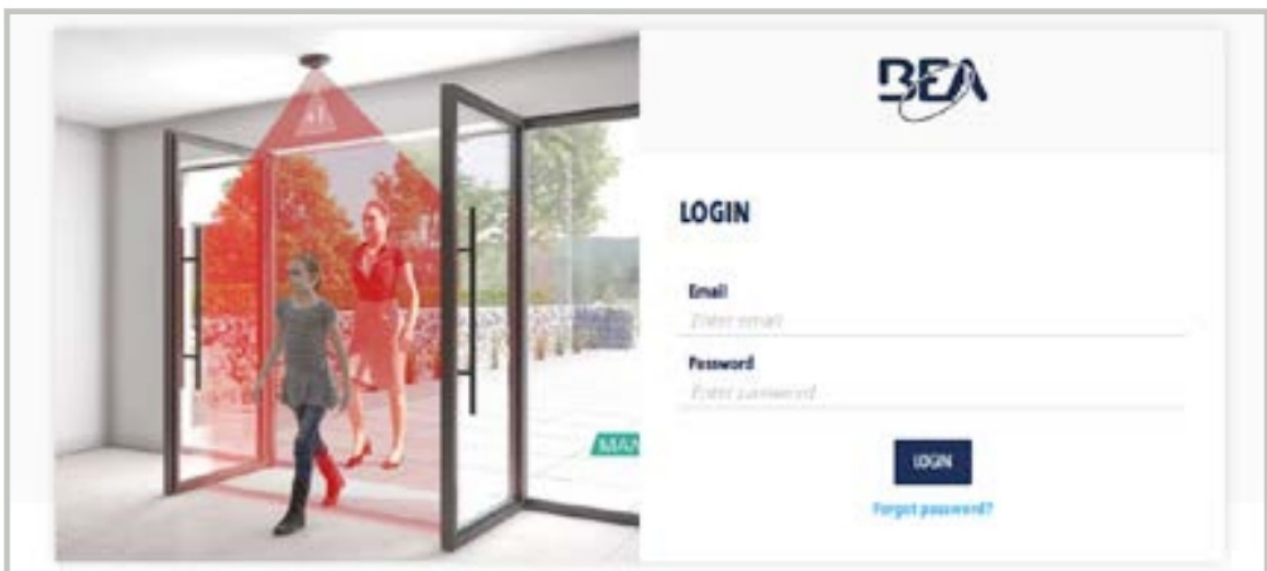
Contents

- 1 LZR-SIGMA Laser Complete People Counting Solution
- 2 INTRODUCTION
- 3 LOGIN SCREEN
- 4 HOME PAGE
- 5 DEVICES TAB
- 6 USERS TAB
- 7 ACCESS PERMISSION RISK LEVELS
- 8 Documents / Resources
- 9 Related Posts

LZR-SIGMA Laser Complete People Counting Solution

[SENSORIO.COM](https://sensorio.com)

