

## Integration Note

Manufacturer:	Inner Range
Model Number(s):	Inception
Core Module Version:	8.8+
Driver Developer:	Inner Range
Document Revision Date:	8/11/2023

### Overview & Supported Features

The Inception driver allows for the synchronization and monitoring of doors, areas, inputs, and outputs from an Inception system into the Nice Home Management system. Once configured, the end user can also control Inception areas and doors via Nice Home Management.

**THE FOLLOWING OPTIONS ARE SUPPORTED BY THIS DRIVER:**

- Synchronization and monitoring of Inception Doors, Areas, Inputs and Outputs
- Control of Inception Doors, Areas and Outputs

**THE FOLLOWING PLAYBACK OPTIONS are not supported by this driver:**

- This integration does not support any playback features.

Any feature not specifically noted as supported should be assumed to be unsupported.

### Inception driver Configuration

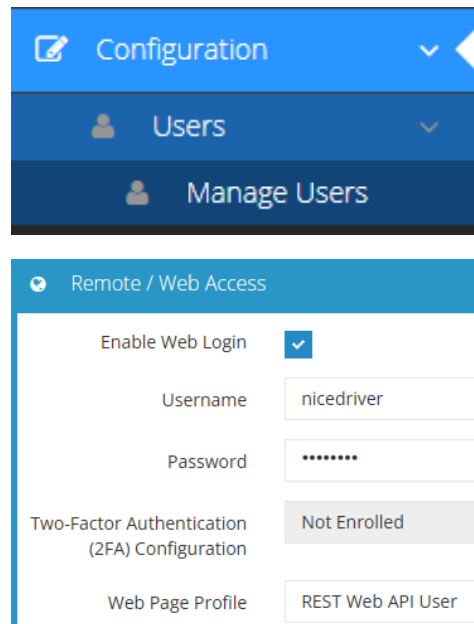
The Nice Home Management driver logs into Inception as a standard web user. The permissions of this user determine what items are synced to Nice Home Management and what can be controlled by default.

All inputs in the Inception system will be available to Nice Home Management automatically, but only the areas, doors, and outputs that this new user has permission to access will be available to Nice Home Management. This allows a reduced number of items to be synced across to Nice Home Management to help simplify configuration. Any control requests of areas, outputs or doors that don't require a PIN (e.g., auto arming an area from Nice Home Management) will also be performed by this user, so this step ensures that the correct permissions for this user are already in place.



If a PIN is provided to perform an action in Nice Home Management, the user who is assigned that PIN in Inception will be the one who performs the action, with their permissions checked and their name logged in the review event history. All other commands will be logged by being requested by the API user.

In the Inception web interface, go to the **[Configuration > Users > Manage Users]** page and create a new user called "NICE Driver User", or another name of your choice. In the credentials section for this user, tick the *Enable Web Login* option, assign a username and password for this user, and set their *Web Page Profile* to REST Web API User.



This new user will act as the operator who will perform any area, door or output control actions from the Nice Home Management integration by default. This means that this user also needs to have permissions assigned for any of the areas/outputs/doors/etc. that you wish to be able to control from within the Nice Home Management system.

Permissions	Allowed	What	When
Allow	Door	Car Park Door	Access
Allow	Door	Front Door	Access
Allow	Door	Warehouse Main Door	Access
Allow	Area	Administration	Arm
Allow	Area	Carpark	Arm
Allow	Area	Warehouse	Arm
Allow	Custom Output	Office Lighting	Control
Allow	Custom Output	Warehouse Lighting	Control

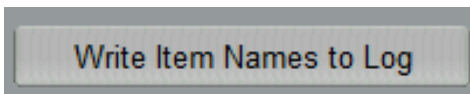
Buttons: Add Items, Remove Selected Items

By default, outputs can't be directly controlled by users. For any outputs that you wish to expose for external control, make sure they are configured to be user controllable from the **[Configuration -> Outputs -> Set as User Controllable]** page.

