

# iC SmartView

User Manual



iSMA CONTROLLI S.p.A. - Via Carlo Levi 52, 16010 Sant'Olcese (GE) - Italy | support@ismacontrolli.com



### **Table of Contents**

1	Introduction	4
1.1	Revision History	4
2	Quick Start Guide	6
2.1	Access	6
2.2	Features	7
3	Installation	10
3.1	Pre-installed	10
3.2	After Factory Defaults Reset	10
4	Settings	11
4.1	UI (Navigation, Screensaver, Theme)	14
4.2	Kiosk Mode	16
4.3	Lighting Color	16
4.4	Pin Lock	16
4.5	Import/Export	17
4.5.	1 Export of Settings	17
4.5.	2 Import of Settings	18
4.6	Auto Restart	20
4.7	Remote Management	20
4.8	Updates	20
4.8.	1 Updating from the iSMA Android Application V4.2.0 to iC SmartView V5.1	
4.8.	2 Auto Update	
5	Web Views Management	22
5.1	Adding New Web View	
5.1.	1 Autologin	
5.1.	2 PIN Protection	
5.2	View Menu	
6	Remote Management	
6.1	Web Service	
6.1.	1 Logging in	
6.1.	2 Views Manager	
6.1.	3 Display	
6.1.	4 Alarm	
6.1.		
6.1.		
6.2	iC SmartView Config Service for Niagara	

6.3	Rest API	34
7	Language	36
7.1	Changing Language	36

### **1** Introduction

The iC SmartView is an app designed for the iSMA CONTROLLI HMI Android panels, offering comprehensive controllers management and seamless access throughout the building. The iC SmartView simplifies the process of managing credentials with a primary focus on facilitating easy logins and access to Niagara stations and other HTML5 web servers, thereby enhancing building maintenance and management. Once entered, the credentials for the Niagara station or controller's web server need only be input once, as the app ensures that users are automatically logged back in with each log-out or restart of the Android panel. When operating in the Kiosk mode, the application becomes dedicated to this specific purpose, preventing the use of any other applications on the panel. To exit the Kiosk mode, a password is required, ensuring controlled access to the device. The application offers remote management of its functions using rest API, which allows remote control of the panel.

This user manual provides an in-depth exploration of iC SmartView's features.

	Settings	Add View
••		
MY FIRST BMS		

Figure 1. iC SmartView app

### **1.1 Revision History**

Rev.	Date	Description
5.2	4 Dec 2024	<ul> <li>Updated Remote Management section:         <ul> <li>web service</li> <li>iC SmartView Config service</li> <li>Rest API</li> </ul> </li> <li>Added new option in UI settings (Bring back to the foreground)</li> </ul>



Rev.	Date	Description
5.1	8 Mar 2024	Updated information about reinstalling application after factory defaults reset
5.0	10 Nov 2023	New edition of the application under new name - iC SmartView • new design • full screen mode upgrade • auto-update function added • LED API added • screensaver • light and dark modes
4.3	1 Dec 2022	Rest API V2.0.0 support
4.2	25 May 2022	Rebranded
4.1	14 Oct 2021	Added note in the Autologin part
4.0	22 Jun 2021	Fourth edition: • Autologin feature added
3.1	4 Nov 2020	Application languages added
3.0	22 Jul 2020	Third edition
2.0	6 Dec 2019	Second edition
1.0	26 Aug 2019	First edition

Table 1. Revision history



### 2 Quick Start Guide

Getting started with iC SmartView is convenient and easy with the Quick start guide. It provides an overview of the application's key features, allowing users to take full advantage of its potential.

### 2.1 Access

The Quick start guide is available from a separate tile or, if deleted, from the device settings.