LZR® -SIGMA's online device and user management portal

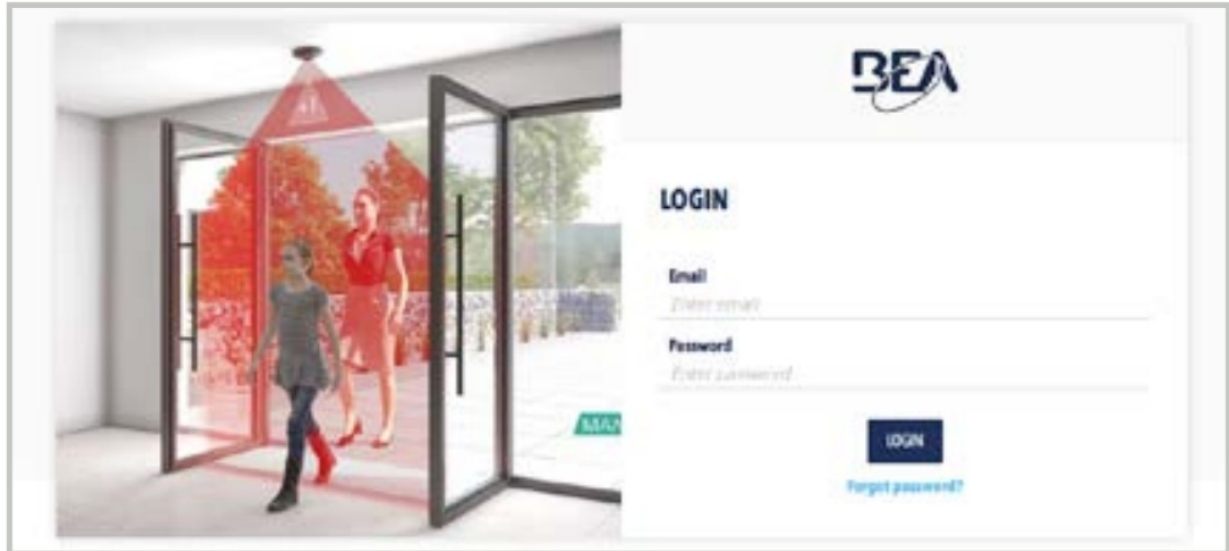


INTRODUCTION

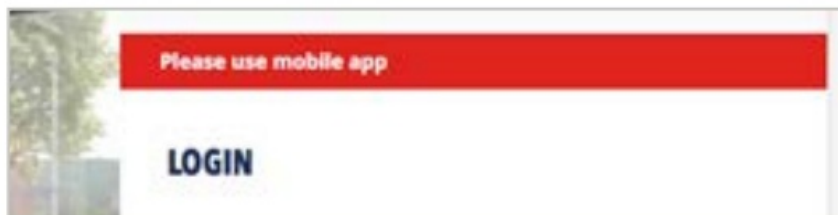
The purpose of this tutorial is to provide COMPANY ADMINISTRATORS and DEVICE MANAGERS with an overview of the online device and user management portal for LZR® -SIGMA.

LOGIN SCREEN

Only users with Company Administrator and Device Manager level access have access to the portal.



Any user with Installer and Enduser level access will receive a prompt to use the LZR®-SIGMA mobile app.



Any user assigned “No Access” will receive a “No access” message.



HOME PAGE

ACCESS TYPES:

- Company Administrator
- Device Manager

1

DEVICES

2

USERS

3

EXTERNAL DATA ACCESS (API)

5

6

7

Search

4

| | STATUS | DEVICE ID | COMPANY (SITE) | COUNTRY (CITY) | INST. ON | INST. BY | DATA PUS H |
|--------------------------|--------------------------------------|-----------|--------------------------------|-----------------------------|-------------------|----------------|--------------|
| <input type="checkbox"/> | ● | H6E7CB | Discount Groceries (Store S-4) | United States (Pittsbu rgh) | 10 August 2020 | Chris Rigetti | - |
| <input type="checkbox"/> | ● | H6681A | BEA Inc. (BEA Occupa ncy Test) | United States (Pittsbu rgh) | 11 June 2020 | Tim Chiappetta | - |
| <input type="checkbox"/> | ● | H7B5F1 | BEA Inc. (BEA Occupa ncy Test) | United States (Pittsbu rgh) | 10 June 2020 | Tim Chiappetta | - |
| <input type="checkbox"/> | ● | HAEC63 | Discount Groceries (Store 27) | United States (Pittsbu rgh) | 9 June 2020 | Chris Rigetti | - |
| <input type="checkbox"/> | ● | H7AA19 | BEA Inc. (BEA US HQ) | United States (Pittsbu rgh) | 5 May 2020 | Tim Chiappetta | - |
| <input type="checkbox"/> | ● | HC43AB | BEA Inc. (BEA US HQ) | United States (Pittsbu rgh) | 30 April 2020 | Tim Chiappetta | BEAAnalyd cs |
| <input type="checkbox"/> | ● | H85B4B | - | - | 12 February 202 0 | Chris Rigetti | - |

21 DEVICES

● Online 7
 ● Online Ethernet 2
 ● Offline 10
 ● Offline Ethernet 2

8

1. Device management tab
2. Users management tab
3. API management tab
4. Search/Filter bar

5. Click for user information.
6. Click for your integrator company's
7. General search
8. Sidebar tools appear here.

DEVICES TAB

This page displays all LZR-SIGMA devices assigned to your Integrator account.

1

DEVICES

2

USERS

3

EXTERNAL DATA ACCESS (API)

5

6

7

Search

4

| | STATUS | DEVICE ID | COMPANY (SITE) | COUNTRY (CITY) | INST. ON | INST. BY | DATA PUS H |
|--------------------------|--------------------------------------|-----------|--------------------------------|-----------------------------|-------------------|----------------|--------------|
| <input type="checkbox"/> | ● | H6E7CB | Discount Groceries (Store S-4) | United States (Pittsbu rgh) | 10 August 2020 | Chris Rigetti | - |
| <input type="checkbox"/> | ● | H6681A | BEA Inc. (BEA Occupa ncy Test) | United States (Pittsbu rgh) | 11 June 2020 | Tim Chiappetta | - |
| <input type="checkbox"/> | ● | H7B5F1 | BEA Inc. (BEA Occupa ncy Test) | United States (Pittsbu rgh) | 10 June 2020 | Tim Chiappetta | - |
| <input type="checkbox"/> | ● | HAEC63 | Discount Groceries (Store 27) | United States (Pittsbu rgh) | 9 June 2020 | Chris Rigetti | - |
| <input type="checkbox"/> | ● | H7AA19 | BEA Inc. (BEA US HQ) | United States (Pittsbu rgh) | 5 May 2020 | Tim Chiappetta | - |
| <input type="checkbox"/> | ● | HC43AB | BEA Inc. (BEA US HQ) | United States (Pittsbu rgh) | 30 April 2020 | Tim Chiappetta | BEAAnalyd cs |
| <input type="checkbox"/> | ● | H85B4B | - | - | 12 February 202 0 | Chris Rigetti | - |

21 DEVICES

● Online 7
 ● Online Ethernet 2
 ● Offline 10
 ● Offline Ethernet 2

8

Status of all of your LZR-SIGMA devices

● Online
 ● Error
 ● Offline
 ● Deactivated

DEVICE INFORMATION

These sidebar tabs are used to customize device information. You may select one or more devices to be customized simultaneously.

