

**DreamSign is a web-based
digital signage system for
Android devices**

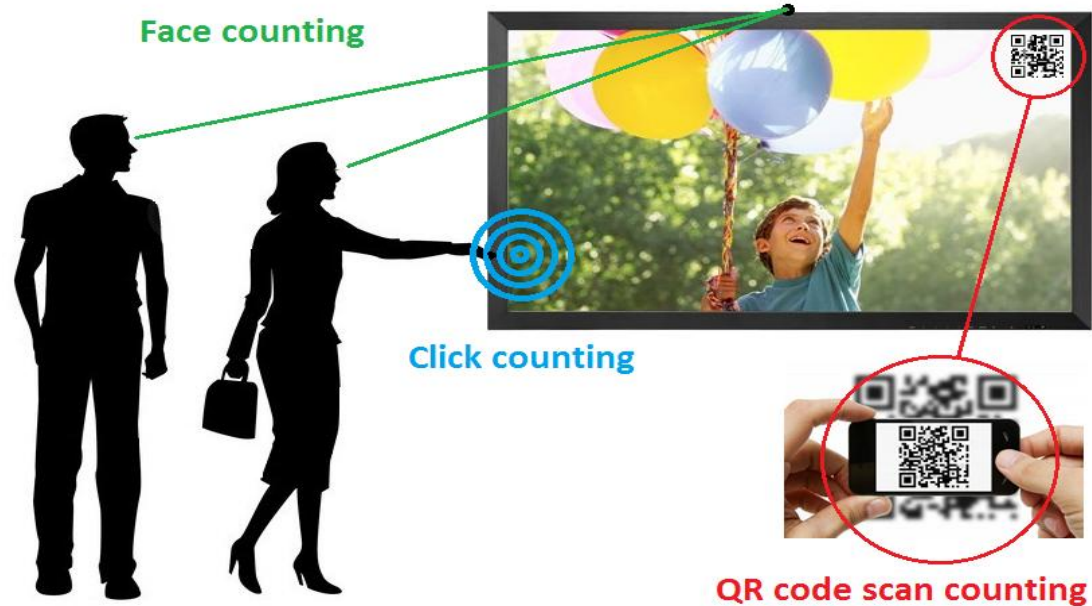
DreamSign manages different advertising Channels and Contents



Statistics

There are statistics from different sources

- LCDs
- Info kiosks
- Websites
- Mobile phones
- Mailings
- QR codes



Counting of conversions to external webpages after click on interactive contents : e-shops, product description, promotion.
Easy integration with **Google** Analytics for more statistics.

Interactive solution – kiosk



- Browse Contents left/right
- Click Link to external webpage
- Webpage appears on whole screen

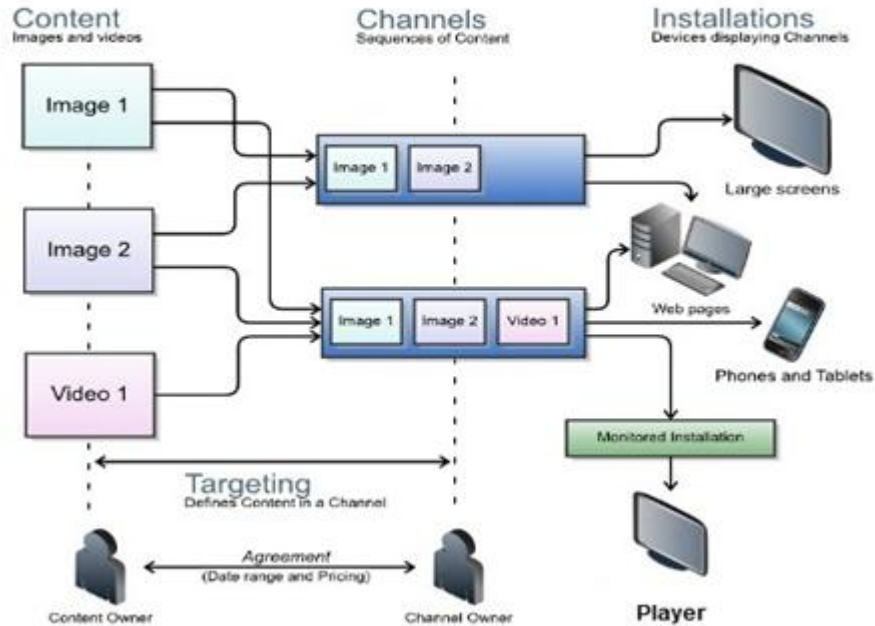
- Auto return from external webpage to start page after defined time
- All windows are interactive
- Layouts with many windows
- Statistics of clicks and conversions

DreamSign integrates campaigns on LCD displays , websites, Info kiosks, e-mailings, QR codes - which transfer interactive advertising channels from LCD, poster, newspaper to mobile phones.

There are available statistics of numbers of clients looks on advertising contents, scans of QR codes, clicks on touchscreen or mobile phones, conversions to external webpages, e-shops.

You can control all installations, and have on-line feedback about ROI of campaigns.


Structure of DreamSign Software



Administration panel

Client has own account on our server, for at least 500 licences it is possible to install server software on client server too.

All logos and design can be customised for client vision.

 Links in information panel can be connected with client support and product pages.

There is player application to download from this page.



Account & data visualisation of connections between Contents/Channels/Installations



Drag & drop management of Contents, Channels, Sequences, Installations

One screen for all operations

Here are all Contents, Channels, Sequences (simply Channels with looped Contents only) and Instalaltions (Players)

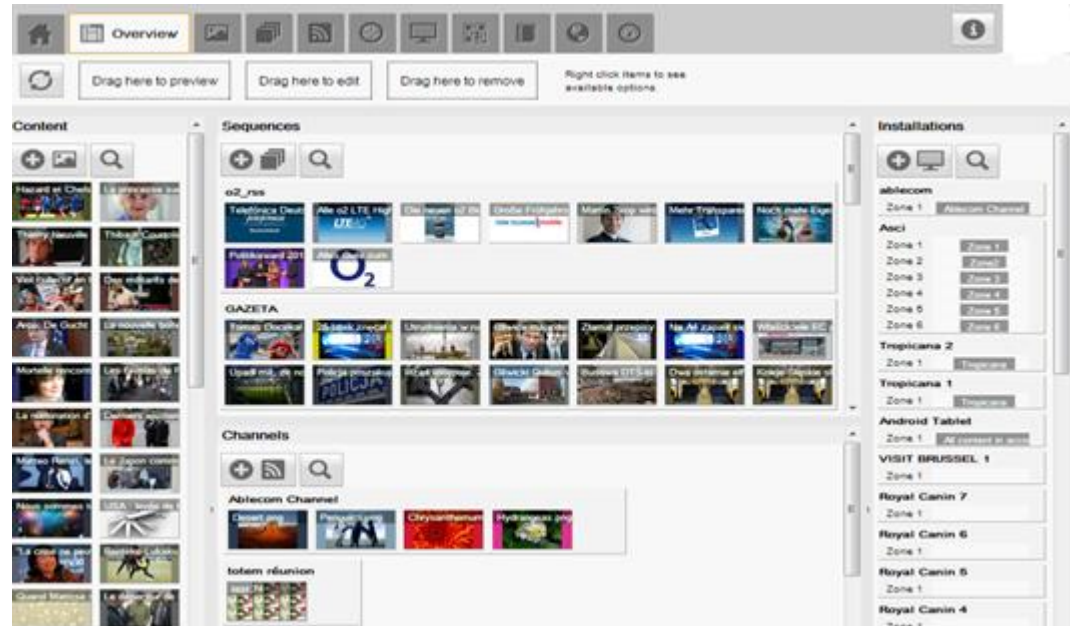
Sequence can be added like Content to the Channel or like Channel to Installation (only in one Zone)

You can add new elements, search in data base – Name or Tag.

It is possible to move Contents or Sequences to Channel (create Targeting) or Channel and Sequence to Zone in Instalaltion. There are 3 options for each element Preview, Edit and Remove – drag&drop solution.

After clicking the right button of PC mouse you can choose one of the options: edit, control, statistics, connections.

The Contents (or Sequences) in Channels can have own active period, order (drag&drop) duration, etc... - like on card Targeting but you can see here all icons of media (Playlists) on the screen. Inactive Contents in Channel are visible but faded.



Management of Contents, Channels, Sequences, Targeting, Installations

Each elements group has own page and similar management rules

The screenshot shows a web interface for managing content. At the top, there's a navigation bar with icons for home, content, and other functions. Below that is a toolbar with icons for adding, selecting, searching, importing, and refreshing. The main area contains a table of content elements with columns for Name, Original, Assets, CPU Time, Link, Remote, HTML, Duration, Imp, Faces, Clicks, Crv, and Created. A context menu is open over the first row, showing options like Preview, Edit, Tag, Reprocess, Remove, install tracking, List sequences, List targeting, List interactions, and Create targeting. On the right, a user menu is open, showing the user's name (Solix DSS), a list of pages (Product page, Support page), and account management options (Signed in as Solix Admin, Edit account, Sign out).

