iOS Mobile Client. User Guide

General information about the iOS client app

The client app for mobile devices running iOS (version 5.0 and later) is available for free on the Apple App Store and works on the following devices:

- iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5, iPhone 5S
- iPod touch (third generation and later)
- iPad (all generations)

The client for iOS devices allows connecting to Axxon Next servers (version 3.0 and later) and Intellect servers (version 4.9.0 and later).

With this app, you can:

- Live video mode (including with audio from Intellect microphones)
- Control of PTZ cameras (including activation of presets)
- Archive viewing (including video with audio when viewing Intellect archives)
- Zoom in (with digital zoom)
- Control video cameras: arm/disarm, start/stop recording to archives (Intellect only).
- View maps (Intellect only).
- Run macros (Intellect only).
- View the list of events.
- Playback of iOS sound on Intellect speakers.

Connecting to the server and working with servers

To get started with Axxon Next or Intellect from the iOS mobile client, first configure the servers to which the client will connect.

To do this, follow the steps below:

1. Enter the server name (**1**).

2. Enter the URL server address in the format http://<IP address of Axxon Next server>:<Port>/<Prefix> (**2**).

> **Note**
> Example URLs with standard Server settings for Axxon Next and Intellect:
>
> ***Axxon Next***: 192.168.0.10:8000/asip-api
>
> ***Axxon Intellect***: 192.168.0.10:8085/web2

3. Enter the user name and password for connecting, if these have been specified (**3, 4**).
4. To test the connection, tap the **Test connection** button (**5**). If the server is running, the connection settings are correct, and the device has a stable Internet connection, the message **Connection successful** appears. Otherwise, a message will remind you to verify these conditions.

Note
To perform a basic check of the web server connection and operability, in a browser on your mobile device, go to the Server's URL address (see paragraph 2)

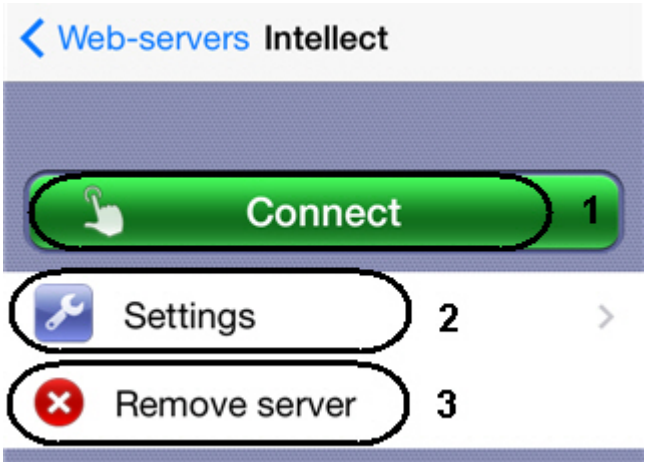
5. To save the server, tap the **Save** button (**6**).

The server is added to the list.

To add a new server, tap the  button and repeat the actions above.

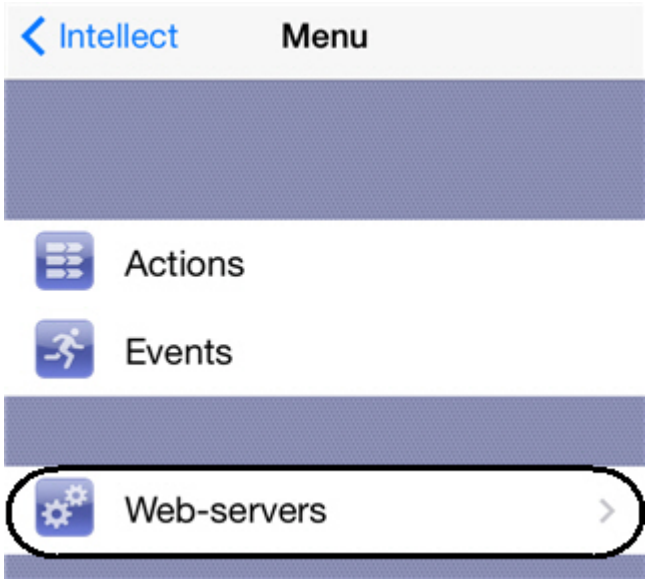
To connect to a server, select it in the list and tap the **Connect** button (**1**).