Sensorio Logged in as: John Doe (SIGMA Analytics) Logout

DEVICES USERS

Search

| 1 | STATUS | DEVICE ID | COMPANY (SITE) | COUNTRY (CITY) | INST. ON | INST. BY | DATA PUSH |
|---|--------|-----------|------------------------------|----------------------------|------------|--------------|-------------|
| | ● | X0005E | - | - | - | - | - |
| | ● | X0005F | - | - | - | - | - |
| | ● | X0005D | BEA Analytics (Pittsburgh) | United States (Pittsburgh) | 29/05/2018 | Chris Rigatt | TH |
| | ● | X00059 | BEA Analytics (Headquarters) | United States (Pittsburgh) | 23/07/2018 | Jeff Boyd | TH |
| 1 | ● | X00060 | bea (bea) | United States (Pittsburgh) | 21/03/2019 | Mike Brazier | CR Test CSV |

3 DEFINE COMPANY
4 DEFINE SITE
5 DEFINE DATA PUSH
6 DEACTIVATE DEVICES
7 FACTORY RESET
8 PARTIAL RESET
9 EXPORT EXCEL FILE
10 1 SELECTED DEVICES
● Online: 1
● Offline: 4

1. MODIFY MULTIPLE DEVICES: Selecting the device(s) will allow access to the sidebar tools, allowing you to modify several at once.
2. MODIFY A SINGLE DEVICE: Click on the device's ID to modify existing information (see page 10).
3. end-user information
4. installation location information
5. data push setup for transferring data via FTP or SFTP
6. erases device or multiple devices
7. clears the height, left/right limits, and all device location information
8. clears height and left/right limits
9. exports sensor data
10. status of selected devices

DEVICE INFORMATION – Define Company

Company = name of end user's company or organization

Select from a list of existing companies

Define Company

Company

CONFIRM

+

Add new

CREATE COMPANY

Company name

Address

Contact name

Email

Phone

CONFIRM

DEVICE INFORMATION – Define Site

The first screenshot shows the 'DEFINE SITE' form. It has a sidebar with 'DEVICES' and 'DATA'. The main area has a 'Site' dropdown with 'Pittsburgh' selected. A green arrow points to a '+' icon with the text 'Select from a list of existing sites'. Another green arrow points to an 'Add new' button. A 'CONFIRM' button is at the bottom.

The second screenshot shows the 'CREATE SITE' form. It has a sidebar with 'DEVICES' and 'DATA'. The main area has a 'Site' dropdown with 'Pittsburgh' selected. The form fields are: 'Company name' (SEA), 'Site name' (empty), 'Site address' (empty), 'Contact name' (empty), 'Email' (empty), and 'Phone' (empty). A 'CONFIRM' button is at the bottom.

DEVICE INFORMATION – Define Data Push Agent

A data push agent is used to push data from SIGMA via FTP, SFTP, or HTTP POST methods. The max frequency for a data push is 1 minute. SIGMA also supports two other data transfer methods, via REST API and Live Count mode.

The first screenshot shows the 'DEFINE DATA PUSH AGENT' form. It has a sidebar with 'DEVICES' and 'DATA'. The main area has a 'Data push agent' dropdown with 'pm-bca' selected. A green arrow points to a '+' icon with the text 'Select from a list of existing data push agents'. Another green arrow points to an 'Add new' button. A 'CONFIRM' button is at the bottom.

The second screenshot shows the 'CREATE DATA PUSH AGENT' form. It has a sidebar with 'DEVICES' and 'DATA'. The main area has a 'Data push agent' dropdown with 'pm-bca' selected. The form fields are: 'Protocol' (FTP - CSV), 'Data push agent name' (empty), 'FTP URL' (empty), 'FTP port' (21), 'Directory' (empty), 'Login' (empty), 'Password' (empty), and 'Data frequency' (Every 15 minutes). A dropdown menu for 'Data frequency' is open, showing options: 'Every 15 minutes', 'Every 30 minutes', 'Every 1 hour', 'Every 2 hours', 'Every 3 hours', 'Every 4 hours', 'Every 5 hours', 'Every 6 hours', 'Every 7 hours', 'Every 8 hours', 'Every 9 hours', 'Every 10 hours', 'Every 11 hours', 'Every 12 hours', 'Every 13 hours', 'Every 14 hours', 'Every 15 minutes', 'Every 30 minutes', 'Every 1 hour', 'Every 2 hours', 'Every 3 hours', 'Every 4 hours', 'Every 5 hours', 'Every 6 hours', 'Every 7 hours', 'Every 8 hours', 'Every 9 hours', 'Every 10 hours', 'Every 11 hours', 'Every 12 hours', 'Every 13 hours', 'Every 14 hours', 'Every 15 minutes'. A 'CONFIRM' button is at the bottom.