Name	Original	Assets	CPU Time	Link	Remote	HTML	Duration	Imp	Faces	Clicks	Crv	Created
12-03-2013.jpg	2.2 MB	294 KB	1s 860ms	No	No	No	10s	0	0	0	0	08/03/2013
Preview	1.62 MB	234 KB	1s 854ms	No	No	No	10s	0	0	0	0	08/03/2013
Edit	1.62 MB	234 KB	1s 858ms	No	No	No	10s	0	0	0	0	08/03/2013
Tag	1.62 MB	234 KB	1s 867ms	No	No	No	10s	0	0	0	0	08/03/2013
Reprocess	1.62 MB	234 KB	1s 935ms	No	No	No	10s	0	0	0	0	08/03/2013
Remove	6.69 MB	61.68 MB	6m 17s 623ms	No	No	No	1m 5s	0	0	0	0	08/03/2013
install tracking	11.46 MB	13.62 MB	5m 1s 440ms	No	No	No	26s	3	0	0	0	08/03/2013
List sequences	6.74 KB	166 KB	417ms	No	No	No	10s	0	0	0	0	08/03/2013
List targeting	26.46 KB	247 KB	453ms	No	No	No	10s	0	0	0	0	08/03/2013
List interactions	6.78 KB	266 KB	453ms	No	No	No	10s	0	0	0	0	08/03/2013
Create targeting	7.90 KB	318 KB	486ms	No	No	No	10s	0	0	0	0	08/03/2013
	9.47 KB	413 KB	440ms	No	No	No	10s	0	0	0	0	08/03/2013
	6.70 KB	181 KB	368ms	No	No	No	10s	0	0	0	0	08/03/2013



Add new element



Group selection/edition



Search elements



Import elements



„Search” button



Preview element (or click name)



Element owner



Setting tools



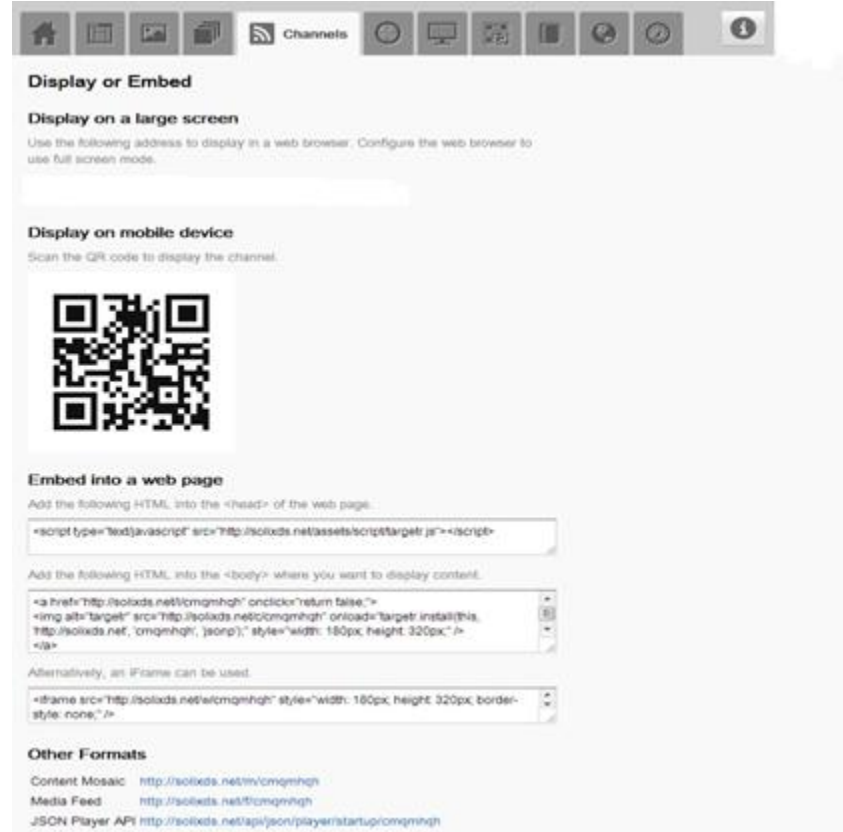
Additional options

- Links to support/product pages
- Aspect ratios of Contents, Channels, Sequences
- Account name
- Edit account
- Sign out

These options are available in Settings of elements.

Click  tools icon of element

- Channels, Sequences, Installations, Contents generate own webpage
- Channels and Sequences can be embedded in webpage – there are HTML codes
- Channels, Sequences and Installations generate QR code
- QR code can transfer interactive Channels or Sequences to mobile phones, it is possible to buy products from Contents with mobile phone




Display or Embed

Display on a large screen

Use the following address to display in a web browser. Configure the web browser to use full screen mode.

Display on mobile device

Scan the QR code to display the channel.



Embed into a web page

Add the following HTML into the <head> of the web page.

```
<script type="text/javascript" src="http://solixds.net/assets/scripts/target.js"></script>
```

Add the following HTML into the <body> where you want to display content.

```
<a href="http://solixds.net/cmqrhgh" onclick="return false;">

</a>
```







Alternatively, an iFrame can be used

```
<iframe src="http://solixds.net/cmqrhgh" style="width: 180px; height: 320px; border-style: none;" />
```


Other Formats

Content Mosaic <http://solixds.net/cmqrhgh>
Media Feed <http://solixds.net/cmqrhgh>
JSON Player API <http://solixds.net/api/json/player/startup/cmqrhgh>


Compatible media formats :

-  Pictures: JPEG, PNG, GIF up to 2160p
-  Movies:  , AVI, MP4, MPEG, MOV, MKV, FLV,... up to 2160p
- Live video streaming (very good connection required) and external video from HDMI input
-  PDF files converted to slides in Sequences (for > 20 pages use Advanced Options „limit” = „no of pages”)
-   RSS and dynamically changed contents of the permanent internet address
- Ticker (scrolling text bar for Channel) on the bottom of the screen
- HTML, SWF for interactive presentations - in external web browser (connection via Link on Content return after programmed resume time in player)

Downloaded from :

- Local disc
- Remote internet address with/without autoupdate incl. 
- Region of web pages converted to JPEG with autoupdate (weather, exchange rates, news...)
- Email with attached photos or videos directly to account for example for Account ID [ajdtqtp](mailto:ajdtqtp@pioneer.net.au): ajdtqtp@pioneer.net.au

Account ID

account-53127bf7-9b41-484f-8df5-16f942936f8f 

- Sequences of RSS Media feeds
- Sequences of Contents send from PC or Dropbox directory – after „one click” synchronisation. (For external Content Builder Applications)

Icon view

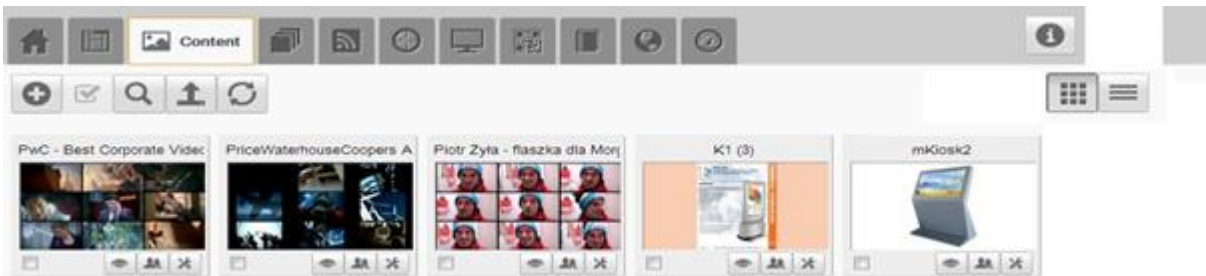


Table view with statistics

	Name	Original	Assets	CPU Time	Link	Remote	HTML	Duration	Imp	Faces	Clicks	Cnv	Created
<input type="checkbox"/>	PwC - Best Corporate Video Song of a	63.21 MiB	37.78 MiB	6m 4s 614ms	No	No	No	3m 41s	0	0	0	0	04/03/2013
<input type="checkbox"/>	PriceWaterhouseCoopers Ad.mp4	9.57 MiB	10.39 MiB	1m 32s 638ms	No	No	No	1m 2s	0	0	0	0	04/03/2013
<input type="checkbox"/>	Piotr Zyla - flaszkia dla Morgensterna	18.9 MiB	12.10 MiB	5m 31s 340ms	No	No	No	1m 7s	0	0	0	0	04/03/2013
<input type="checkbox"/>	K1 (3)	0	408 KiB	15s 200ms	No	No	No	10s	0	0	0	0	04/03/2013
<input type="checkbox"/>	mKosk2	0.80 MiB	212 KiB	541ms	No	No	No	10s	0	0	0	0	04/03/2013
<input type="checkbox"/>	mKosk1	106 KiB	110 KiB	341ms	No	No	No	10s	0	0	0	0	04/03/2013
<input type="checkbox"/>	Lighthouse.jpg	548 KiB	454 KiB		No	No	No	10s	246	0	0	0	14/02/2013

Content Editor

- Links to external web page
- Programable duration
- Pricing models
- Additional formats (Assets)

For each Content our server generates new formats, optimal for different screen sizes and data transfer speed.

For video we recomend to use H264 formats, default is 480p, but it is possible to convert in higher resolutions too.

For each player can be used optimal data format.

- Tags for quick searching
- List of connected channels

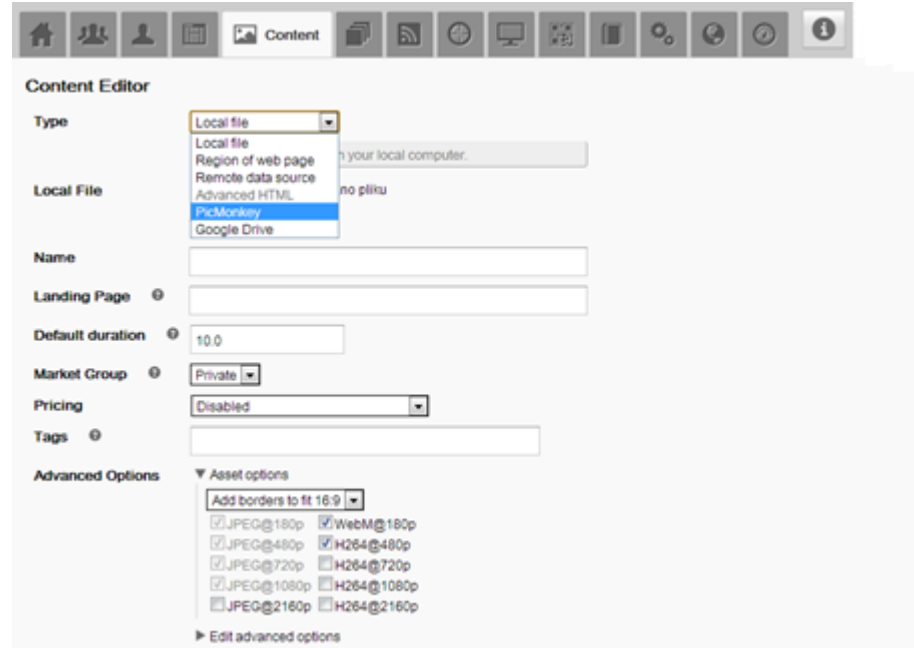
Advanced data sources

DreamSign Player for Android can also be linked to more advanced video data sources such as RTSP. This enables live video to be streamed from an HDMI port or remote server.

For example: **hdmi://localhost?port=2** display live video arriving at an HDMI input (available ports 0-3)

rtsp://192.168.0.19/axis-media/media.amp display live video from an Axis security camera

Extend the duration specified by the Content / Targeting to prevent frequent reinitialisation of the live video.



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Content Builder

DreamSign can use external web services to edit photos.

We have the connection with PicMonkey.