Note
If necessary, you can return to the server settings (**2**) or remove the server (**3**).

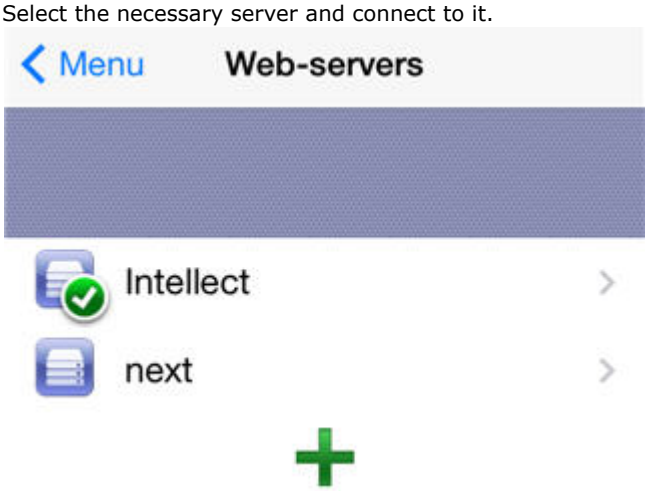


If you have connected to a server but need to connect to another one:

1. In the upper-right corner, tap the **Settings** button.
2. Tap the **Web Servers** button.



3. Select the necessary server and connect to it.

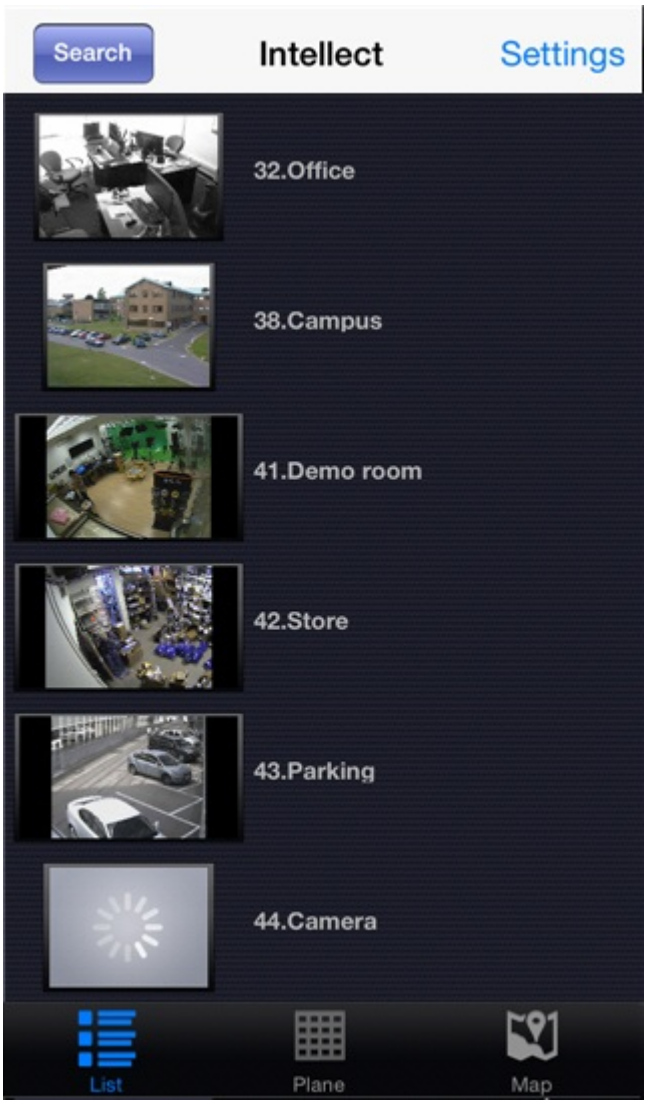


Displaying and finding video cameras in the iOS mobile client

After you connect to a server, thumbnails of cameras are shown as tiles.