•••	•	•		0	
	E: 2 0		C		

Figure 2. Quick start guide view - access from a tile



10:35		<b>?</b>
<del>~</del>		
Enables API v1. (Potential security risks due to lack of auth		•
<b>Enable API v2</b> Enables API v2 with new features and authorization.		•
<b>API Username</b> admin		
API Password		
Auto update settings		
Enable app auto-update Enables automatically checking the availability of a new ve	ersion and performing the installation	•
The application is up to date		CHECK FOR UPDATES
About		
Quick Start Guide		
<b>iC SmartView 5.1.0-locked</b> Copyright © ISMA CONTROLLI S.p.A. 2023		
<b>√</b> )		
	Figure 3. Quick start guide - access in settings	

### 2.2 Features



Figure 4. Initial page of the Quick start guide

The Quick start guide describes the application's features and includes quick-start steps and videos for the following actions:

• adding a new view:

- customizing a tile,
- auto-login,
- PIN protection,
- home view;
- UI configuration:
  - hiding a navigation bar;
  - hiding a system navigation;
  - switching on a screensaver;
  - switching a theme mode;
- kiosk mode:
  - accessing kiosk mode settings;
  - restricting panel access;
  - setting kiosk unlock password;
  - managing connections in the kiosk mode;
- import/export settings:
  - accessing import/export settings;
  - saving application settings;
  - importing saved settings;
- secure remote management:
  - remote management using Rest API, web server, iC SmartView Config service,
  - accessing and enabling remote management;
- auto update:
  - accessing auto update settings;
  - enabling automatic version checks;
  - manually checking for updates.





Figure 6. Quick start guide features



### **3** Installation

### 3.1 Pre-installed

The iC SmartView application is exclusively designed to be installed on iSMA CONTROLLI branded Android panels. To enhance user convenience, this application comes pre-installed on every panel, ensuring seamless accessibility from the moment of power-up.

**Note:** The application includes a built-in auto-update feature, which has been available since the 5.0 version.

This feature is, by default, disabled to provide users with control over updates. However, when an Internet connection is available, users can conveniently update the application directly from within the application itself, ensuring that they always have access to the latest enhancements and security updates.

### 3.2 After Factory Defaults Reset

In the event that the panel is reset to factory defaults, it is required to reinstall the iC\_SmartView.apk from a PC using a USB cable:

**Step 1:** Download the iC SmartView application from the iSMA CONTROLLI Download Center.

**Step 2:** Connect a USB cable to the PC and to the panel (USB 3.0 slot). Wait for the PC to recognize the device and install drivers.

Step 3: Open the folder with the application.

**Step 4:** Double click on install.bat file-the application will be installed automatically on the connected panel.

**Step 5:** The last step is to set the application as the Home app.



### **4** Settings

The Setting button in the top right corner of the main view opens the application settings:

15:22 🕑		· · · · · · · · · · · · · · · · · · ·
		Settings Add View
**		
MY FIRST BMS	•••	
<b>a(</b> ) <	• •	<b>■</b> ))

Figure 7. Settings button

Available settings:

- UI (Navigation, Screensaver, Theme)
- Kiosk Mode
- Lighting Color
- Pin Lock
- Import/Export
- Auto Restart
- Remote Management
- Updates



12:58 <u>†</u>	
←	
Settings Import/Export	
Export settings	
Export settings and views	
Import settings	
Auto Restart	
Enable Auto Restart Enables daily restart of a panel at selected time.	•
Restart time 1:00	
API	
Enable API v1 Enables API v1. (Potential security risks due to lack of authorization)	•
Enable API v2 Enables API v2 with new features and authorization.	•
Figure 10. Settings, part 3	
13:10 🕒 📩	
Enables API v1. (Potential security risks due to lack of authorization)	
Enable API v2 Enables API v2 with new features and authorization.	
API Username admin	
API Password	
Auto update settings	
Enable app auto-update Enables automatically checking the availability of a new version and performing the installation	•
The application is up to date	CHECK FOR UPDATES
About	
Quick Start Guide	
iC SmartView 5.1.0-locked Copyright © ISMA CONTROLLI S.p.A. 2023	
Figure 11. Settings, part 4	

### 4.1 UI (Navigation, Screensaver, Theme)



Figure 12. UI settings

The UI settings allow to adjust the following elements:

- Navigation hiding: causes the application to automatically hide a navigation bar after a set period of time;
- Navigation hiding delay: sets time after which the navigation bar is hidden;
- Fullscreen: hides system navigation outside of the kiosk mode;
- Enable screensaver: allows to switch on a screensaver after a set period of inactivity;
- Screensaver delay [s]: allows to set the time of inactivity after which the screensaver is started;
- Enable screensaver graphic mode: allows to switch on a graphic mode on a screensaver (with a floating graphic file);
- Screensaver graphic: allows to select a file, which will be floating on a screensaver; by default, it is the iSMA CONTROLLI logo; supported formats: .png, .jpg;

**Note:** In order to bring back a default graphic on a screensaver, uncheck the Enable screensaver graphic mode (disabling it), and enable it again.

12:17			$\Diamond$
	Ö isma <b>controlli</b>		
<b>-</b> ()	• •	٥	

Figure 13. Screensaver with a floating graphic

• Theme mode: allows to switch between a light and dark (default) mode of the application (or allows to set the panel's default setting).

15:2	2 🕑					 			Ŷ
		•••				Setting	s	Add View	
	MY FIRST BMS								
			•••	•	•	<b>■</b> )			

Figure 14. Example of the dark mode

• Bring back to the foreground: allows to bring back iC SmartView to the foreground after one minute of inactivity; this function protects against accidental and non-accidental closing of the application while in operation.

### 4.2 Kiosk Mode

**Kiosk mode:** disables access to Android and restricts a panel access to the iC SmartView application only. Unlocking requires an admin password.

#### Warning:

Remember to save the created password in a safe place. It is not possible to restore the password once lost without factory settings of the device.

The kiosk mode settings allow to switch the kiosk mode on and off, set the admin password to unlock it, and set access to connections in the kiosk mode.

#### **Kiosk Mode Settings**



- · Kiosk mode: switches the kiosk mode on and off;
- Kiosk unlock password: allows to set a password required to access settings when the kiosk mode is active;
  - Default password: password

Note: While setting the unlock password, it is required to type it twice for confirmation.

• Allow connections management in kiosk: allows the user to add, remove, and edit connections in the kiosk mode.

### 4.3 Lighting Color

Note: Available only on panels equipped with the LED bar.

The Lighting color settings allow to switch on and off and choose the color of the panel's LED lighting. Setting the lighting color is also available using the Rest API. Please refer to the Rest API manual.



### 4.4 Pin Lock

PIN lock settings allow a tile, where PIN option is enabled, to lock the web view after a specified period of time. This option requires enabled kiosk mode to work.



Pin Lock Settings	
Automatic Pin Lock Enable automatic pin lock after a set timeout with a pin entered in connection settings. This requires enabled Kiosk Mode to work.	•
Pin lock timeout	
Figure 17. Pin lock settings	

- · Automatic pin lock: switches the pin lock on and off;
- Pin lock timeout: allows to set the time after which entering pin is required.

### 4.5 Import/Export

### 4.5.1 Export of Settings

The Export option allows to export application settings or settings and views to a .json file.

Settings Import/Export			
Export settings			
Export settings and views			
Import settings			
	Einen 10 lasses att		

Figure 18. Import/export settings

To export application settings, follow the below steps:

**Step 1:** Select the Export settings or Export setting with views (exports settings along with connection data).

4:25 🛈	)				
$\equiv$	Downloads				<b>+</b>
Downlo	pads				
FILES IN	DOWNLOADS				<b>=</b>
	Name		Туре	Size	Modified $\psi$
È	bms view		BIN file	703 B	14:11
<>	iSMA_export.json		JSON document	485 B	13:07
	iSMA_export.json				SAVE
		- m(s	- • =	<b>u(i)</b>	
			Eigura 10 Export sattings		

Figure 19. Export settings

**Step 2:** New window shows up. A default name of the file is 'iSMA\_export.json' but it is freely editable; also at this point the user has to pick the location of the file (touch the three dashes icon in the left top corner of the screen).

ve to			Ē.
Downloads			
PA-LED10-B			
_	Туре	Size	Modified ↓
	PNG image	92.97 kB	Aug 16
	BIN file	0.94 kB	Aug 11
	BIN file		Aug 11
	BIN file		Aug 8
	BIN file		Aug 8
	JSON document	485 B	
			SAV

Figure 20. Changing saving location of the export file

### 4.5.2 Import of Settings

The Import option allows to import application settings or settings and views from a .json file.