- Select Centents
- Add new Conntent
- Select PicMonkey
- Type in the name of Content
- Confirm
- Add new photo from local disk to PicMonkey editor
- Select Save after edition
- The new Conntent appears on server

Contents

The image shows two overlapping screenshots of a web application interface. The top screenshot displays the 'Content Editor' with a dropdown menu for 'Type' showing options: 'Local file', 'Region of web page', 'Remote data source', 'Advanced HTML', 'PicMonkey', and 'Google Drive'. The 'PicMonkey' option is selected. Below this, there are fields for 'Local File', 'Name' (containing 'New image'), and 'Landing Page'. The bottom screenshot shows the PicMonkey photo editor interface with a 'Basic Edits' sidebar containing options like 'Auto adjust', 'Crop', 'Rotate', 'Exposure', 'Colors', 'Sharpen', and 'Resize'. The main editing area contains a large white rectangle with the text 'DIGITAL SIGNAGE SYSTEMS' in bold black letters. The PicMonkey logo and a 'Save' button are also visible.

Optimalisation of Content resolution in player

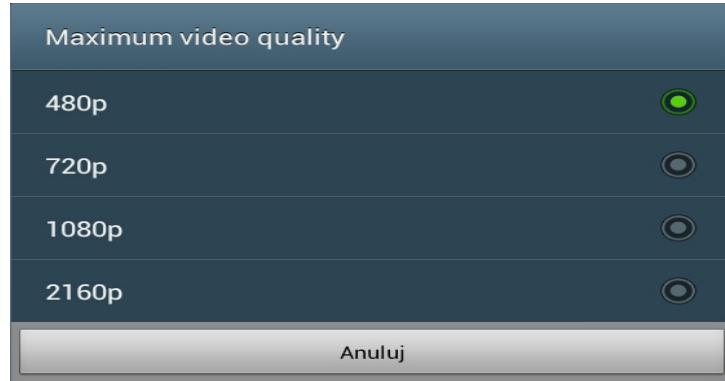
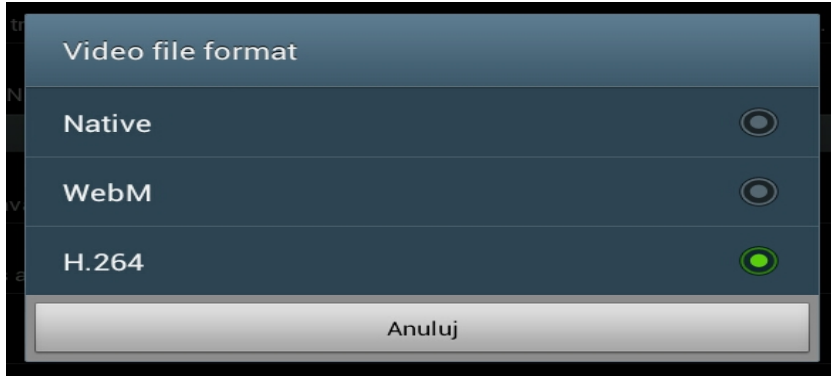
Each player can select one of media size - optimal for the screen resolution and data transfer speed.

The video formats resolutions :

Native, H.264 – 480p, 720p, 1080p, 2160p depending of source quality, WEBM – 480p.

We recomend to use H.264 formats they are allways compatible with players.

The images resolutions : 480p, 720p, 1080p, 2160p



Channel is a name of Content group

Channel Editor

- Name of channel
- Additional description
- QR code option
- Overlay image
- Additional options
- Tags for quick searching
- Pricing



The screenshot displays the 'Channel Editor' interface. At the top, there is a navigation bar with icons for home, list, image, folder, 'Channels', and other settings. The main content area is titled 'Channel Editor' and contains the following fields and options:

- Name:** A text input field.
- Description:** A larger text input field.
- Market Group:** A dropdown menu currently set to 'Private'.
- Pricing:** A dropdown menu currently set to 'Disabled'.
- Tags:** A text input field.
- Advanced Options:**
 - Display QR Code: When the QR code is scanned, content will start playing on the new device.
 - Enable overlay image
 - Edit advanced options:** A section with two input fields separated by an equals sign, and a button labeled 'Add new advanced option'.

Statistics

- Number of impressions
- Number of clients looks
- Number of clicks
- Number of conversions to external web page
- Number of QR code scans

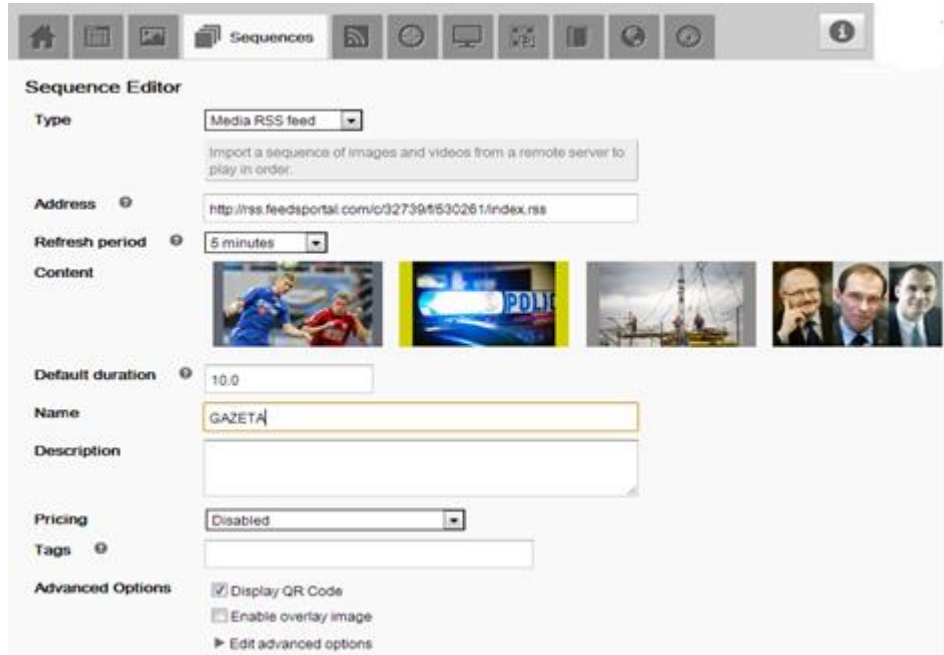


	Name	Shortcut	Items	Duration	Imp	Faces	Scans	Clicks	Cnv	Active
<input type="checkbox"/>	1 Transparentie DEMO	ctunoka	2	2m	19,817	0	3	0	0	10/27/12
<input type="checkbox"/>	1hanal	cmvagik	2	30s	986	0	0	6	0	8/30/12
<input type="checkbox"/>	2 Transparenty na LCD	csulgz1	1	1m	10,237	0	0	0	0	10/29/12
<input type="checkbox"/>	3 transparenty z innymi	ctmqwt	4	2m 4s	2,983	0	2	0	0	10/29/12

Sequence is a simply Channel with looped Contents

Sequence can be added to other Channels like Content or to Installation like Channel
(only in one zone)

Sequence can display photos
and videos sent from local disc
or from external services of
RSS Media feed. For example
<http://screenfeed.com/>
Sequences connected to
Media RSS feeds are
automatically refreshed.
Refresh period is from 5
minutes to 5 days



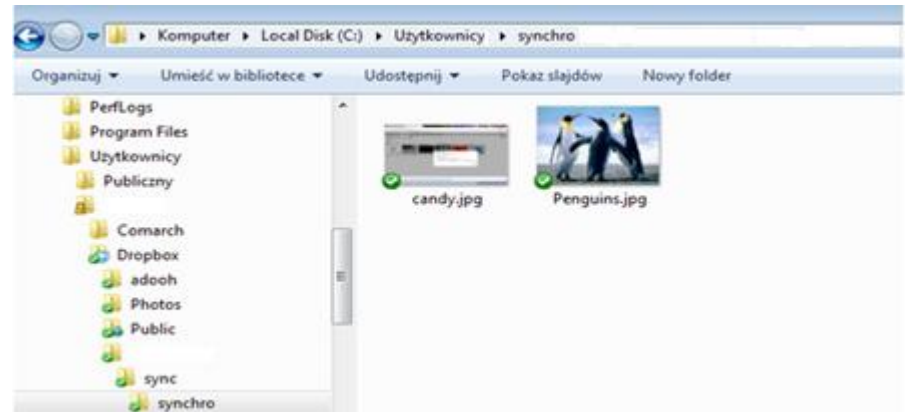
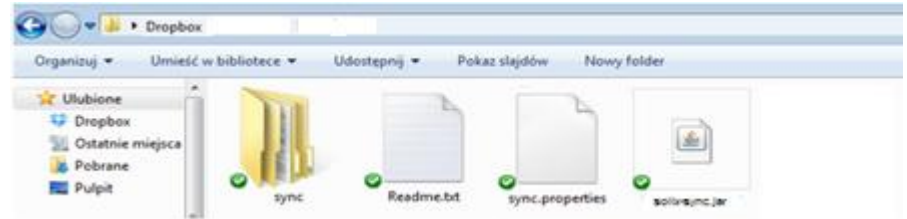
The screenshot shows the 'Sequence Editor' interface. At the top, there is a navigation bar with icons for home, content, sequences, and other settings. The main area is titled 'Sequence Editor' and contains the following fields:

- Type:** A dropdown menu set to 'Media RSS feed'. Below it is a text box with the instruction: 'Import a sequence of images and videos from a remote server to play in order.'
- Address:** A text box containing the URL 'http://rss.feedportal.com/c/32739#530261/index.rss'.
- Refresh period:** A dropdown menu set to '5 minutes'.
- Content:** A row of four thumbnail images: a soccer player, a police officer, an offshore oil rig, and three men in suits.
- Default duration:** A text box containing '10.0'.
- Name:** A text box containing 'GAZETA'.
- Description:** An empty text box.
- Pricing:** A dropdown menu set to 'Disabled'.
- Tags:** An empty text box.
- Advanced Options:** A section with three checkboxes: 'Display QR Code' (checked), 'Enable overlay image' (unchecked), and 'Edit advanced options' (a link).

Sequences can be sent directly from PC or Dropbox to the server

There is a special Synchroniser option which send Sequences of Contents to the server after clicking.