## Nice Configuration

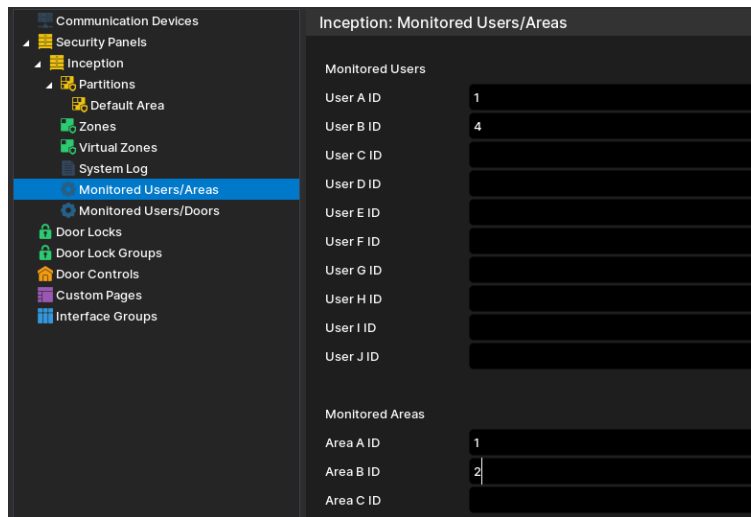
### Configuring Specific User Arm/Disarm Events

In order to utilise the "Area A Disarmed by User", etc. events in the driver, you will need to retrieve the IDs of the entities and users you wish to monitor, so they can be filled in on the "Monitored Users/Areas" or "Monitored Users/Doors" configuration page. Click the "Write Item Names to Log" button on the driver configuration page, and all Area IDs, Output IDs, Door IDs and User IDs should be written to the Driver Log.

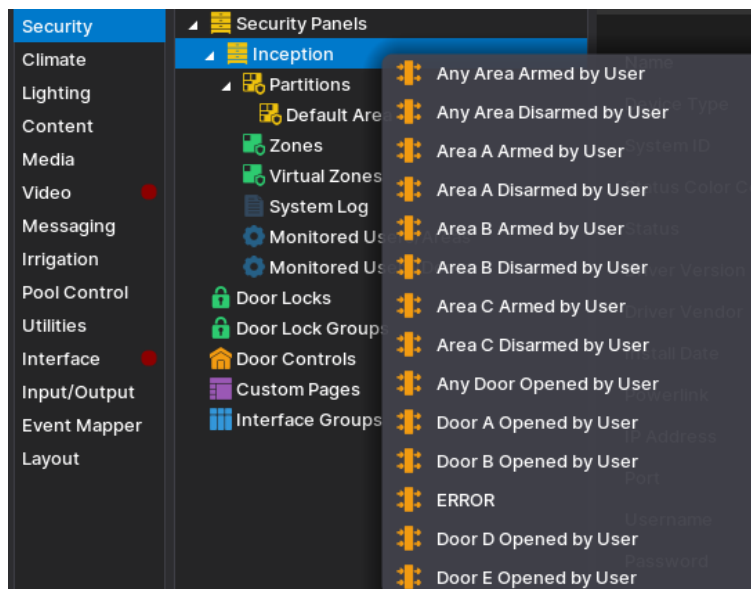


*NOTE: As at time of 1.1 release of the Nice Home Management driver, ELAN Configurator V2 has yet to support the "Write Item Names to Log" functionality, as the Driver Log is not yet implemented. To access the Driver Log, perform the above instructions using ELAN Configurator V1. Once this information has been retrieved, all subsequent programming can be carried out with ELAN Configurator V2.*

Open the Monitored Users/Areas config page, and you will be able to assign IDs for "User A-J" and "Area A-D". These placeholder items are used in system events to identify when a specific user controls an area, for example, you may want to trigger an action in the Nice Home Management system when "John Smith" arms a certain area, but not for anyone else. Input the IDs of the users and areas you wish to monitor (from the driver log output) and apply the changes.



You should now be able to create event maps for when specific users arm or disarm areas by right clicking the Inception driver and selecting the event type.



## Retrieving User, Output and Door Information

To list the User, Output and Door names, click the “Write Item Names to Log” button on the Output Controller driver’s configuration page, then open the Driver Log. There should be an entry for each User, Output and Door configured in the Inception system (ID numbers are shared across Outputs and Doors; each one should be unique). You can use this information to identify which Nice Home Management item IDs map to which items in the Inception system and rename items in the Nice Home Management system

to make them easier to identify. You can also use these IDs to enable monitoring for door access events for specific users.