To import application settings, follow the below steps:

Step 1: Select the Import settings.

Note: Importing settings overwrites current settings, including added connections.



Downloads			0,
wnloads			
Images 🖸 Audio 🔛 Videos	Documents 🚫 Large files 🚯 This week		
ES IN DO WNLOADS			œ
Name	Туре	Size	Modified $\downarrow$
bms view	BIN file	703 B	14:11
> iSMA_export.json	JSON document	485 B	13:07

Figure 21. Import settings file location

**Step 2:** Choose a file to import (touch the three dashes icon in the left top corner of the screen); it can be downloaded from the panel or any other storage source connected to the panel.

Оре	en from					Q	:
0	Recent						
	Images	Documents 🔊 La	rge files 3 This week				
	Videos						⊞
	Documents		Туре		ze Modif	ìed ↓	
±	Downloads						
	PA-LED10-B		PNG image		κB /	Aug 16	к ж К Ж
	SD card		BIN file	0.94	кВ и	Aug 11	к я К Я
õ	Bug reports		BIN file		B	Aug 11	к ж К Ж
ĕ	System traces		BIN file			Aug 8	к ж К Ж
			BIN file				к ж К Ж
			JSON document	485	В	Aug 8	к ж К Ж
		•	DIN file	•)	I.		
			Figure 22. Import sources				

### 4.6 Auto Restart

The auto restart function allows the device to restart automatically on a daily basis, according to a set schedule.

This function is useful in case of apparent slowdown of the device and visualization. Some web applications store cache files locally and in the device's RAM. Running the auto-restart option clears this memory at startup.

Auto Restart			
Enable Auto Restart Enables daily restart of a panel at selected time.			
Restart time 1:56			

Figure 23. Auto restart

- · Enable auto restart: switches the auto restart option on and off;
- Restart time: sets the time for auto restart.

### 4.7 Remote Management

Remote Management	
Enable API v2 Enables remote control of IC SmartView with RestAPI, Niagara service and web server.	•
Username admin	
Password	
Enables built-in web server at https://(dev(ce.jp):5580/config	
Figure 24. Remote Management settings	

- Enable API v2: enables the Rest API V2.0.0. interface;
- Username: allows to set the username for the Rest API interface and web server;
- **Password:** allows to set the password for the Rest API interface an web server;
- Enable Web Service: enables the built-in web server at https://device.ip:5580/config.

### 4.8 Updates

## 4.8.1 Updating from the iSMA Android Application V4.2.0 to iC SmartView V5.1

**Step 1:** Download the latest version of the iC SmartView.apk to the PC or directly to the Android panel.

**Step 2:** Connect the panel to the PC or copy the iC SmartView.apk to the pendrive external memory.

**Step 3:** Copy the downloaded .apk file to the panel's internal memory.

**Step 4:** Open the file's location on the panel and open the .apk file. The upgrade is started automatically.

### 4.8.2 Auto Update

From the iC SmartView, it is possible to use the auto update function, which automatically checks the availability of a new version of application and performs the installation.

#### Auto-update Settings

Enable app auto-update Enables automatic checking for new version and performing install

App is up-to-date

Figure 25. Auto update settings

- Enable app auto update: (disabled by default) switches the auto update function on and off;
- Check for updates button.



CHECK VERSION

15.22

### 5 Web Views Management

### 5.1 Adding New Web View

Correct operation of web views in iC SmartView requires pre-configuration of the Ethernet port or WiFi network in the Android device settings. To configure the IP settings, select the Network & Internet option in the device settings.