DEVICE INFORMATION – Individual Device

If an individual device was chosen from the “DEVICE ID” column (see page 6), the following screen will appear.

●

DEVICE H7B5F1

Version: P30
Last communication date: 4 June 2021 - 9:34

Actions

MANAGE DEVICE LOCATION

MANAGE DEVICE

SET NETWORK SETTINGS

SET COUNTING PROOF

TAKE A SNAPSHOT

MANAGE DEVICE LOCATION

Company name

SEA Inc.

+

➔

Site name

SEA East

+

➔

Address

100 Enterprise Dr, Pittsburgh, PA 15275, USA

Entrance movement type under SISMA

Without swing door movement




Entrance type

Sliding door

Installation zone

Main entry

Photos



Environment

Indoor

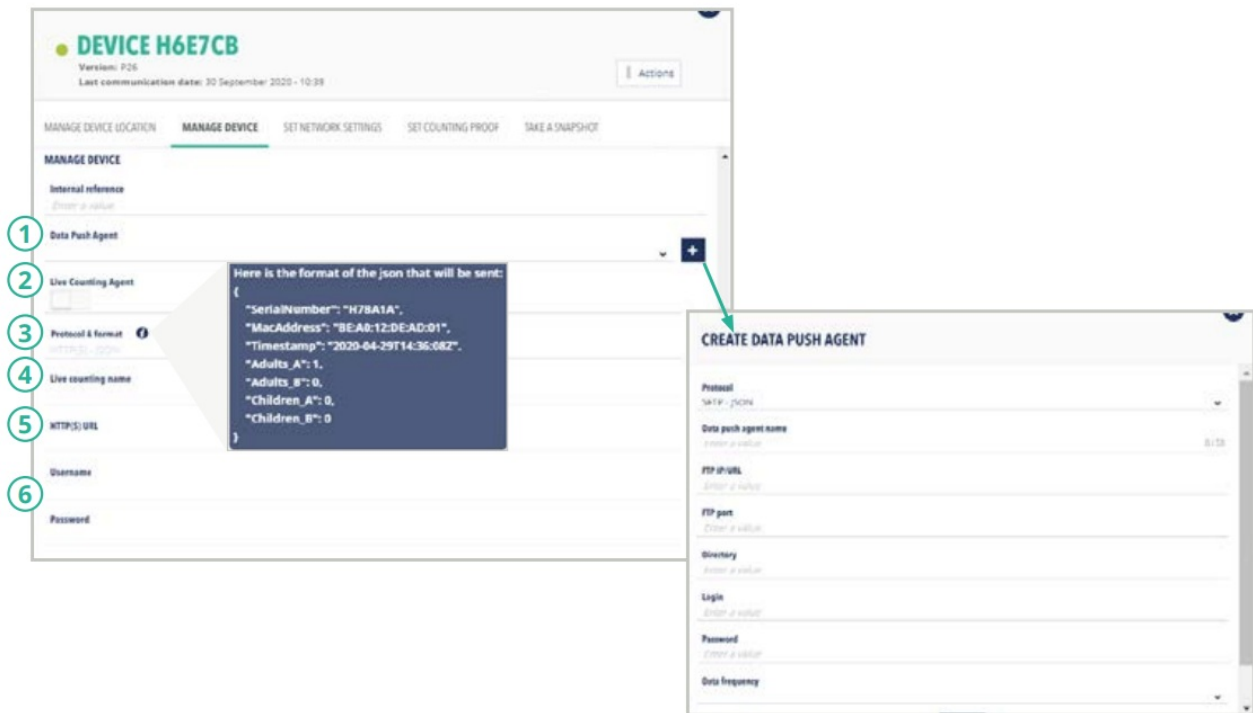
CONFIRM MODIFICATIONS

Manage Device Location

information specific to the installation location

DEVICE INFORMATION – Individual Device

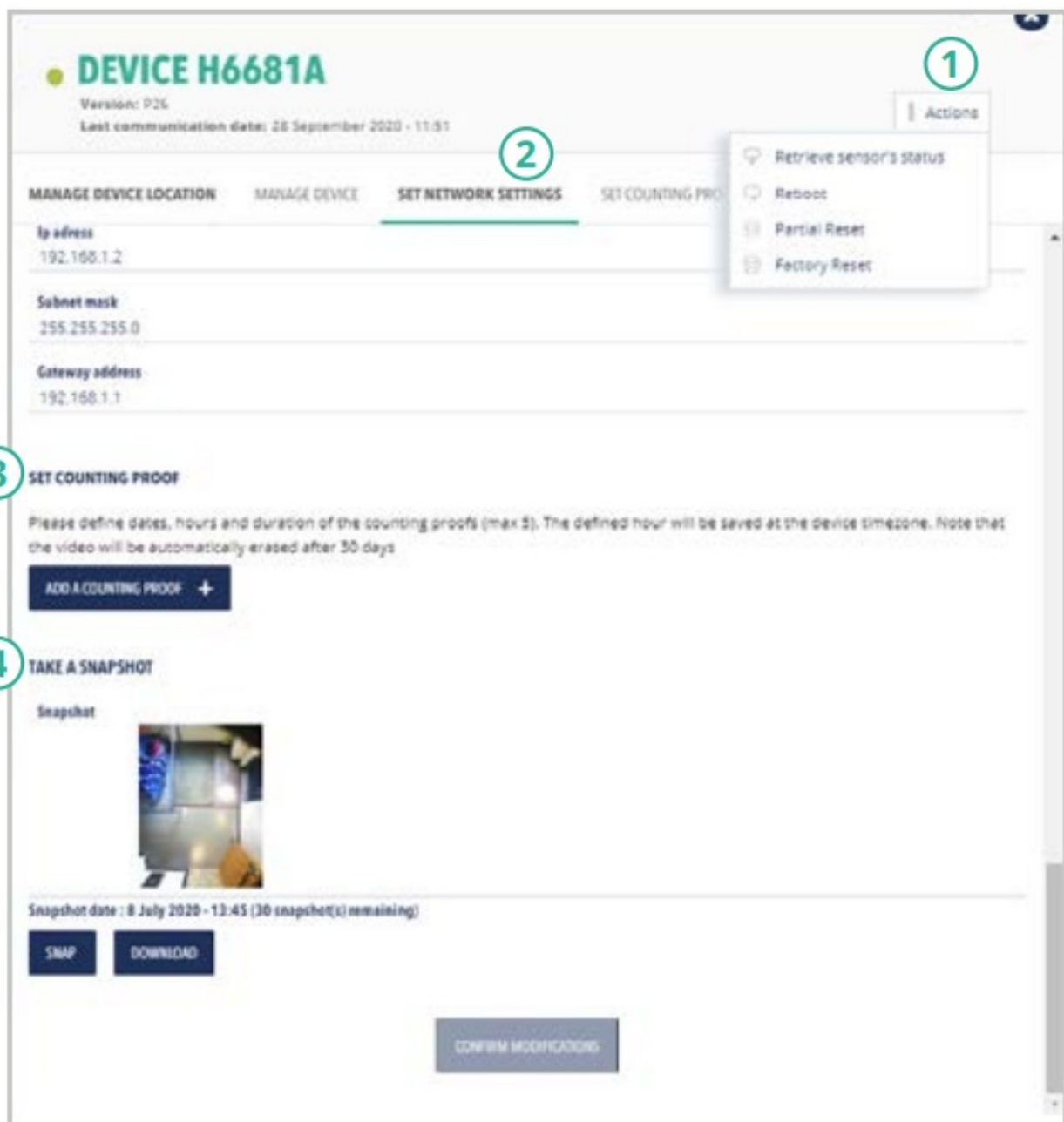
Manage Device these screenshots show device settings for data push and live to count



1. Data Push Agent – by clicking the + button, the user can create a data push agent
2. Live Counting Agent – used to send data from a sensor in near-real time, directly to an HTTP(s) endpoint URL.
Note: Enabling live count mode for a sensor connected via cellular will increase monthly data charges. Contact your supplier for more information.
3. Protocol & format – see information pane
4. Live counting name – designate a title for your live counting
5. HTTP(S) URL – the destination for your data
6. Username / Password – specific to your data push agent, not the same as your Sensorio account credentials

DEVICE INFORMATION – Individual Device

The screenshot below shows device actions and device settings for network, counting proofs, and snapshots



1. Actions:

- Retrieve sensor's status – get the current connection status and software version
- Reboot – shut down and restart the sensor (does not reset any settings)
- Partial Reset – clears device location settings
- Factory Reset – clears and restores settings to factory default settings; integrator information remains the same

2. Set Network Settings – local network settings for device (enable/disable DHCP, change IP address, subnet and gateway)
3. Set Counting Proof – information for the period of time that a counting proof will be conducted
4. Take A Snapshot – the sensor takes a picture and overlays a red counting line. This can be used for checking the location of the counting line, investigating the sensor's environment, or simply verifying that the sensor is online.

USERS TAB

This page displays all users associated with your Integrator account.

Those users with Device Manager access levels have "read-only" access to information in this tab and are, therefore, unable to add new users or modify existing users.

Sensorio

Click here to add new users. See next page.