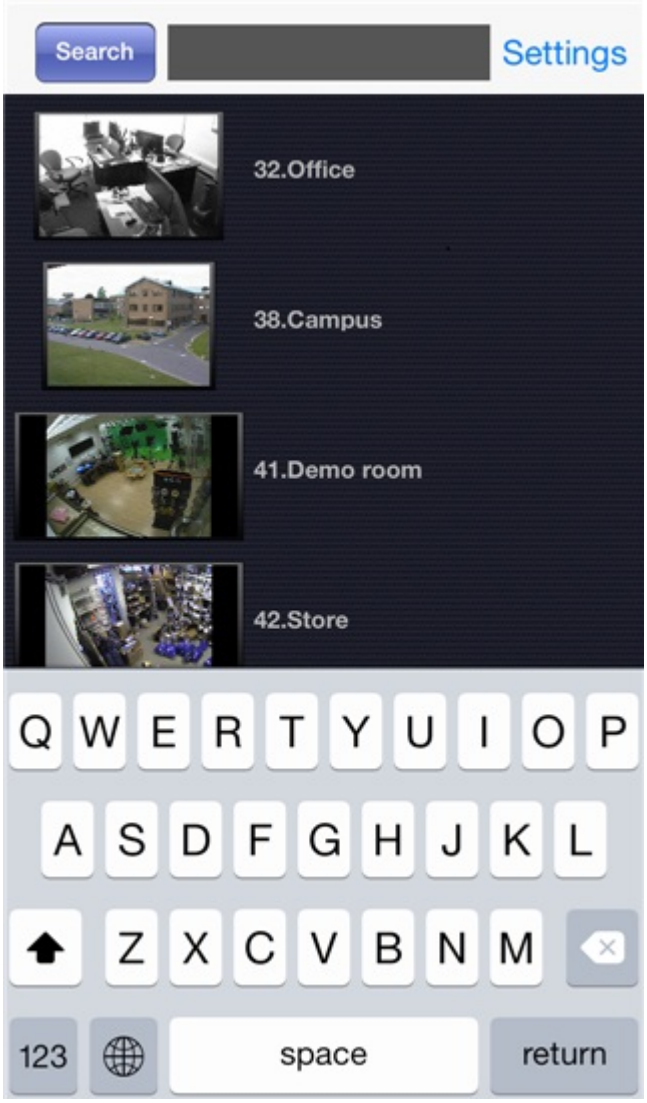
Video cameras can be listed on three pages: swipe left or right to go to another page.

Cameras can also be shown as a scrolling list.



In this case, you can search for video cameras by scrolling up or down in the list or by searching by name.

To search by name, tap the **Search** button and enter part or all of the camera name.



The list will show only cameras that meet the search criteria.

Viewing live video in the iOS mobile client

To view live video, select the necessary camera.

> **Note**
> If you select a camera when a floating events board is displayed, instead of going to live video mode you will be taken to the video recorded from this camera when the event began (in other words, the beginning of the current alarm). Playback will be paused.

This opens a viewing tile for the camera.

To play live audio, in the web server settings, you must choose a microphone for the camera (see Selecting and configuring cameras for the Web-server module).

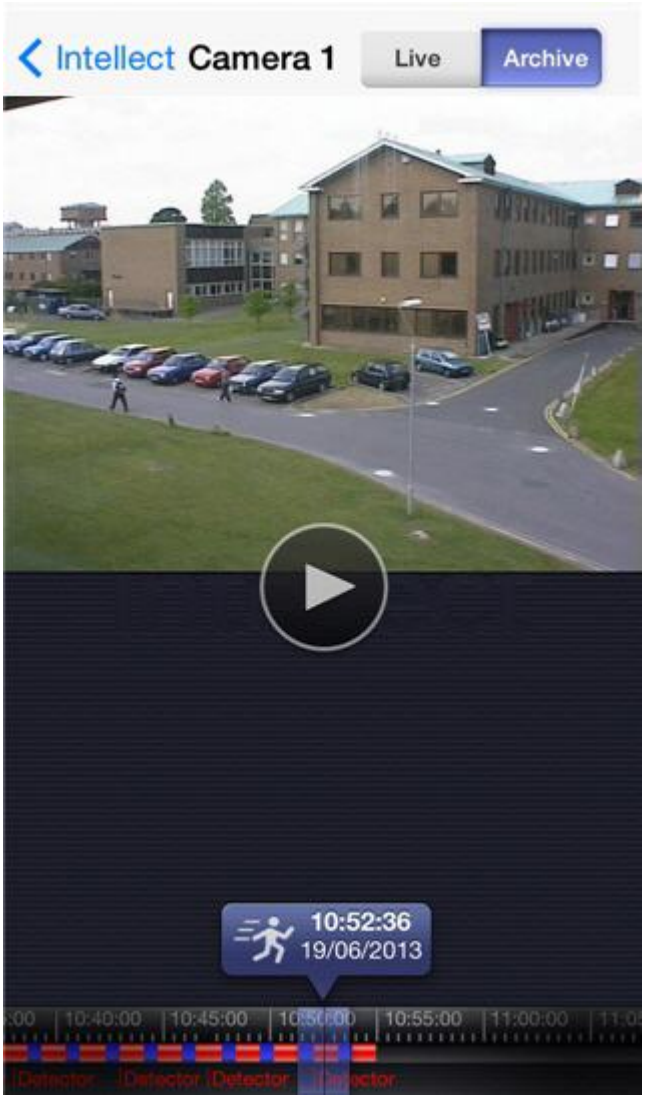
If a speaker has been selected for the camera in the web server settings (see Selecting and configuring cameras for the Web-server module)., you can start/stop playback (by tapping a button  / ) of sound from the iOS microphone on the selected Intellect speaker.