Inception Output Controller Log:

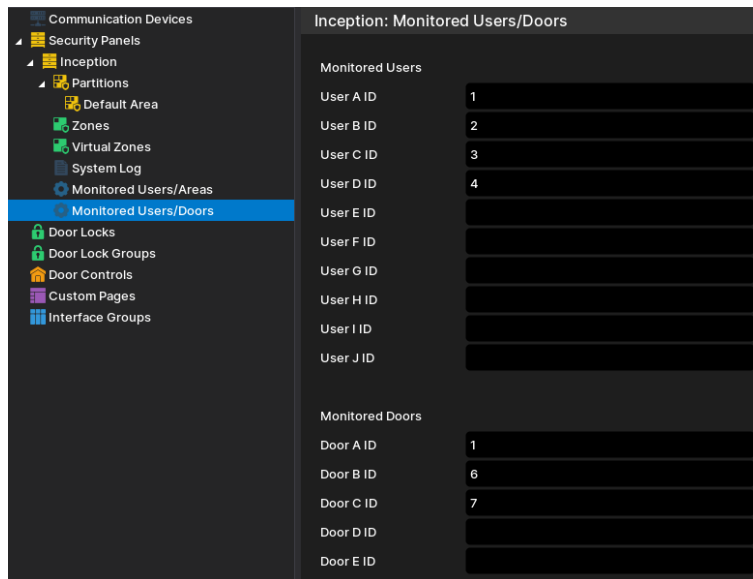
Start Date/Time: 05/13/2020 5:13 PM  
End Date/Time: 05/14/2020 5:13 PM

Get Records Get Previous Get Next

Date/Time	Item Type	ID	Name
5/14/2020 7:11:55 AM	Door	1	Inception Controller - Door 1
5/14/2020 7:11:55 AM	Output	4	Inception Controller - Generic Output 3
5/14/2020 7:11:55 AM	Output	3	Inception Controller - Generic Output 2
5/14/2020 7:11:55 AM	Output	2	Output 1
5/14/2020 7:11:55 AM	=====	=====	=====

## Configuring Monitored Users and Doors for User Door Access Events

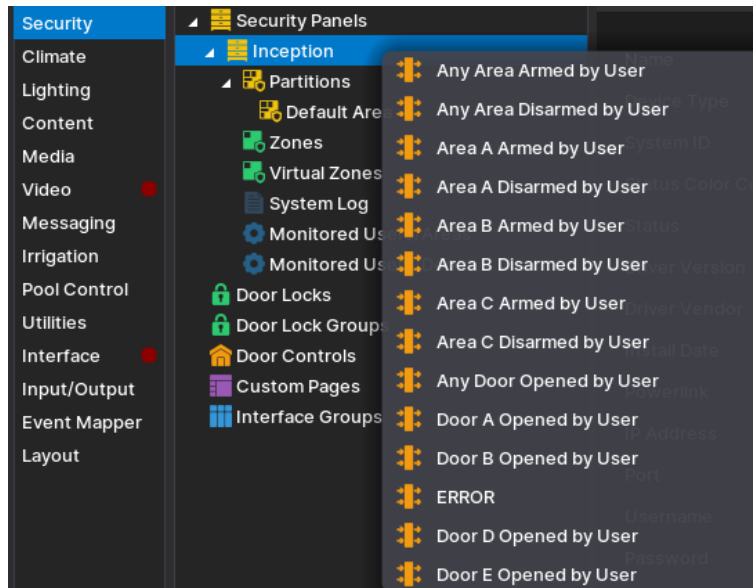
The Inception driver is capable of raising events when specific users access certain doors, which can be used to trigger automation in the Nice Home Management system. To use these events, items IDs must be assigned to the “Users A-J” and “Doors A-E” item slots on the Monitored Users/Doors page. The “User A”, “Door A”, etc. item slots are used by the driver to trigger events such as “Door A opened by User A” when an event occurs involving the matching item IDs. Click on the “Monitored Users/Doors” configuration page to bring up the event config options.



The IDs printed by the “Write Item Names to Log” button can be used to assign IDs on this page. For example, you could create an event map to trigger certain actions (e.g. lights on, change TV channel) when John Smith opens the Front Door, by assigning John Smith’s ID and the Front Door’s ID to a Monitored User slot and Monitored Door slot respectively, and creating a corresponding event map for them.

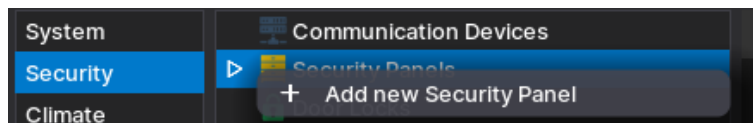
The “Any Door Opened by User” event will be raised for any door, even unmonitored doors (i.e. ID not assigned to Door A-E) when they are opened by a monitored user.

You can create event maps for these events by right clicking the Inception Security Controller driver and selecting the desired event.