1. Unzip the Synchroniser data
2. Create subdirectories with the names of Sequences and send Contents there
3. Open DreamSign-sync.jar file
4. For the first time usage type in your login, password, path to the „sync” directory and duration of photos
5. Click „Upload”
6. Create Targeting
7. Next time you only need to copy new Contents into the right folder



Targeting connects Contents with Channels

- Order of Contents
- Duration of Contents
- Start and end of Campaign
- Period of campaign
- Frequency of impressions
- Maximal lifetime of Content
- GPS location of Campaign
- Costs of Campaign : impressions, clicks, faces, QR, conversions
- Tags for quick searching
- Advanced options
- Status of Campaign/Targeting

Targeting

The screenshot shows the 'Targeting Editor' interface with the following fields and options:

- Content:** A grid of content thumbnails. Below them are buttons for 'Select content' and 'Select sequence'.
- Channel:** A text input field containing 'pjh' and a 'Select channel' button.
- Duration:** A text input field containing '16.0'.
- Start Date:** A text input field containing '08-03-2013'.
- End Date:** A text input field containing '14-03-2013'.
- Active Period:** A dropdown menu set to 'User defined' and 'Europe/Western'. Below it is a calendar grid with columns for 'Time block', 'Date', 'Month', and 'Day'. A tooltip on the right says 'Use Shift/Ctrl/Cmd and click for multiple time blocks.' Below the calendar is a 'Time block size' dropdown set to '1 hour'.
- Repeat Delay:** A dropdown menu with options: 'Show each cycle', '10 minutes', '15 minutes', '20 minutes', '30 minutes', and '1 hour' (highlighted).
- Max age:** A dropdown menu set to 'Disabled'.
- Location:** A checkbox labeled 'Select target by location'.
- Pricing:** A dropdown menu set to 'Disabled'.
- Logging:** A checkbox labeled 'Impressions create interaction records'.
- Tags:** A text input field.
- Advanced Options:** A link 'Edit advanced options'.
- Content Owner:** A dropdown menu set to 'Approved user'.
- Channel Owner:** A dropdown menu set to 'Approved user'.
- State:** A dropdown menu set to 'Unapproved (Setup)'.

Table view of Targeting

Unapproved
 Denied
 Pending
 Inactive
 Live
 Expired
 Fulfilled

	Content	Channel	Duration	Start Date	End Date	Cost	Max Cost	Currency	Imp	Faces	Clicks	Cnv	Status
<input type="checkbox"/>	mKiosk1	Softomasz	10s						0	0	0	0	Live
<input type="checkbox"/>	K1 (3)	Softomasz	10s						0	0	0	0	Live
<input type="checkbox"/>	PriceWaterhouseCoopers Ad.mp4	Softomasz	1m 2s						0	0	0	0	Live
<input type="checkbox"/>	PwC - Best Corporate Video Song of z	Softomasz	3m 41s						0	0	0	0	Live
<input type="checkbox"/>	mKiosk2	Softomasz	10s						0	0	0	0	Live
<input type="checkbox"/>	Piotr Żyła - flaszka dla Morgensterna.r	Softomasz	1m 7s						0	0	0	0	Live
<input type="checkbox"/>	Lighthouse.jpg	Softomasz	10s						248	0	0	0	Live

Here is information about campaign of Contents – duration, active period, cost, budget, statistics of interactions and status

Installation Editor

- Name of installation
- Many layouts
- Emergency channel for quick information
- Definition of active period
- GPS location of Installation on Google map
- Tags for quick searching
- Advanced options

The screenshot displays the 'Installation Editor' interface. At the top, there is a navigation bar with icons for home, back, forward, search, and other functions. The main area is titled 'Installation Editor' and contains the following sections:

- Name:** A text input field containing 'Test Channel'.
- Description:** A larger text input field.
- Layout:** A section with two sub-sections:
 - Single zone layouts:** Four square icons, each containing the number '1'. Below them are radio buttons for '16:9 Output' (selected), '4:3 Output', '3:4 Output', and '9:16 Output'.
 - Multi zone layouts:** A grid of 12 icons representing different multi-zone arrangements. Each icon has radio buttons below it for '16:9 Output', '4:3 Output', or '9:16 Output'.
- Zone 1:** A dropdown menu set to '16:9', with buttons for 'None', 'All content in account', 'Select sequence', and 'Select channel'.
- Active Period:** A dropdown menu set to 'Always'.
- JScreenFix:** A dropdown menu set to 'Never'.
- Emergency Channel:** A dropdown menu set to 'None', with buttons for 'Select sequence' and 'Select channel'.
- Current Location:** A checkbox labeled 'Select installation location'.
- Tags:** A text input field.
- Advanced Options:** A button labeled 'Edit advanced options'.

Management of Installations

All options of management are available on Instalaltion page.

Here is the DreamSign player application to download and link with a new device.

Name	Shortcut	Channel	EA Player	Imp	Faces	Scans	Clicks	Crw	Created	Last Comms	Status
nonzat	lujxepz	Doroza		0	0	0	0	0	01/02/2013		Not installed
Preview	jepaan1	Multiple	Solix DS Player 10.38	4,711	0	3	0	0	19/02/2013	25/02/2013	Offline
Status	ilievve	No channel selected		0	0	0	0	0	30/11/2012		Not installed
Edit	inbuarg	Multiple		0	0	0	0	0	01/02/2013		Not installed
Tag	saxbda	ROTONDA	Web Browser	0	0	0	3	0	24/02/2013	24/02/2013	Offline
Remove	lejekls	totem reunion	Solix DS Player 10.43	2,792	0	6	0	0	06/12/2012	11.01	Online
Install	isyrzsk	test channel 2	Solix DS Player 7.01	17,024	0	0	0	0	20/08/2012	19/10/2012	Offline
Change channel	lodqsk	O2		0	0	0	0	0	05/11/2012		Not installed
Emergency on	isheedl	multivco	Solix DS Player 5.38	19	0	0	0	0	24/08/2012	24/08/2012	Offline
Restart	igzoxyl	Multiple	Solix DS Player 10.22	63	0	0	0	0	10/01/2013	10/01/2013	Offline
List Interactions	larvrya		Solix DS Player 10.12	0	0	0	0	0	20/12/2012	12/02/2013	Offline
	kkqkfe	AUGUSTOW_POLOMARKET	Solix DS Player 10.12	72	0	0	0	0	20/12/2012	06/03/2013	Offline

Statistics

Home Calendar Images Documents RSS Clock Installations Settings Help Refresh

+ ✓ 🔍 ⬆️ 🔄

Device Provisioning
[Link using installation shortcut](#)

	Name	Shortcut	Channel	EA	Player	Imp	Faces	Scans	Clicks	Conv	Created	Last Comms	Status
<input type="checkbox"/>	malow player 4	1zypvj5	SUWALK_AQUAPARK	Solix DS Player	10.38	607,199	0	0	0	0	01/08/2012	14:41	Online
<input type="checkbox"/>	malow player 6	1xa1kpc	ELK_POLOMARKET	Solix DS Player	8.01	233,920	0	0	0	0	02/11/2012	14:40	Online
<input type="checkbox"/>	malow player 8	1krqkfc	AUGUSTOW_POLOMARKET	Solix DS Player	10.12	66	0	0	0	0	20/12/2012	04/03/2013	Offline
<input type="checkbox"/>	malow player 7	1ztvplg	SUWALK_POLOMARKET	Solix DS Player	10.12	86	0	0	0	0	20/12/2012	04/03/2013	Offline
<input type="checkbox"/>	malow player 3	1hrtgpo	SUWALK_PLAZA_2	Solix DS Player	10.38	168,637	0	0	0	0	24/06/2012	04/03/2013	Offline

Status

IP Address: 46.170.29.12

Last comms at 6 Mar 2013 14:41:32
 Next comms expected at 6 Mar 2013 14:42:32
 Total display time 113d 7h 33m

Android Device: Single
Android Manufacturer: CVTE
Android Model: Arsay Android Stick
Android Version: 2.3.4
Cache Failures: 3
Cache Free: 0.83 GB
Cache Size: 104 MB
Comms Failures: 111
Comms In: 2.93 MB
Comms Out: 1.53 MB
Device Up Time: 5h 14m 20s
Media Checks: 13
Media Downloads: 13
Media In: 59.63 MB
Media Out: 2.0 KB
Memory Free: 197 MB
Player Up Time: 16759 13h 41m 11s
Screen Height: 1,050
Screen Width: 1,886
Transport: UDP
UDP Delay: 149ms
UUID: e0c1f5a8-3458-45a5-8a03-83c940e41455
Video Failures: 0

Installation is an advertising player

- Tablets 7" – 55" with build-in Android OS
- Android players, single Core, Dual WiFi/LAN/3G

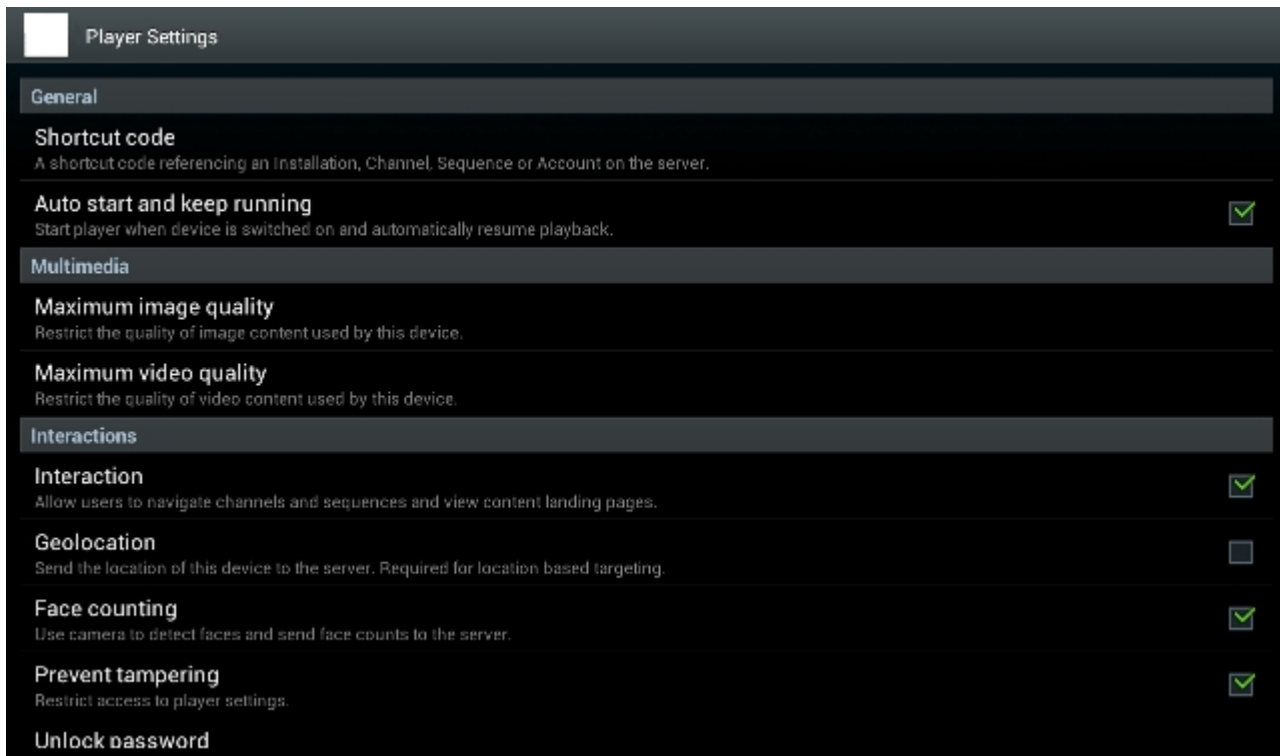


Installations – player menu



To open the menu of Player (Installation)
Connect PC mouse, click the right button and select Settings.
Here is the field with the ID (shortcut) of Installation. It is possible to connect public Channels or Sequences

We deliver players (Installations) with preinstaled software and autostart, you need only to type in the ID – shortcut of new installation, which will be generated if you are creating new Installation. You can also link new installation to your account – <http://pioneer.net.au/link>
For WiFi connection you need to type in password in Settings of Android device, for cable connection you need only to connect cable.