> **Note**
> The mobile client cannot access audio from video cameras when it is connected to an Axxon Next server.

To return to the list of cameras, tap the **Back** button.

Viewing previously recorded video in the iOS mobile client

To view previously recorded video in the iOS mobile client, select the relevant video camera in the list and go to the **Archive** tab.



Playback is controlled by the  and  buttons.

> **Note**
> To listen to recorded sound from a camera, a corresponding microphone must be selected in the web server settings (see Selecting and configuring cameras for the Web-server module).

You can browse video footagein two ways:

1. By dragging the indicator along the timeline (**1**).

   Blue means that there is video footage; red means that both video and an alarm are present.

   Pinch to shrink or stretch the timeline.
2. By specifying a date and time.
   The date and time are specified in the corresponding tabs.

To jump to a certain moment, tap the **Positioning** button.

Note
If recording was not active at the selected point in time, playback will be performed of the closest point in time for which a recording is available (closest time to the right along the timeline).

Controlling cameras in the iOS mobile client

When connected to an Intellect server, the iOS client allows controlling video cameras: you can arm them, disarm them, and start or stop recording of video to the archives.

To do so, tap the **Presets** pop-up button, select the necessary action, and tap the **Perform** button.

The relationship between video cameras and sensors and relays

The relationship between video cameras and sensors and relays is relevant only when connected to an *Intellect* server.

If a camera is linked to sensors and relays, the following features become available in the iOS mobile client:

1. Jump to beginning of recorded alarm video when a sensor/relay event is tapped (see Tap events).
2. Go to live video or recorded video when the icon of a sensor or relay is tapped on the map (see Using relays on the map, Using sensors on the map).