Logged in as: John Doe (SIGMA Analytics) Logout

DEVICES **USERS**

Search

| <input type="checkbox"/> | COMPANY | ACCESS | NAME | EMAIL | LAST LOGIN |
|--------------------------|------------------|-----------------------|-------------------|--------------------|------------|
| <input type="checkbox"/> | SIGMA Analytics | Company Administrator | John Doe | sigma@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | SIGMA Analytics | No access | Reid Harper | sigma1E@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | SIGMA Analytics | Installer | Alicia Chamberlin | sigma1C@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | BEA Install Co. | Company Administrator | Lauren Gaus | sigma2A@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | Retail Worldwide | Company Administrator | Mike Brazier | sigma3A@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | BEA Install Co. | Device Manager | Mike Straub | sigma2B@beainc.com | 05/16/2018 |

ADD USER

15 USERS

| | |
|-----------------------|---|
| Company Administrator | 4 |
| Device Manager | 2 |
| Installer | 3 |
| Enduser | 3 |
| No access | 3 |

Total number of users and access permission levels

Company Administrator
Device Manager
Installer
Enduser
No access

USER INFORMATION

These sidebar tabs are used to customize user information. You may select one or more users to be customized simultaneously.

Sensorio

Logged in as: John Doe (SIGMA Analytics) Logout

DEVICES **USERS**

Search

| <input type="checkbox"/> | COMPANY | ACCESS | NAME | EMAIL | LAST LOGIN |
|-------------------------------------|------------------|-----------------------|-------------------|--------------------|------------|
| <input type="checkbox"/> | SIGMA Analytics | Company Administrator | John Doe | sigma@beainc.com | 07/13/2018 |
| <input checked="" type="checkbox"/> | SIGMA Analytics | No access | Reid Harper | sigma1E@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | SIGMA Analytics | Installer | Alicia Chamberlin | sigma1C@beainc.com | 07/13/2018 |
| <input checked="" type="checkbox"/> | BEA Install Co. | Company Administrator | Lauren Gaus | sigma2A@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | Retail Worldwide | Company Administrator | Mike Brazier | sigma3A@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | BEA Install Co. | Device Manager | Mike Straub | sigma2B@beainc.com | 05/16/2018 |
| <input type="checkbox"/> | SIGMA Analytics | Company Administrator | John Laslo | sigma1A@beainc.com | 04/26/2018 |

DELETE

CHANGE ACCESS

ADD USER

2 SELECTED USERS

| | |
|-----------------------|---|
| Company Administrator | 1 |
| No access | 1 |

1. Selecting a user(s) will allow access to the sidebar tools.
2. Click on the user's name to modify existing information specific to that user.
3. Delete a user.
4. Change access level permission.
5. Add a new user (see pages 16 – 20).

USER INFORMATION – Add User (User Type)

The top screenshot shows the 'ADD USER' form in the Sensorio application. It includes a sidebar with a 'SERVICES' menu. The form fields are: Email (8/150), First name (0/30), Last name (0/30), Phone (0/30), User type (dropdown menu), and Company. The 'User type' dropdown is open, showing three options: Integrator, Installer, and Client. The bottom left screenshot shows the 'CREATE INSTALLER' form with fields for Company name (0/30), Address (0/30), Contact name (0/30), Email (0/30), and Phone (0/30). The bottom right screenshot shows the 'CREATE COMPANY' form with fields for Company name (0/30), Address (0/30), Contact name (0/30), Email (0/30), and Phone (0/30).

There are three available User Types:

1. Integrator – your company
Note: “Company” info will auto-populate.
2. Installer – 3rd party/partner installation company
Note: “Company” may be selected from a drop-down list of previously entered companies, or information must be added (see screenshots below).
3. Client – end user
Note: “Company” may be selected from a drop-down list of previously entered companies, or information must be added (see screenshots below).

USER INFORMATION – Add User (Access)

CAUTION: Be mindful in choosing access levels. Risks of varying degrees are associated with each level (see risk chart below descriptions). By assigning a user Company Administrator or Device Manager access permission, you are allowing that user to view, modify, or delete ALL devices, clients, and/or users associated with your integrator company.

ADD USER

Email Enter a value 0/100

First name Enter a value 0/30

Last name Enter a value 0/30

Phone Enter a value

User type Select a value

Company

☐ SIGNIA Analytics Access

COMPANY ADMINISTRATOR

DEVICE MANAGER

INSTALLER

ENDUSER

NO ACCESS

Company Administrator – The user has full access to the mobile app and online portal, including the ability to manage users within the company

Device Manager – User has full mobile app and online portal access, excluding user management

Installer – The user has full access to the mobile app, allowing them to install new sensors and change sensor settings, as well as conduct counting proofs