When the application is first launched, the main screen, except for quick-start, does not contain any added visualization, or controller. When the application is launched, the home screen is displayed, allowing to add one or more Niagara stations, or other web services. To add a new view, tap the Add View button:

Settings	Add View
<b>■</b> )	

Figure 26. Main screen

Enter credentials:

- panel name;
- panel url

and save them. Then, select a tile background file or color (from a palette or entering a hex number).

4:19 ❻ ←			Ŷ
Add view			
Panel name		Tile color	
Panel name			
Panel url			
Panel url			
Add tile background			
Add tile background			
Enable Autologin feature			
Protect with pin			
		Add hex	Save
	➡ ◄	•	

Figure 27. Credentials

Logging into the view is available with two options to check:

- Enable Autologin feature, and
- Protect with pin.

### 5.1.1 Autologin

Checking the Enable Autologin feature extends the username and password fields. Saved, the credentials are remembered, and the view is automatically logged from the panel. If the option remains unchecked, logging in is redirected to an external login website (Niagara or other).



14:20 🕑		Ŷ
÷		
Panel name		Tile color
Panel name		
Panel url		
Panel url		
Add tile background		
Add tile background		
✓ Enable Autologin feature		
Username		
Username		Add hex
Password		
Password	ø	Save
	·     •	• •

Figure 28. Autologin credentials

**Note:** In case auto-logging has been enabled and the connection to the web service does not work properly, it is recommended to leave the option unchecked, which redirects to the web service login page and allows logging in there. Note that the iC SmartView application supports logging into HTML5-based devices.

**Note:** If case of issues while opening the login page, please add the "/login.html" or "/ prelogin" or any other known part at the end of the web service's url, that leads directly to the user login page.



ismacontrolli

**Note:** To enable a proper functioning of autologin, please remember to add a port number after a panel's IP address:

- :443 for https connection;
- :80 for http connection,

For example: https://168.192.1.1:443.

Note: Selecting the autologin feature is available from the iSMA Android Application 4.0.

### 5.1.2 PIN Protection

Checking the Protect with pin option enables the selected tile to require entering a pin number when attempting to open it.

**Note:** If the PIN lock timeout option in settings is enabled, then the PIN will be required also after a set time of inactivity in the Kiosk mode. Go to the Kiosk mode settings for more information about entering the Kiosk mode and setting the pin lock timeout.

:21 <b>()</b>		
Panel url		
Add tile background		
Add tile background		
Enable Autologin feature		
Username		
Username		
Password		
Password		Ø
Protect with pin		
Pin		
	<b>.</b>	•

Figure 30. Protect with pin option

After successful logging in, the application goes back to the main screen with a list of added views.

15:22 🕑							�
						Settings	Add View
		$\overline{\Diamond}$					
MY FI	RST BMS						
		<b>•</b> ()	•	•	<b>▲</b> )		
		Figure		en with an add			

### 5.2 View Menu

The three-dots button in the bottom right corner of the tile extends the tile menu:

- Edit: edits the tile connection credentials;
- **Delete:** deletes the tile;
- Home station: can be chosen only for one tile only; the chosen view will be automatically logged in after restarting or turning on the panel (Disable home station option appears for the selected home station). Additionally, if the app is left inactive in the home screen for more than 5 minutes, the home station will log in automatically after 5 minutes.



11:08				Ŷ
			Settings	Add View
	SmartView			
Quick Start Guide	<b>a</b>	MYBMS		
				🖉 Edit
				🗍 Delete
				Home station
<b>■</b> ()	< ●		٥	

Figure 32. List of views, with options



### 6 Remote Management

The iSMA CONTROLLI HMI Android panels (PA-LED and iSMA-D-PA series) with installed iC SmartView application can be remotely configured using a few convenient methods, which fit specific user requirements. The available ways of panels' remote management are:

- Web Service
- iC SmartView Config Service for Niagara
- Rest API

More detailed descriptions are available in the following sections.

#### Warning!

For full access to remote configuration, please make sure that the Enable API v2 and Enable Web Service options are switched on in the **Remote Management** section in the panel's settings.

### 6.1 Web Service

Available from iC SmartView V5.2.0.