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Installations – player menu

It is possible to protect the access to settings with password using the options Prevent Tampering and Unlock Password.

There is only active icon of restart player, but to change settings you should type in password.



Player Settings

Always on top
Keep player on top of all other windows. EXPERIMENTAL.

Networking

Server address
The web address of the server used for communications.

Internet streaming
Stream videos and images across the internet when not cached locally.

Use UDP
Use lightweight UDP for communication.

Verify signatures
Require response data to be signed and verified.

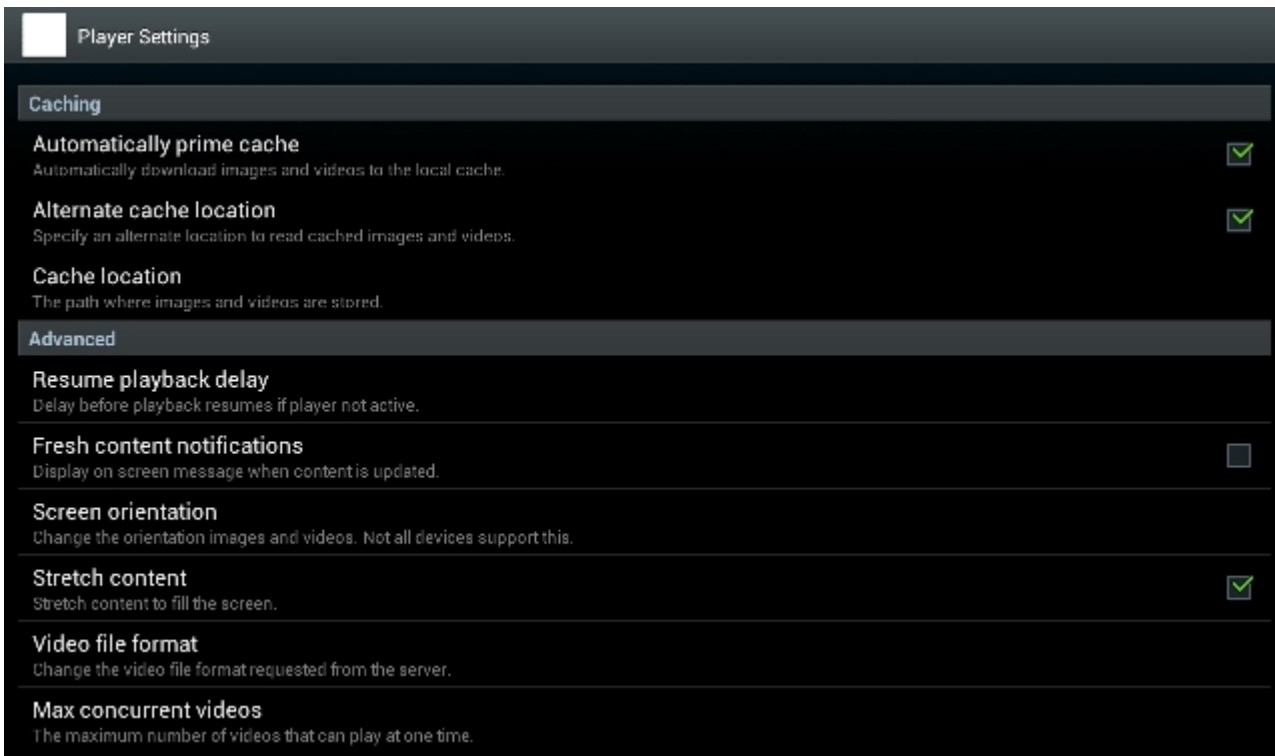
Enable HTTP proxy
Use a caching proxy on the local network to reduce Internet traffic.

HTTP proxy host
The hostname of the proxy server.

HTTP proxy port
The port number of the proxy server.

Offline mode
Disable network communications. Ensure content is cached first.

Caching



The screenshot shows a dark-themed settings menu for a video player. At the top, there is a header 'Player Settings' with a small white square icon to its left. Below this, several settings are listed, each with a title and a brief description. The 'Face counting test' setting includes a green checkmark icon on the right. The menu is divided into sections by horizontal lines and a dark grey background for the section headers.

Player Settings

Video file format
Change the video file format requested from the server.

Max concurrent videos
The maximum number of videos that can play at one time.

Video playback strategy
Change video playback strategy to improve reliability.

Update strategy
Change the mechanism used to update this app.

Face counting test
Display face counting information at the bottom of the screen. Face counting must also be enabled.

Market Groups

Channel market group
The market group name used to populate the list of channels.

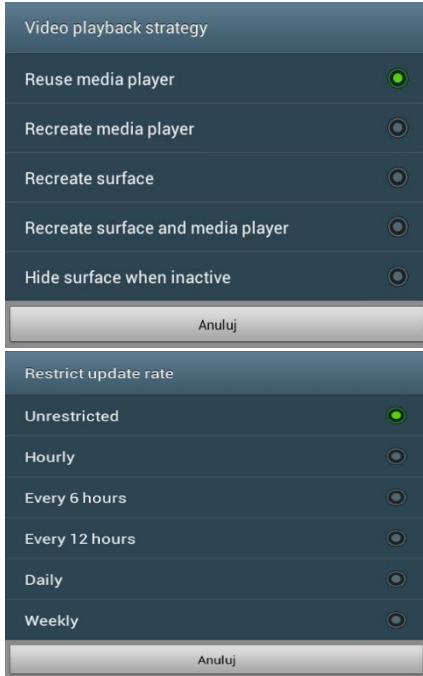
Sequence market group
The market group name used to populate the list of sequences.

Desktop Widget

Widget shortcut code
Link desktop widget to an account, sequence or channel.

Widget server
The web address of the server used for communications.

Optional settings of player



Video playback strategy

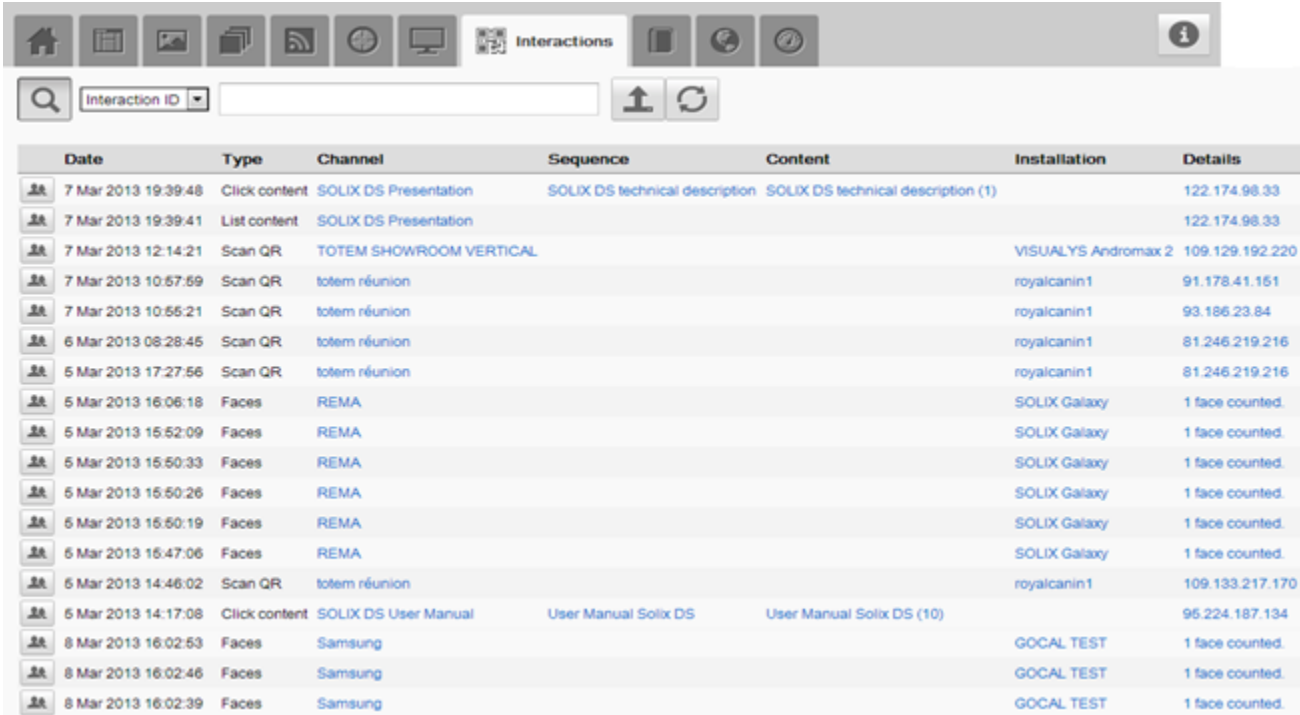
if a video playback doesn't work stabil – select Recreate media player or other option

Restrict update rate

Player is looking for updates on server after each Content, it generates data transfer.