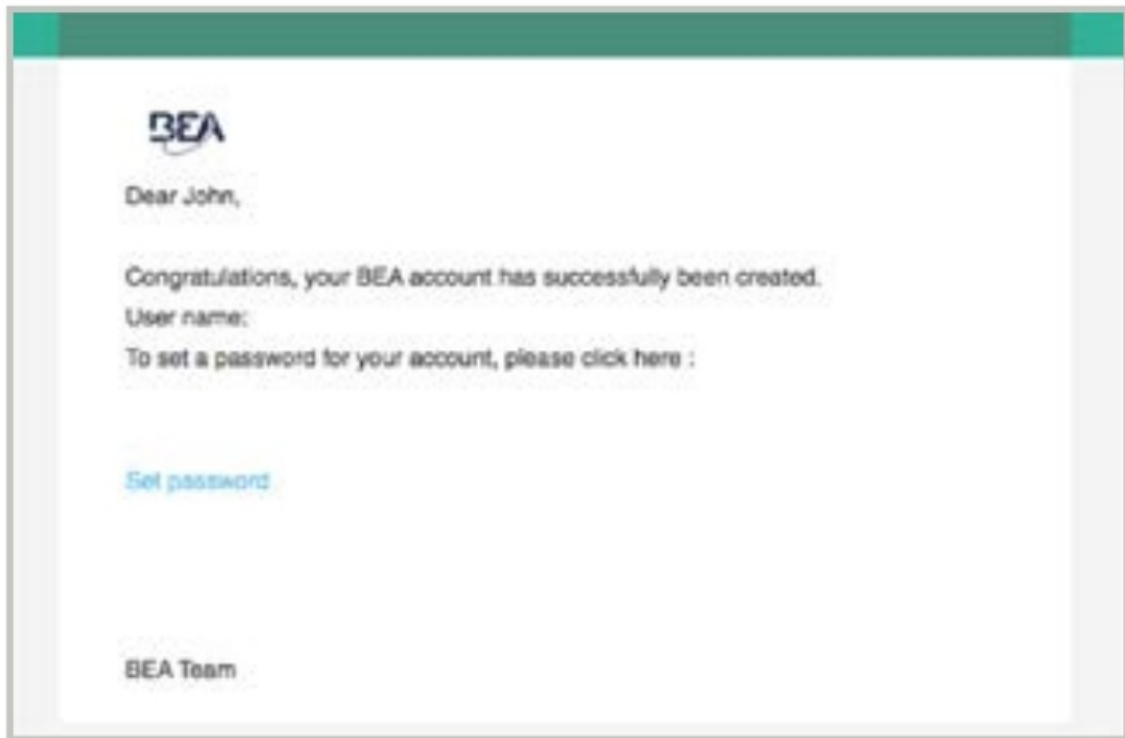
Enduser – The user has access to the mobile app for counting proofs only

ACCESS PERMISSION RISK LEVELS

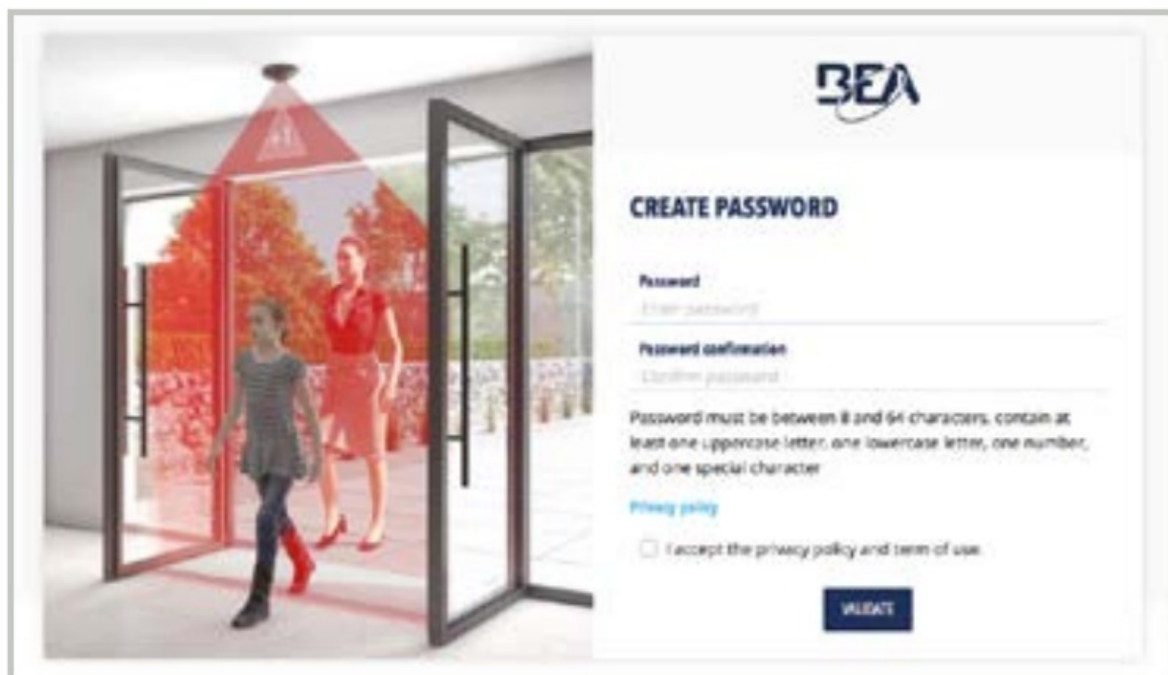
| | | ACCESS PERMISSION | | | | |
|-----------|------------|-----------------------|----------------|-----------|---------|-----------|
| | | Company Administrator | Device Manager | Installer | Enduser | No Access |
| USER TYPE | Integrator | none | none | none | low | high |
| | Installer | high | high | none | none | none |
| | Client | high | high | high | none | none |

USER INFORMATION – Add User (Email Confirmation)

Once a new user has been added, that user will receive a confirmation email.