The iC SmartView web server offers a simplified user experience providing access to the following options:

- logging in;
- views manager;
- display management;
- alarms settings;
- kiosk mode settings;
- LED manager.

For proper operation, the web server requires:

- API v2 enabled;
- user and password configured;
- Enable Web Service option checked in the Remote Management section in Settings.

The web server can be accessed at the https://DEVICE.IP:5580/config address.



### 6.1.1 Logging in

Ö ISMACONTROLLI	
Username	
Password	
Login	

Figure 33. Login page

The login credentials must be configured before start in the Remote Management section in Settings.

### 6.1.2 Views Manager

Ö ismacontrolli				Logout				
	Display	Alarm	Kiosk Mode	LED Manager				
Views Manager								
ShopSite2		Edit	Delete Set as H	ome				
School1		Edit	Delete Set as H	ome				
BoilerRoomSchool1		Edit	Delete					
				dd View				
Figure 34. Views Manager								

ismacontrolli

The Views Manager in the web server lists all available views and allows to edit them, delete, and set the view as home.



Figure 35. Views editing options

Among the editing options available in the web server, it is possible to:

- change the view's name;
- change the view's URL;
- choose the tle color;
- enable of disable the autologin;
- set the views username and password;
- enable or disable the Pin lock.

To find out more, go to the Web Views Management section.



### 6.1.3 Display

				Logout
Views Manager		Alarm	Kiosk Mode	LED Manager
Display				
Timeout in seconds			<	
Timeout lower than 10s = display always 10	0% brightness			
Backlight			\$	
Enter a value between 0 and 100%				
			Send	
Screensaver				
Enable Screensaver				
25			K	
Enable screensaver gra	phic mode			
			Send	

Figure 36. Display settings

In the Display section, it is possible to set the timeout and backlight values. It is also possible to enable or disable screensaver and set its delay time. The last check mark allows to enable or disable the screensaver graphic mode.

To find out more, go to the UI section.

### 6.1.4 Alarm

Ö ismacontrolli				Logout
Views Manager	Display		Kiosk Mode	LED Manager
Alarm				
Play				~
Pattern				
Pattern should follow this scheme: [[44	40,500],[880,300],[0,200],[66	0,400]]		
			Sen	d

Figure 37. Alarm section

In the Alarm section, it is possible to control alarm sounds on the panel. Alarms sounds are defined as patterns, which are JSON arrays of tone objects with frequency in Hz and time in milliseconds, for example:

- two tone pattern [[2000, 500], [4000, 500], [2000, 500], [4000, 500]] is a 2 kHz tone for 500 ms and 4 kHz tone for 500 ms in a continuous loop;
- constant high pitch pattern [[4500, 0]] is a 4.5 kHz tone continuous, 0 ms means there is no break.

#### More examples of alarm patterns:

- silent: [[0, 0]]
- two tone: [[2000, 500], [4000, 500], [2000, 500], [4000, 500]]
- constant high pitch: [[4500, 0]]
- constant low pitch: [[1500, 0]]
- intermittent high pitch: [[4500, 500], [0, 500], [4500, 500], [0, 500]]
- intermittent low pitch: [[1500, 500], [0, 500], [1500, 500], [0, 500]]

In the first field, the user selects a specific action:

- play: plays a sound, which pattern is defined in a second field;
- **save pattern:** saves a defined pattern to the panel; pattern's name, frequency, and time are defined in two next fields;

Note: Saved pattern becomes a new default alarm sound.

- **remove pattern:** removes a pattern previously saved on the panel; pattern to remove is selected by name defined in a second field;
- play pattern: plays a pattern previously saved on the panel; pattern to play is selected by name defined in a second field;
- **stop:** stops playing sounds; if invoked by a play or play pattern action, the sound will play until it is stopped by this action.

### 6.1.5 Kiosk Mode

Ö ismacontrolli				Logout
Views Manager	Display	Alarm		LED Manager
Kiosk Mode Set	tings			
Kiosk Mode				
Required to enter settings when kiosk r	node is active (Default: pa	ssword).		
			Enter Passwor	d

Figure 38. Kiosk mode section

In the Kiosk Mode section, it is possible to enable or disable the kiosk mode on the panel.