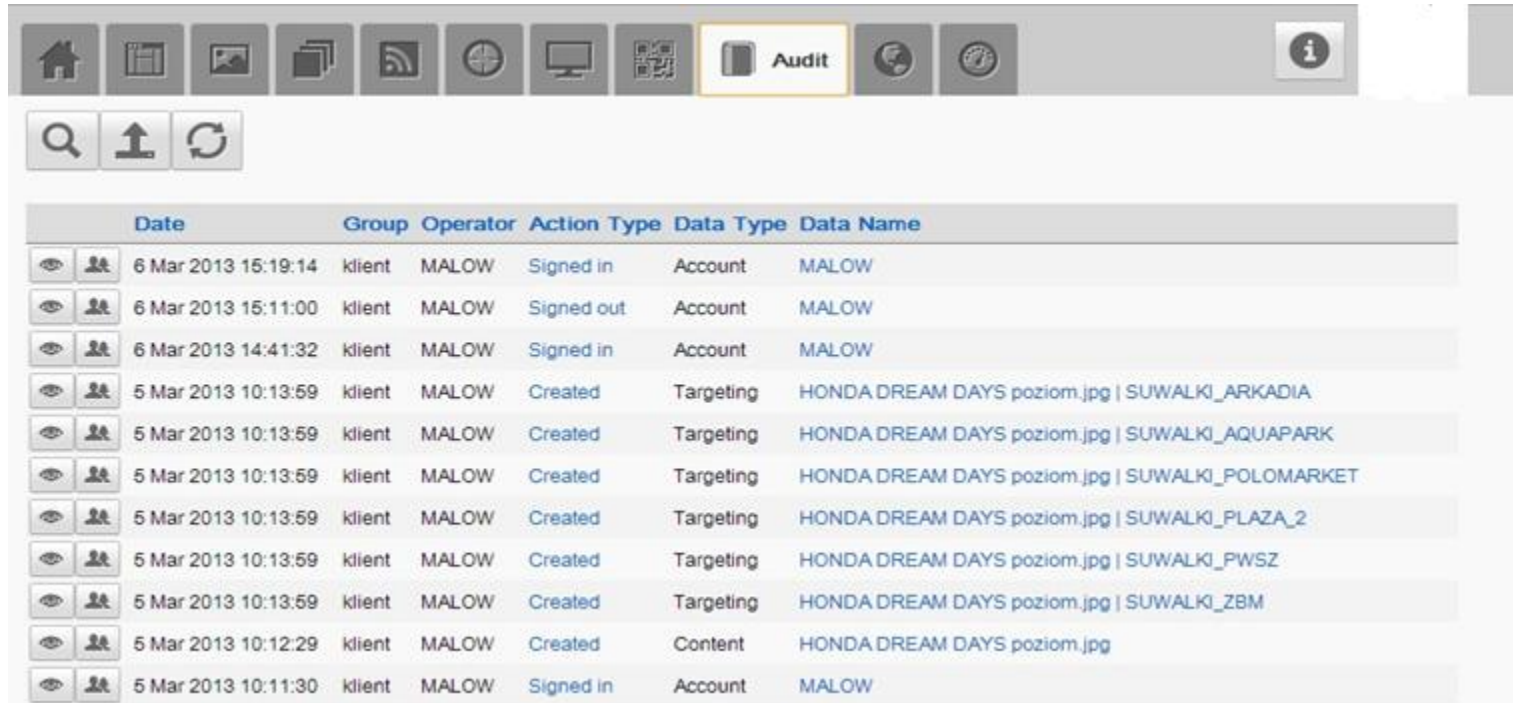
This option can reduce data transfer (important for 3G connection), but after the change the status of the player is Offline. The administration account has only information about last communication with the player.

Each clients interaction with Contents, Channels, Sequences or Installation can be checked here. It is possible to send interaction report.

























Date	Type	Channel	Sequence	Content	Installation	Details
7 Mar 2013 19:39:48	Click content	SOLIX DS Presentation	SOLIX DS technical description	SOLIX DS technical description (1)		122.174.98.33
7 Mar 2013 19:39:41	List content	SOLIX DS Presentation				122.174.98.33
7 Mar 2013 12:14:21	Scan QR	TOTEM SHOWROOM VERTICAL			VISUALYS Andromax 2	109.129.192.220
7 Mar 2013 10:57:59	Scan QR	totem réunion			royalcanin1	91.178.41.151
7 Mar 2013 10:55:21	Scan QR	totem réunion			royalcanin1	93.186.23.84
6 Mar 2013 08:28:45	Scan QR	totem réunion			royalcanin1	81.246.219.216
5 Mar 2013 17:27:56	Scan QR	totem réunion			royalcanin1	81.246.219.216
5 Mar 2013 16:06:18	Faces	REMA			SOLIX Galaxy	1 face counted.
5 Mar 2013 15:52:09	Faces	REMA			SOLIX Galaxy	1 face counted.
5 Mar 2013 15:50:33	Faces	REMA			SOLIX Galaxy	1 face counted.
5 Mar 2013 15:50:26	Faces	REMA			SOLIX Galaxy	1 face counted.
5 Mar 2013 15:50:19	Faces	REMA			SOLIX Galaxy	1 face counted.
5 Mar 2013 15:47:06	Faces	REMA			SOLIX Galaxy	1 face counted.
5 Mar 2013 14:46:02	Scan QR	totem réunion			royalcanin1	109.133.217.170
5 Mar 2013 14:17:08	Click content	SOLIX DS User Manual	User Manual Solix DS	User Manual Solix DS (10)		95.224.187.134
8 Mar 2013 16:02:53	Faces	Samsung			GOCAL TEST	1 face counted.
8 Mar 2013 16:02:46	Faces	Samsung			GOCAL TEST	1 face counted.
8 Mar 2013 16:02:39	Faces	Samsung			GOCAL TEST	1 face counted.

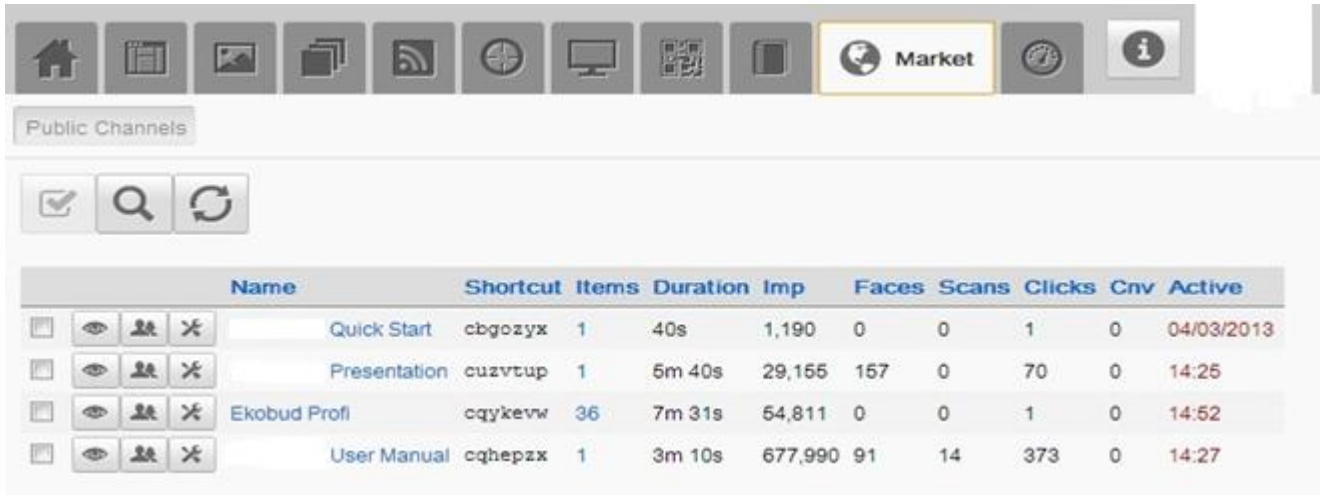
Administrator can check all activities of accounts



The screenshot shows a web interface with a navigation bar at the top containing icons for Home, Calendar, Photos, Documents, RSS, Location, Monitor, QR Code, Audit (highlighted), and other settings. Below the navigation bar is a search and refresh section. The main content is a table with the following columns: Date, Group, Operator, Action Type, Data Type, and Data Name. The table contains 12 rows of activity logs.

	Date	Group	Operator	Action Type	Data Type	Data Name
 	6 Mar 2013 15:19:14	klient	MALOW	Signed in	Account	MALOW
 	6 Mar 2013 15:11:00	klient	MALOW	Signed out	Account	MALOW
 	6 Mar 2013 14:41:32	klient	MALOW	Signed in	Account	MALOW
 	5 Mar 2013 10:13:59	klient	MALOW	Created	Targeting	HONDA DREAM DAYS poziom.jpg SUWALKI_ARKADIA
 	5 Mar 2013 10:13:59	klient	MALOW	Created	Targeting	HONDA DREAM DAYS poziom.jpg SUWALKI_AQUAPARK
 	5 Mar 2013 10:13:59	klient	MALOW	Created	Targeting	HONDA DREAM DAYS poziom.jpg SUWALKI_POLOMARKET
 	5 Mar 2013 10:13:59	klient	MALOW	Created	Targeting	HONDA DREAM DAYS poziom.jpg SUWALKI_PLAZA_2
 	5 Mar 2013 10:13:59	klient	MALOW	Created	Targeting	HONDA DREAM DAYS poziom.jpg SUWALKI_PWSZ
 	5 Mar 2013 10:13:59	klient	MALOW	Created	Targeting	HONDA DREAM DAYS poziom.jpg SUWALKI_ZBM
 	5 Mar 2013 10:12:29	klient	MALOW	Created	Content	HONDA DREAM DAYS poziom.jpg
 	5 Mar 2013 10:11:30	klient	MALOW	Signed in	Account	MALOW