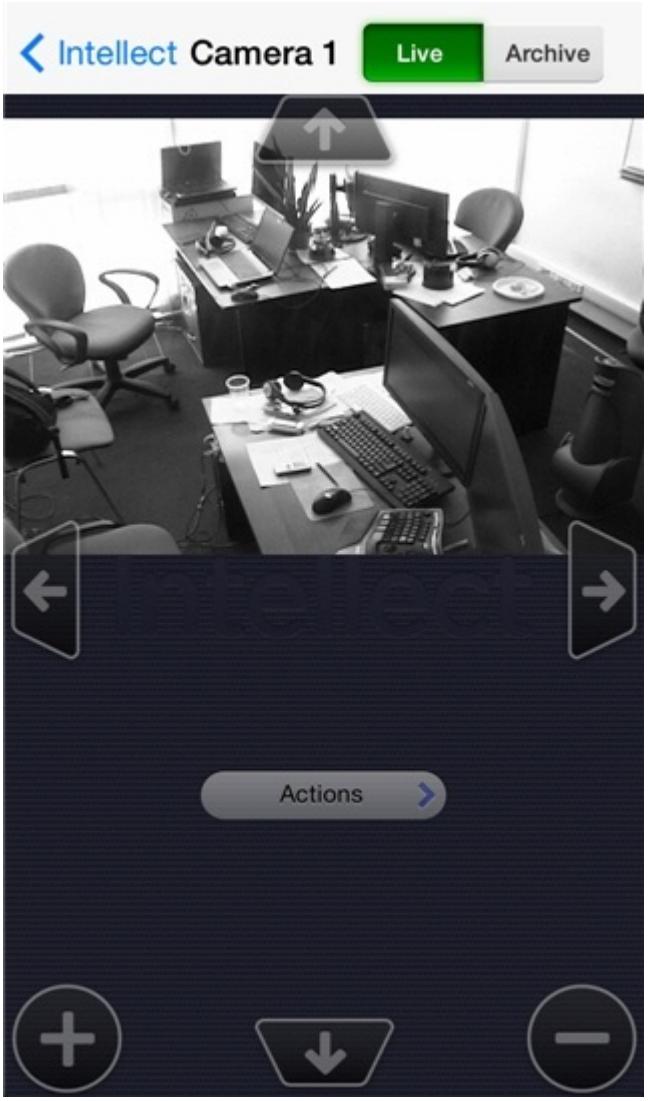
A camera is considered to be linked to a sensor or relay if they belong to the same region in Intellect (see Examples of using areas and regions).

Attention!
A sensor and relay can be linked only with a single camera. If a single region contains multiple cameras, sensors, and relays, they will be considered to be linked to the camera that has the lowest ID number (see Settings panel of the Camera object).

Note that a single camera may be linked to many sensors and relays.

Controlling PTZ cameras from the iOS mobile client

You can control PTZ cameras: to get started, open a viewing tile for a camera.



To pan or tilt, use the following buttons:

To change the angle at which a camera is panned/tilted, you can also double-tap any area of the video with your finger. The camera lens is automatically reoriented to the selected area.

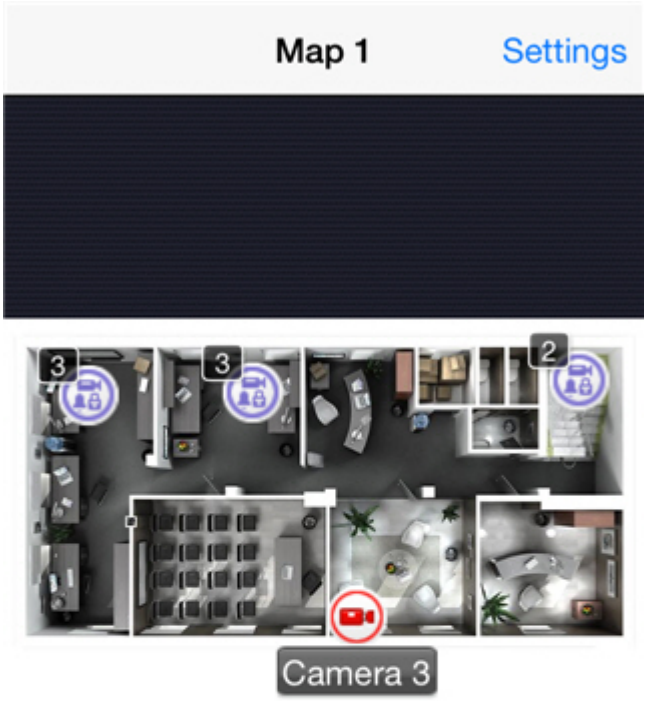
To control optical zoom, use the  buttons.

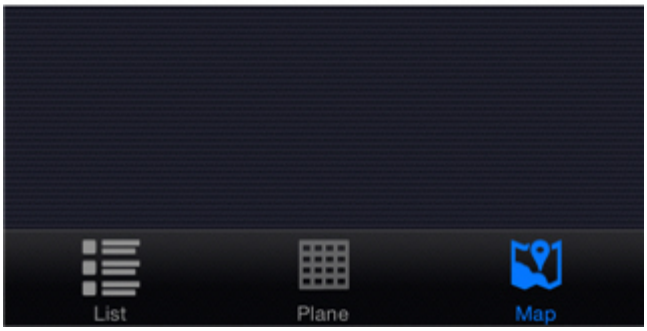
To switch to a preset, tap the **Actions** button, select the necessary preset in the list, and tap the **Perform** button.