To find out more, go to the Kiosk Mode section.

### 6.1.6 LED Manger

Ö ismacontrolli				Logout			
Views Manager	Display	Alarm	Kiosk Mode	LED Manager			
Figure 39. LED manager							

Please note that this section is available only for panels with a LED lighting frame.

In the LED Manager section, it is possible to switch on and off toggling of LED colors or set one color for the panel's LED frame.

### 6.2 iC SmartView Config Service for Niagara

The iC SmartView Config service for Niagara Framework is dedicated for iSMA CONTROLLI HMI Android panels equipped with the iC SmartView application. The iC SmartView Config service is a Niagara palette of components and extensions that allow for a secure remote



configuration of certain elements on the panels. The palette also includes templates, which are specifically predesigned for the 2 series of Android panels: PA-LED and iSMA-D-PA.

The iC SmartView Config service allows to configure the following elements:

- kiosk mode (switching on and off, setting a new password),
- screen brightness (setting a new level of brightness),
- screensaver (switching the screensaver on and off, enabling or disabling screensaver graphics),

and applicable only for the PA-LED panels series:

• LED lighting (switching the LED lighting on and off, setting a new color of the lighting).

<ul> <li>Palette</li> </ul>	50
IC_SmartView_Config	-
ICSmartViewService	
<ul> <li>iCSmartViewRecipient</li> </ul>	
Examples	
PA_LED_FullyLoaded	
KioskModeExt	
LEDExt	
ScreenBrightnessExt	
ScreensaverExt	
iSMA_D_PA_FullyLoaded	
KioskModeExt	
ScreenBrightnessExt	
ScreensaverExt	
<ul> <li>Extensions</li> </ul>	
KioskModeExt	
- 🖉 LEDExt	
<ul> <li>D ScreenBrightnessExt</li> </ul>	
<ul> <li>D ScreensaverExt</li> </ul>	
<ul> <li>RecipientsFolder</li> </ul>	

Figure 40. The contents of the iC SmartView Config palette

#### Note

For more information, please see the iC SmartView Config user manual.

### 6.3 Rest API

The iC SmartView is equipped with the Rest API interface, which provides a remote access to some of application's functions like a screensaver mode, LED bar color configuration,



modifying saved connections, or managing screen brightness and inactivity timeout. Rest API, when enabled, is available on the port 5580.

A complete functional documentation of the iC SmartView's Rest API is available in the iC-SmartView\_Rest-API.html document. It provides commands in the following programming languages:

- Curl;
- Java;
- Java for Android;
- Obj-C;
- JavaScript;
- C#;
- PHP;
- Perl;
- Python.

Ö ismacontrolli	iC SmartView - Rest API user guide
API SUMMARY	Go back
API METHODS - UTILS	du back
unlock	API and SDK Documentation
API METHODS - V2	Version: 3.0.0
apiV2AlarmPost	
apiV2DisplayPost	API for remote management of the iC SmartView app
apiV2LedOffPost	
apiV2LedOnPost apiV2LedParamPost	Utils
apiV2ScreenSaverPost	and a d
	unlock
API METHODS - VIEWS autostartGet	disables kiosk mode
autostartPost	Disables kiosk mode
listGet	
viewIdDelete	Juntack
viewldGet	
viewldPut	Usage and SDK Samples
viewPost	Curi Java Android Obj-C JavaScript C# PHP Pert Python
	curl - x RORY "//uBORK"
	Parameters
	Responses
	Status 200 - Kiosk mode disabled
	Status: 500- Unexpected error ocurred

Figure 41. Technical documentation for the iC SmartView Rest API

The Rest API V2.0.0 has the following functionalities:

- managing the Kiosk mode;
- managing an autostart connection view;
- · adding, editing, and removing connection views;
- enables an HTTP basic authentication;
- managing screen brightness and timeout;
- playing tunes on a device's speaker;
- · protection with a configurable username and password;
- LED management.