There are public Channels available for all accounts



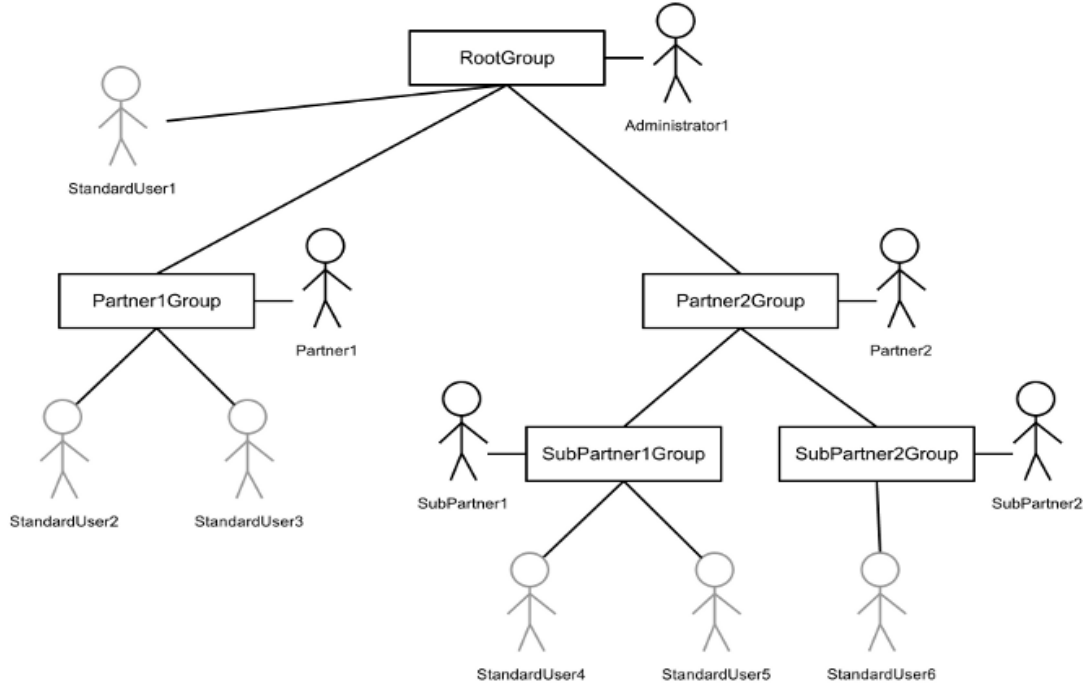
The screenshot displays the 'Markets' section of the Pioneer Computers interface. At the top, a navigation bar includes icons for Home, Calendar, Images, Documents, RSS, Location, Monitor, QR Code, Mobile, Market (highlighted), and Information. Below the navigation bar, the 'Public Channels' section is visible, featuring a search bar with a checkmark, search, and refresh icon. The main content is a table listing public channels with columns for Name, Shortcut, Items, Duration, Imp, Faces, Scans, Clicks, Cnv, and Active.

	Name	Shortcut	Items	Duration	Imp	Faces	Scans	Clicks	Cnv	Active
<input type="checkbox"/>	Quick Start	cbgozyx	1	40s	1,190	0	0	1	0	04/03/2013
<input type="checkbox"/>	Presentation	cuzvtup	1	5m 40s	29,155	157	0	70	0	14:25
<input type="checkbox"/>	Ekobud Profi	cgykevww	36	7m 31s	54,811	0	0	1	0	14:52
<input type="checkbox"/>	User Manual	cqhepzx	1	3m 10s	677,990	91	14	373	0	14:27

It is possible to check the current parameters of the server



Our partners can create own structures of accounts and users



Group Settings Editor

For this advanced option the administrator permission is necessary.

Each group can be customized and is connected with defined accounts.

- URL address
- Domain name
- Links
- News & Information
- Logos, graphics
- Language
- Time zone
- Registration settings

Groups management

The screenshot shows the 'Group Settings Editor' interface. At the top, there is a navigation bar with icons for home, groups, user, calendar, image, folder, mail, clock, monitor, and settings. The main content area is titled 'Group Settings Editor' and contains the following sections:

- Group name:** client
- Group address:** http://solixds.net/client (Requires DNS setup)
- Group settings:**
 - Parent group:** aopen
 - Product name:** Solix DSS
 - Product page:** http://solixds.com/introduction.html
 - Support page:** http://solixds.net/s/cuzvtup
 - News and Information:** A rich text editor with a toolbar containing icons for bold, italic, underline, strikethrough, link, unlink, list, indent, outdent, font color, background color, and font size.
- Sign out page:** /assets/custom/image/solix.png
- Large branding image:** /assets/custom/image/solix.png (with 'Wybierz pliki' and 'Import' buttons)
- Small branding image:** /assets/custom/image/solix_small.png (with 'Wybierz pliki' and 'Import' buttons)
- Favicon:** solixds.net.2.ico (with 'Wybierz pliki' and 'Import' buttons)
- Custom CSS:** (with 'Wybierz pliki' and 'Import' buttons)
- Default locale:** en_GB
- Default Time Zone:** Europe/Warsaw
- Registration settings:**
 - Enable manual registration
 - Enable manual sign in
 - Enable OpenID registration
 - Enable OpenID sign in
 - Use OpenID email address for account selection. (less secure)
 - Allow multiple registrations from a single IP address.

Group Settings Editor

- API settings
- Market channels, contents, sequences
- Currencies
- Aspect ratios
- Default aspect ratio
- Tags
- Content building URLs (soon)
- Advanced options for new elements and general settings
- Group limits
- Account limits

Groups management

Janrain API key	<input type="text"/>
Janrain config name	<input type="text" value="targetr"/>
Market channel groups	<input type="text" value="Public"/>
Market content groups	<input type="text"/>
Market sequence groups	<input type="text"/>
Currencies	<input type="text" value="EUR, PLN, USD, GBP"/>
Aspect ratios	<input type="text" value="16:9, 4:3, 9:16, 9:2, 3:4, 96:9"/>
Default aspect ratio	<input type="text" value="16:9"/>
Account tags	<input type="text"/>
Content tags	<input type="text"/>
Sequence tags	<input type="text"/>
Channel tags	<input type="text"/>
Targeting tags	<input type="text"/>
Installation tags	<input type="text"/>
Content building URLs	<input type="text"/>
Advanced Options	<p>Edit advanced options</p> <p>Edit default new account advanced options</p> <p>Edit default new content advanced options</p> <p><input type="text" value=""/> = <input type="text"/></p> <p><input type="button" value="Add new advanced option"/></p> <p>Edit default new sequence advanced options</p> <p>Edit default new channel advanced options</p> <p>Edit default new targeting advanced options</p> <p>Edit default new installation advanced options</p>
Group Limits	<p>Max accounts <input type="text" value="100"/></p> <p>Maximum installations <input type="text" value="1,000"/></p> <p>Maximum content <input type="text" value="10,000"/></p> <p>Maximum storage (MB) <input type="text" value="2,000"/></p>
New Account Limits	<p>Maximum installations <input type="text" value="1"/></p> <p>Maximum content <input type="text" value="10"/></p> <p>Maximum storage (MB) <input type="text" value="150"/></p>

Account Editor

- Group name
- Login/password
- Permissions
- Time zone
- Access to other accounts
- List of accounts with access
- Tags
- Advanced options
- Tool to link other accounts
- Account limits

Groups management

The screenshot shows the 'Account Editor' interface. At the top is a navigation bar with icons for Home, users, calendar, images, documents, RSS, clock, monitor, and settings. The main content area is titled 'Account Editor' and contains the following fields and options:

- Group:** A dropdown menu with 'aopen' selected.
- Parent group:** An empty text input field.
- Account Name:** A text input field containing 'vincent'.
- Email:** A text input field containing 'vincentvandermeer@aopen'.
- Password:** An empty text input field.
- Confirm Password:** An empty text input field.
- Permissions:** A list of checkboxes: Administrator, Group view permission, Group modify permission, Enable full functionality, and Accept emails containing content.
- Notification:** A grey box containing the text: 'Content emailed to: aapbhjq@solixds.net will be added to this account.'
- Default Time Zone:** A dropdown menu with 'Europe/Warsaw' selected.
- Can Access:** A text input field containing 'No other accounts'.
- Have Access:** A text input field containing 'AOPEN-FAE M Full Access' with a 'Revoke' button next to it.
- Tags:** An empty text input field.
- Advanced Options:** A section with a '▼ Edit advanced options' dropdown, an empty text input field, and an 'Add new advanced option' button.
- Link Accounts:** A section with a '▼ Link Accounts' dropdown, a text input field containing 'Grant another account access to data in this account.', and two sub-fields: **Account ID** (containing 'account-8637978d-c88e-4a6d-ab2c-4e867fc8029f') and **Trusted Account ID** (empty). Below these are checkboxes for Show content, channels and targeting in this account. and Can modify content, channels and targeting in this account., along with a 'Grant Access' button.
- Account Limits:** A section with three rows: **Maximum installations** (1), **Maximum content** (100), and **Maximum storage (MB)** (500).

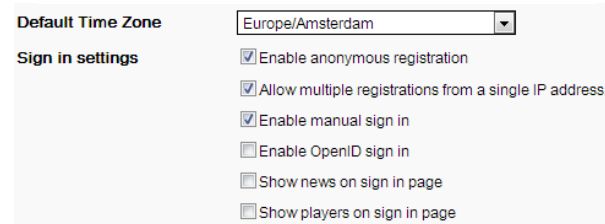
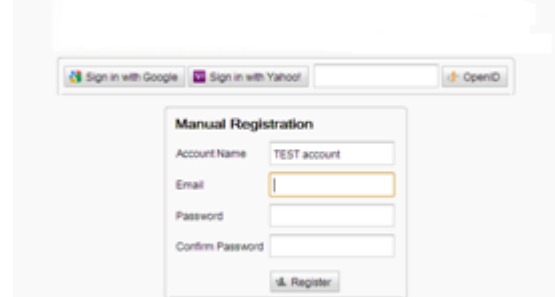
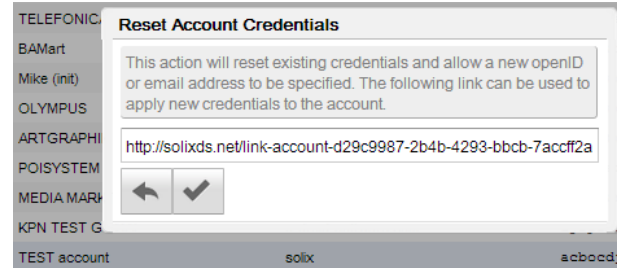
At the bottom left, there are two small icons: a left arrow and a checkmark.

Registration link functionality for group administrators

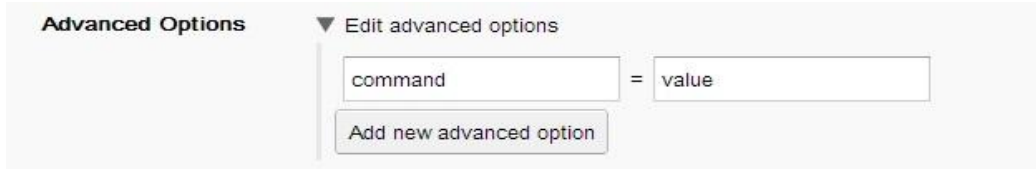
- Administrators can create new accounts without specifying an email address and password.
- Using the **Registration link** option, administrators can send a link to new users.
- The link allows new users to associate their chosen credentials to the new account, define login and password. See sample screenshots of new TEST account : registration link, sign in page of new account and group setting,
- This functionality is best used with anonymous registration disabled.

News and information on sign in page can be shown / hidden.

Players on sign in page can be shown / hidden.