Using maps in the mobile iOS Client

Maps can be viewed only when the client is connected to an Intellect server.

To view maps, go to the **Map** tab.





If there are multiple maps in the system, you can navigate by swiping left and right.

Icons for the following devices can be displayed on the map in the mobile Client: cameras, sensors, and relays. In addition, icons for macros can be displayed.

Icons indicate the current status of devices and allow controlling them.

Map scale and object groups

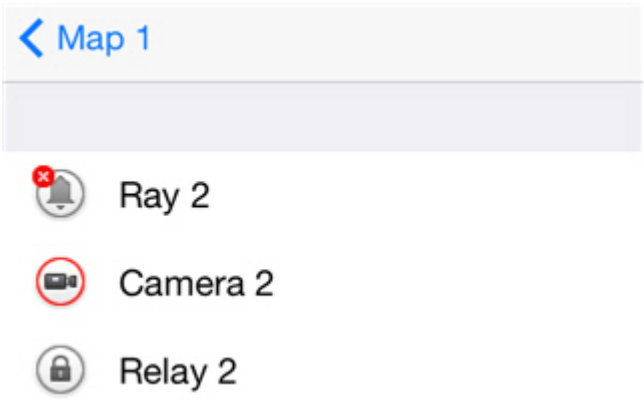
You can adjust the scale of the map in the iOS Client.

Simply pinch your fingers on the screen (to zoom out) or move them apart in a sweeping motion (to zoom in).

If some objects are too close to each other on the map and cannot be displayed at the current scale without overlapping, they are replaced by a group icon (an Object Group icon).

> **Note**
> The upper-left corner of the group indicates the number of objects in the group.

To manage an object that is currently included in a group, zoom in or tap the group icon. A list of objects in the group is displayed.



After you select an object, a list of actions is presented.

Using cameras on the map

The icon of a camera on the map indicates the current status of the camera:

Icon	Status
	Camera alarm, recording is not active
	amera alarm, recording is active
	Camera armed, recording is not active
	Camera armed, recording is active
	Camera disarmed, recording is not active
	Camera disarmed, recording is active
	Camera disabled in the System
	Camera connection lost

To control a camera from the map, tap its icon to open its context menu:

To perform an action, select a command and tap the **Perform** button. A description of commands is given in the Intellect Operator's Guide.

Using relays on the map

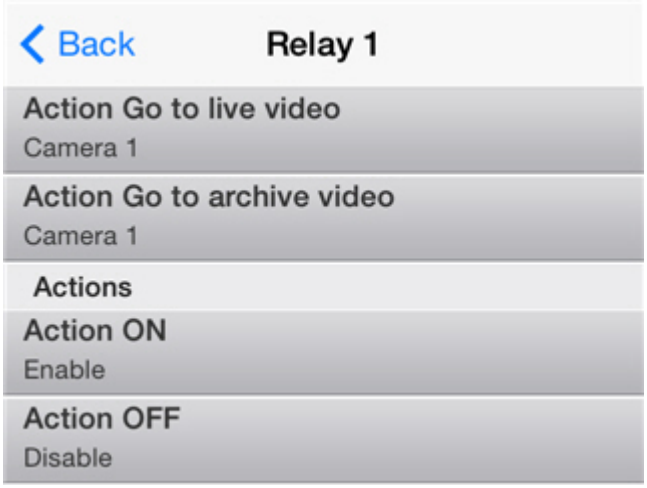
The icon of a relay on a map displays the current status of the relay.

Icon	Status
	Relay disabled in the System
	Relay connection lost
	Relay off
	Relay on

To control a relay from the map, tap its icon to open its context menu:

To perform an action, select a command and tap the **Perform** button. A description of commands is given in the Intellect Operator's Guide.

If a relay is linked to a camera (see The relationship between video cameras and sensors and relays), it is also possible to switch to live video mode or viewing of video recorded by the camera.