The new user must click on “Set password” to take them to the portal to create a password for their account.



After creating a password (a), the user will receive the following action depending on their access level permission:

- Those with Company Administrator or Device Manager level access permission will be taken to the home page.
- Those with Installer or Enduser level access permission will receive a prompt directing them to the app (below, left).
- Those with No Access will receive a prompt reminding them that they do not have access to the portal (below, right).



USER INFORMATION – Change Access

Sensorio

Logged in as John Doe (SIGMA Analytics) Logout

DEVICES **USERS**

Search:

| <input type="checkbox"/> | COMPANY | ACCESS | NAME | EMAIL | LAST LOGIN |
|-------------------------------------|------------------|-----------------------|-------------------|--------------------|------------|
| <input type="checkbox"/> | SIGMA Analytics | Company Administrator | John Doe | sigma1@beainc.com | 07/13/2018 |
| <input checked="" type="checkbox"/> | SIGMA Analytics | No access | Reid Harper | sigma1E@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | SIGMA Analytics | Installer | Alicia Chamberlin | sigma1C@beainc.com | 07/13/2018 |
| <input checked="" type="checkbox"/> | BEA Install Co. | Company Administrator | Lauren Gaus | sigma2A@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | Retail Worldwide | Company Administrator | Mike Brazier | sigma3A@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | BEA Install Co. | Device Manager | | | |
| <input type="checkbox"/> | SIGMA Analytics | Company Administrator | | | |

CHANGE ACCESS

COMPANY ADMINISTRATOR

DEVICE MANAGER
User has full mobile app and online portal access excluding user management.

INSTALLER

ENDUSER

NO ACCESS
User has no access to mobile app or online portal.

CONFIRM

2 SELECTED USERS

- Company Administrator 1
- No access 1

See below for possible access types.

This example shows a change in access level permission from Device Manager to No Access.

USER INFORMATION – Delete User

Sensorio

Logged in as John Doe (SIGMA Analytics) Logout

DEVICES **USERS**

Search:

| <input type="checkbox"/> | COMPANY | ACCESS | NAME | EMAIL | LAST LOGIN |
|-------------------------------------|------------------|-----------------------|-------------------|--------------------|------------|
| <input type="checkbox"/> | SIGMA Analytics | Company Administrator | John Doe | sigma1@beainc.com | 07/13/2018 |
| <input checked="" type="checkbox"/> | SIGMA Analytics | No access | Reid Harper | sigma1E@beainc.com | 07/13/2018 |
| <input type="checkbox"/> | SIGMA Analytics | Installer | Alicia Chamberlin | sigma1C@beainc.com | 07/13/2018 |
| <input checked="" type="checkbox"/> | BEA Install Co. | Company Administrator | | | |
| <input type="checkbox"/> | Retail Worldwide | Company Administrator | | | |
| <input type="checkbox"/> | BEA Install Co. | Device Manager | | | |
| <input type="checkbox"/> | SIGMA Analytics | Company Administrator | | | |

DELETE

CHANGE ACCESS

ADD USER

2 SELECTED USERS

- Company Administrator 1
- No access 1

By erasing this user, you delete his account on the BEA portal and/or mobile application.

CONFIRM

EXTERNAL DATA ACCESS (API) TAB

Sensorio

Logged in as: Chris Rigato (BEA Inc.) Logout

DEVICES

USERS

EXTERNAL DATA ACCESS (API)

| <input type="checkbox"/> | PREFIX | NAME | CREATION DATE | EXPOSED FEATURES | COMPANIES |
|-------------------------------------|----------|------------|---------------|--|----------------------------|
| <input checked="" type="checkbox"/> | C6mFtJp | BEATestKey | 9 June 2020 | Get data, Get device detail, Get devices | BEA Inc. |
| <input type="checkbox"/> | bOYnwFe1 | GCKey | 30 April 2020 | Get data, Get device detail, Get devices | Grove City Premium Outlets |

ADD A KEY

DELETE KEY

DOCUMENTATION

1

2

3

1. Add a Key

Create a new API key. Each key can be configured to receive data for one or more companies managed by your integrator account.

2. Delete Key

Remove a previously assigned key

3. Documentation

Information for API request and response formats



©BEA | Original Instructions

75.5934.01 SENSORIO.COM TUTORIAL 20210630

Documents / Resources

[BEA LZR-SIGMA Laser Complete People Counting Solution](#) [pdf] User Guide
 LZR-SIGMA, Laser Complete People Counting Solution, LZR-SIGMA Laser Complete People Counting Solution