There are advanced options for each elements



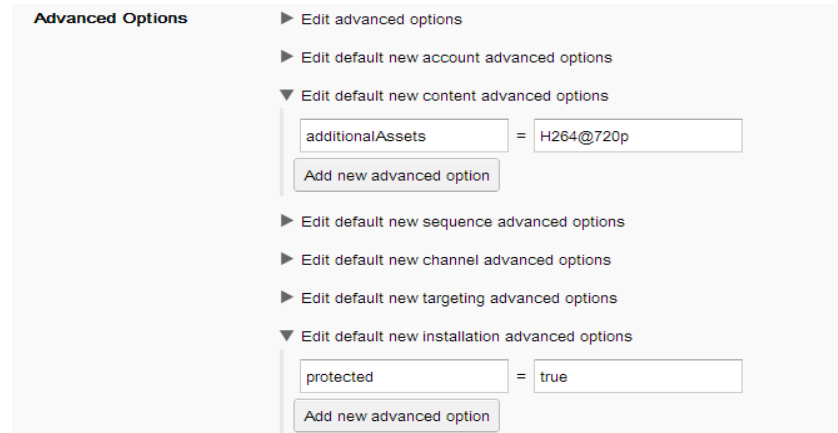
The screenshot shows a panel titled "Advanced Options" with a dropdown menu set to "Edit advanced options". Below the menu, there is a form with two input fields: the left one contains the text "command" and the right one contains "value", separated by an equals sign. Below the form is a button labeled "Add new advanced option".

The structure of Advanced options : in left field type in command and in the right one- value

Advanced options are available for Contents, Channels, Sequences, Instalaltions, Targettings, Accounts and Groups.

For example

- To protect an element from removing use command „protected” and value „true”
- To have higher resolution of video H264 use command „additionalAssets” value „H264@720p”



The screenshot shows a panel titled "Advanced Options" with a list of expandable sections. The sections are: "Edit advanced options", "Edit default new account advanced options", "Edit default new content advanced options", "Edit default new sequence advanced options", "Edit default new channel advanced options", "Edit default new targeting advanced options", and "Edit default new installation advanced options". The "Edit default new content advanced options" section is expanded, showing a form with two input fields: the left one contains "additionalAssets" and the right one contains "H264@720p", separated by an equals sign. Below the form is a button labeled "Add new advanced option".

Advanced options for Contents

Name	Values	Description
background	#000000 (Colour in hex)	The colour of the background of the generated RSS image or web page region (if content ratio does not match). [Web Capture and Text RSS only]
color	#FFFFFF (Colour in hex)	The colour of the text. [Text RSS only]
font	Serif Sans-Serif	The font used for text rendering. [Text RSS only]
scale	0.5 - 2	Scale the text. [Text RSS only]
remoteRefreshPeriod	60000 - 2147483647	The minimum number of milliseconds between refreshing remote content. This is useful for Web Capture and RSS feeds for throttling requests for content. Default is 60000 (one minute). Content is only updated if there is at least one active player linked to a channel containing the content. [Web Capture and Text RSS only]
webCaptureDelay	0 - 30000	Delays capturing the contents of a web page. The delay is in milliseconds. Increasing the delay may be necessary to successfully capture web pages which load content asynchronously such as Twitter components. [Web Capture only]

Advanced options for Channels

Name	Values	Description
showMosaic	true false	Show the view as mosaic button on the channel. This only displays when the pointer is moved over the DreamSign area. Not shown on Android DreamSign Player.
showQr	true false	Show the QR code on the channel. The QR code allows viewers to display the channel on mobile devices and interact with content. If the showQr advanced option is added to the installation or targeting it will override the channel setting.
qrPosition	opleft topright bottomleft bottomright	Specifies where the QR code should be positioned on the channel.
qrDestination	[url] live	By default, scanning the QR code directs the user to the JavaScript player where they will see the active channel. An alternate landing page can be specified using this option. If "live" is specified, the user will be directed straight to the landing page of the content currently displaying on the channel.
showLink	true false	Show the follow link and allow clicks to navigate to the destination website. This only displays when the pointer is moved over the DreamSign area when the content has a destination address. JavaScript player only.
showNavigation	true false	Show the navigate forward and navigate backward buttons and allow navigation. These are only displayed when the pointer is moved over the DreamSign area. JavaScript player only.
transitionPeriod	0 to 2000 500	The number of milliseconds (thousandths of a second) that should be spent fading between content. On slow devices this can be set to 0 to disable.
scrollingText	[any text]	A message to scroll at the bottom of the channel. Android players only.
scrollingTextSize	0-100 5	The relative size of the scrolling text in relation to the height of the channel.
scrollingTextSpeed	1-1000 100	The speed the text moves horizontally in pixels per second.
scrollingTextColor	0xFFFFFFFF	The colour of the scrolling text
scrollingTextBackground	0x000000	The colour behind the scrolling text

Advanced options for Channels

Name	Values	Description
embedInteraction	false true	Allow the user to interact with embedded content (such as flash media). When enabled, navigation through additional content items is not possible while embedded content is displayed.
limit	0 to 1000	Maximum number of items to display in the loop.
order	distance random createdDate	Overrides the order items are displayed. Set to distance to order targeting with locations by distance from the player. This is best used in conjunction with limit. For example order=distance and limit=5 will cause the channel to display 5 closest items to player. Set to createdDate to order targeting by the date targeting was created. To display only the most recent item added to a channel, the following options could be used order=createdDate and limit=1.
seed	[any text]	A different seed will results in a different order, but the order will be constant until targeting or seed changes.
minImageHeight	180 - 2160	Overrides minimum image resolution chosen for automatic selection in JavaScript Player.
maxImageHeight	180 - 2160	Overrides maximum image resolution chosen for automatic selection in JavaScript Player.

Advanced options for Installations

Android player settings

The Android DreamSign player has a number of settings that can be accessed within the player app. DreamSign server can update these settings remotely when added to the advanced options of an Installation.

Key	Value example	Description
s_shortcut		Shortcut code
s_server	full server address	Server address
s_miq	480p 720p 1080p 2160p	Maximum image quality. Player will not download or display imagecontent above this value.
s_mvq	480p 720p 1080p 2160p	Maximum video quality. Player will not download or display video content above this value.
s_srv	0 1	Run as service
s_int	0 1	Interaction
s_upw	password	Password required to modify settings_
s_fcn	0 1	Fresh content popups
s_cmg		Channel list (group name)
s_smg		Sequence list (group name)

Key	Value example	Description
s_geo	0 1	Report location (geolocation)
s_fc	0 1	Face counting
s_udp	0 1	Use UDP
s_sig	0 1	Verify signatures
s_offline	0 1	Offline mode
s_rur	period in milliseconds	Restrict Update Rate
s_vs	.mp4 .webm	Video file format
s_so	[contact us]	Screen orientation
s_grow	0 1	Stretch content
s_vps	0 1 2 3	Video playback strategy
s_us	0 1	Update strategy. 0 = standard updating. Requires user to approve the update. 1 = silent updating. No approval will be required to install update on the device. The device must be rooted and the player must have root permissions. Setting to 1 also changes the restart action to restart the whole device, not just the app.
s_fcd	0 1	Face counting test
s_sd	0 1	Enable alternate cache location
s_store	File system path	Full path to alternate cache location (for example /mnt/sdcard/dreamsign or /mnt/extsd/dreamsign)

iDisplay Connect Box

The Android DreamSign player can be controlled by push buttons connected to the iDisplay Connect Box. When a button is pushed it will switch zone 1 to the configured sequence or channel.

Key	Value example	Description
Button1 ... button12	sudbkho	Channel or sequence to display in zone 1 when button is pressed.

Advanced options for Accounts

User Interface options

These options change the functionality available in administration interface.

A page refresh may be required for the changes to take effect. These options can be specified for accounts and account groups.

Name	Values	Description
showHome	false / true	Show the user tab in the user interface. This tab is required.
showContent	false / true	Show the content tab in the user interface.
showChannels	false / true	Show the channels tab in the user interface.
showSequences	false / true	Show the sequences tab in the user interface.
showTargeting	false / true	Show the targeting tab in the user interface.
showInstallations	false / true	Show the installations tab in the user interface.
showInteractions	false / true	Show the interactions tab in the user interface.
false / true	false / true	Show the market tab in the user interface.
showStatus	false / true	Show the status tab in the user interface.
showAccounts	false / true	Show the accounts tab in the user interface. Only applicable to Administrators or accounts with group view or modify permissions.
showGroups	false / true	Show the groups tab in the user interface. Only applicable to Administrators or accounts with group view or modify permissions.
showOverview	false / true	Show the Drag and Drop UI in the user interface.
showChannelShortcut	false / true	Show channel shortcut codes on the channels tab. Setting this to false also hides the display option.
showSequenceShortcut	false / true	Show sequence shortcut code on the sequences tab. Setting this to false also hides the display option.
showConnectBoxOptions	false / true	Show the iDisplay Connect Box options on the edit installation page.
showFaceCount	false / true	Show face counts for content, sequences, channels, targeting and installations.

Advanced options of initialisation settings

A number of initialisation options can be specified at player startup.

Options are comma separated in a parameter called options, or as the third argument when invoking DreamSign.install (this, shortcut, options) on a DreamSign image. (JavaScript player only).

Name	Description
jsonp	Instructs the browser to use JSON with padding for communications. This is required when embedding a DreamSign player on a different domain to the DreamSign server.
nostats	Prevents statistics on the number of displays being counted by the server. This is useful for previews for example in the DreamSign Admin Interface.
notransitions	Disables transitions between content. Useful for low performance players.
muted	Mutes sound used in videos (WebPlayers only)
180p	Instructs the player to only use content at 180p (320 x 180 pixels for 16:9)
480p	Instructs the player to only use content at 480p (854 x 480 pixels for 16:9)
720p	Instructs the player to only use content at 720p (1280 x 720 pixels for 16:9)
1080p	Instructs the player to only use content at 1080p (1920 x 1080 pixels for 16:9)
2160p	Instructs the player to only use content at 2160p (3840 x 2160 pixels for 16:9) Note: Server must be configured to support 2160p
native	Use unprocessed content (original upload). This option should be used for testing purposes only as the content might not be suitable for all players. Image distortion may occur if the incorrect aspect ratio is uploaded.
nativevideo	Use unprocessed video content (original upload).

PIIONEER COMPUTERS

DreamSign can control LCD displays, tablets, transparent displays, projectors. Below our reference – video wall 3x3 LCD 46" in the shop of NIKE in Warsaw



Applications



LCD displays and totems



Retail tablets

Projectors



Transparent LCD displays