Using sensors on the map

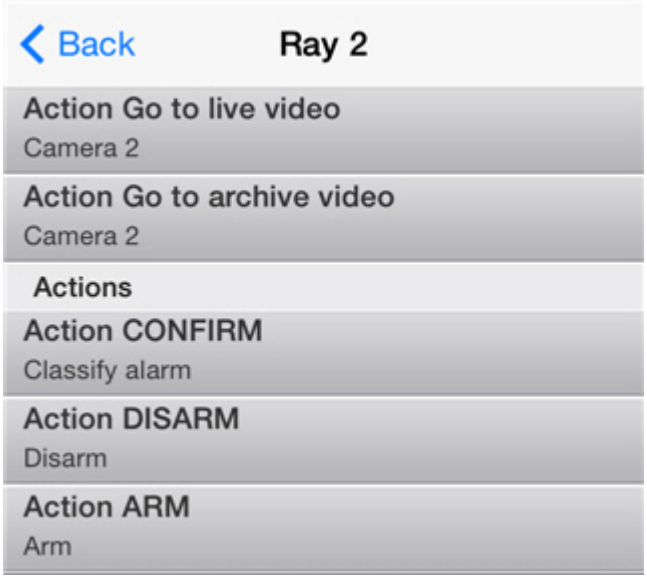
The icon of a sensor on a map displays the current status of the sensor.

Icon	Status
	Sensor armed + alarm event accepted
	Sensor armed + alarm
	Sensor armed
	Sensor disarmed + alarm
	Sensor disarmed
	Sensor disabled in the System
	Sensor connection lost

To control a sensor from the map, tap its icon to open its context menu:

To perform an action, select a command and tap the **Perform** button. A description of commands is given in the Intellect Operator's Guide.

If a sensor is linked to a camera (see The relationship between video cameras and sensors and relays), it is also possible to switch to live video mode or viewing of video recorded by the camera.



Using macros on the map

To run a macro from the map, tap the macro icon, tap the **Run Macro** button, and then tap the **Execute** button.

Digital zoom in the iOS mobile client

You can zoom in and out on both live and previously recorded video.

To zoom, pinch the video with two fingers.

Video cannot be made smaller than its original size. 16x is the upper zoom limit.

To select the visible part of the frame when zoom is active, tap and drag the viewing tile.

Using macros in the mobile iOS Client

You must be connected to an Intellect server to run macros.

Adding macros to video

You can add macro badges to video.

To do so:

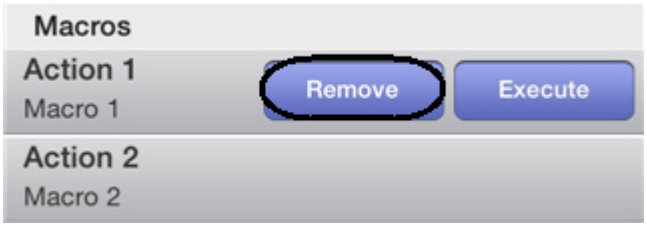
1. Go to Live Video mode for the relevant camera.
2. Tap the **Presets** button.
3. Select the necessary macro and tap the **To video** button.

Addition of the macro to the video is now complete.

You can drag the macro badge around the screen. Tap the badge and drag it to the desired location.

You can remove a macro badge in two ways:

1. Tap the **Presets** button and then the **Remove** button.



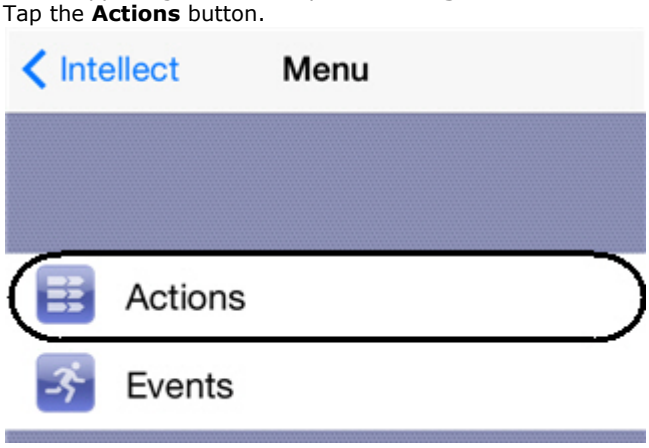
2. Tap the button when dragging the badge.

Running macros in the iOS mobile client

You must be connected to an Intellect server to run macros.