**Note:** Rest API does not require an additional authentication. Make sure to use the Rest API only on a secured network.



### 7 Language

The iC SmartView application will be displayed in the system language, as long as that language is in the list of application languages. If the user sets the Android system language to one that is not available in the list, the app will be displayed in English. To change the system language, follow the steps below:

### 7.1 Changing Language

The list of included languages:

- PL;
- DE;
- CZ;
- |T;
- HU;
- LV.

**Step 1:** Go to the main menu of the Android panel PC–a round, white icon with dots at the bottom center of the screen:



Figure 42. Main screen

Step 2: Go to the Settings:



$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$										
AplinstallerCalculatorCalendarCameraChromeCodeContactsCalendarCalendarCameraChromeClockContactsDownloadsDownloadsDiveCalendarCalendarContactsDownloadsDownloadsDiveCalendarCalendarContactsDownloadsDownloadsDiveCalendarCalendarContactsDownloadsDownloadsDiveDiveCalendarCoopleImagoutsImagoutsImagoutsCoopleCoopleHangoutsPhotosPlay Movies & TVPlay MusicPlay MusicForeCoopleDiveDivePlay MusicPlay MusicCoopleCoopleVoice & TVVoice & StrutVoice	Q Search Apps									
AplinstallerCalculatorCalendarCameraOtroneCondCalendarCalendarCameraChroneClockContactsCalendarCalendarCalendarCalendarCondContactsDownloadsDownloadsDiveCalendarCalendarContactsDownloadsDownloadsDiveCalendarCalendarContactsDownloadsDownloadsDiveCalendarCalendarContactsDownloadsDownloadsDiveDuoCondCoopleImagoutsMargetImagoutsCoopleCoopleHangoutsHDMI INImagoutsImagoutsCoopleCoopleMessagesPhoneCooplePlay Movies & TVPlay MusicPlay MusicFlay Movies & TVFlay Movies & TVFlay MusicPlay MusicPlay StoreCoopleSourd RecorderVideoVideoVideoVideo			21							
ContactsImage: Contacts<	ApkInstaller	Calculator		Camera	Chrome	Clock				
ContactsDownloadsDriveDuoExplorerGrailContactsDownloadsDriveDuoExplorerConalCoogleImagoutsImagoutsImagoutsImagoutsImagoutsImagoutsHangoutsImagouts					_					
Image: CoopeImage: Coope </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
GoogleHangoutsHDM I INKeepLightningMapsImage: GoogleImage: Googl	Contacts	Downloads	Drive	Duo	Explorer	Gmail				
Image: Constraint of the second se	G		<b>N</b>		$\bigcirc$					
Messages Phone Photos Play Movies & TV Play Music Play Store	Google	Hangouts	HDMI IN	Кеер	Lightning	Maps				
Settings Sound Recorder Video Voice Search YouTube					0					
Settings Sound Recorder Video Voice Search YouTube	Messages	Phone	Photos	Play Movies & TV	Play Music	Play Store				
	Settings	Sound Recorder	4K. Video	Voice Search						
Figure 43. Settings	$\sim$									

Step 3: Go to the Language & input:

Settings								Q 2:28
Settings	0							~
	Ô	Security						
	8	Accounts						
	G	Google						
	۲	Languages & input English (United States)						
	0	Backup & reset						
	Syster	n						
	0	Date & time GMT+00:00						
	Ť	Accessibility						
	{}	Developer options						
<b>)</b> }		Ú.	4	© Figure 44. Lang	🔲 uage settings	Ú)	(	

**Step 4:** Go to the Language, which expands the list of languages available to choose from. Tap the chosen language:

							12:28
≡	Lang	uages & input					
		Languages English (United States)					
		Spell checker Google Spell Checker					
		Personal dictionary					
		Keyboard and input methods					
		Virtual keyboard					
		Physical keyboard					
		Speech					
		Text-to-speech output					
		Mouse/trackpad					
		Pointer speed					
:	$\approx$	Ð	$\triangleleft$	0	$\square$	Ċ	
				E:			

Figure 45. Language