To run a macro:

1. In the upper-right corner, tap the **Settings** button.
2. Tap the **Actions** button.



> **Note**
> You can also tap the badge of a macro on video (see Adding macros to video).

3. Select the necessary macro in the list and tap the **Perform** button.

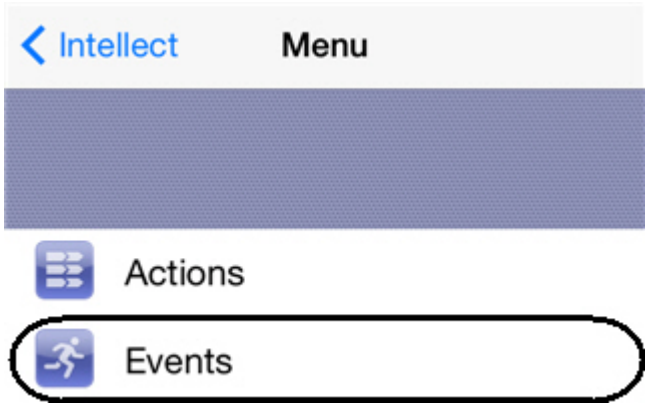
Handling events in the mobile iOS Client

Viewing a list of system events

You must be connected to an Intellect server to view the list of system events.

To view the list of events:

1. In the upper-right corner, tap the **Settings** button.
2. Tap the **Events** button.



The complete list of system events is displayed.

To process an event, tap the  button. To process all events, tap the **Mark all as processed** button.

Tap events

When an event from a camera is tapped, the video from the event is shown, starting at the beginning.

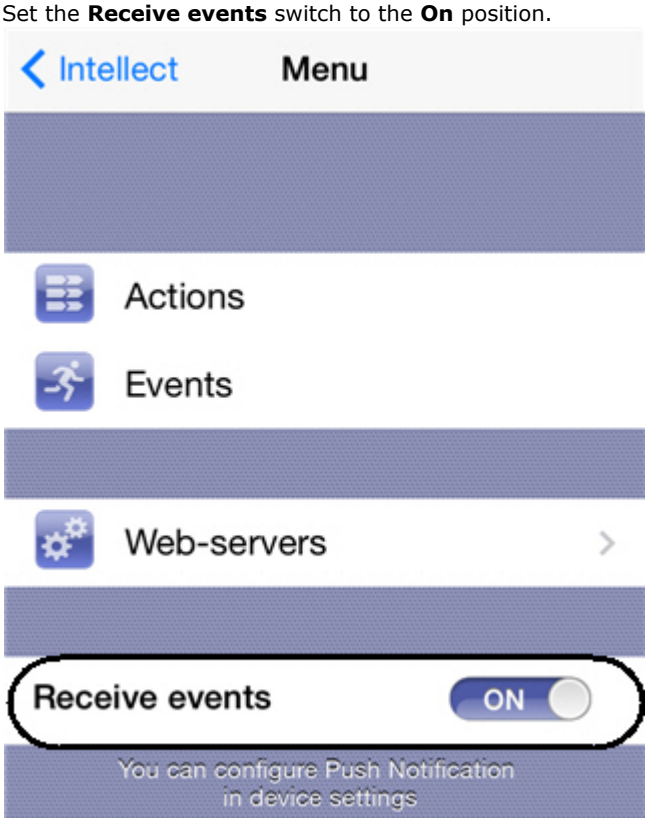
If sensors and relays are linked to a camera (see The relationship between video cameras and sensors and relays), tapping an event from them also triggers a jump to the start of the alarm recording from the linked camera.

If a sensor and relay are not linked to a camera, tapping an event from them jumps to the map, which is oriented to display the sensor or relay at the center.

Activating push notifications and the events board

To perform real-time monitoring of events:

1. In the upper-right corner, tap the **Settings** button.
2. Set the **Receive events** switch to the **On** position.



Push notifications (see Receiving push notifications) and the events board are now activated.

Receiving push notifications

A mobile device can receive push notifications about system events from the Server.

> **Note**
> Activation and configuration of this function is performed in Intellect (see Configuring the Events filter for the Web-server 2.0 module).

Push notifications are sent to a device regardless of whether it is connected to the Server. Apple servers are responsible for delivering notifications.

> **Note**
> The device running the iOS Client must be connected to the Internet.