## Installation Process

Open the Nice Home Management g!Tools or Management Cloud software and open the Configurator for the Nice Home Management controller that you want to install the Inception driver on. Go to the “Security” tab and right click “Security Panels” and click “Add New Device...”. Select the Inception Security driver from the list of devices (you may need to use the “Search Folder...” button to choose the location where the Inception.EDRVC file is stored on disk). Click OK, and a new instance of the Inception driver will be created.



Name: Inception

Device Type: Inception

System ID: 7284

Status Color Coding: Enable

Status: ● Ok

Driver Version: 1.1.0

Driver Vendor: Inner Range

Install Date: 10/17/2023 1:39 PM

Powerlink: < NONE >

IP Address: 192 . 168 . 15 . 254

Port: 80

Username: elandriver

Password: elandriver

Disable UI Update:

Arming Modes

Mode Name	Enable	Auto-Arm	Auto-Bypass	Key Entry
Disarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Code+Enter ▼
Full	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Code+Enter ▼
Perimeter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Code+Enter ▼
Night	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Code+Enter ▼

Set the Username and Password fields to match the Inception Nice Home Management API User you created earlier and set the IP Address to match the IP Address of the Inception controller. Click the Apply button, and the driver should connect to Inception. The Status will change to “Connected” to indicate that the driver is online and communicating with the Inception controller. An automatic synchronisation is performed to bring entities into the Nice Home Management system.

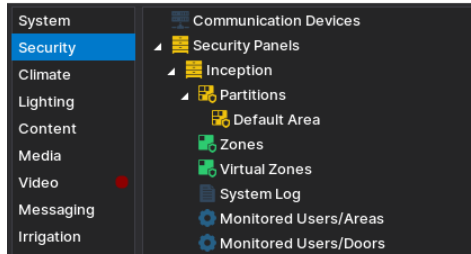
### Synchronising Manually

Syncing areas, inputs and outputs to the Nice Home Management system can be done by pressing the 'Reconnect and Sync Data' button.

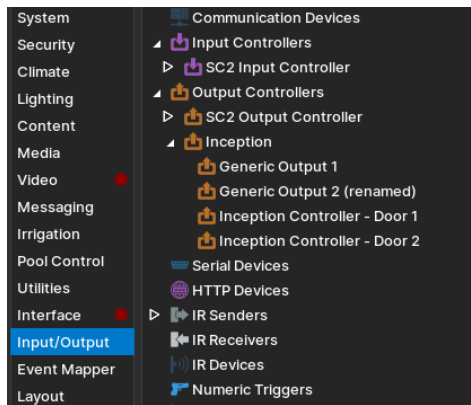


The areas and inputs that the API user has permission to will be synchronised and will appear under the security system as follows:





A new Nice Home Management output controller will be created that will contain all the outputs as Nice Home Management security outputs. This newly created output controller can be found under the configuration tool's "Input/Output" tab (note that Inputs are not handled here and are handled in the original security system).





## COMMON MISTAKES

### 1. Driver status shows “Network Connection Issue”

*The driver cannot connect to Inception. Check that the driver's configured IP Address matches the Inception controller's IP address and that the Port is set to 80. Make sure that both the Nice Home Management controller and Inception controller are properly set up and able to communicate on your local network.*

*Note that Nice cannot connect to Inception if the controller has been set to use HTTPS only.*

### 2. Driver status shows “Inception Firmware Version is Out of Date”

*The Inception controller's firmware version is too old to support the integration. Log into the Inception web interface and go to the [System -> Firmware Update -> Update Controller] page to update to the latest firmware version (the driver requires at least firmware version 5.0.0).*

### 3. Driver status shows “Failed to sync Areas/Doors/Outputs”

*The Nice Home Management driver was able to connect to Inception but couldn't retrieve item data due to a permissions error. Check that you have properly assigned the “REST Web API User” Web Page Profile to the Inception Nice API User you created for the integration, and that the Web Page Profile has not been modified (Area/Door/Output State in the Item Monitoring Permissions section should be set to “Control”).*

### 4. Driver does not appear when adding a new device

Make sure that your Nice Home Management controller is running at least firmware version 8.8 or newer, otherwise the Inception driver may not appear in the list even if you've selected the folder that the .EDRVC files are located in.

### 5. Partition names do not match Inception area names

If area names or inputs names are changed in the Inception system, you will need to click the “Reconnect and Sync Data” configuration button to bring the updated names into the Nice Home Management system.

### 6. Driver Log option not present

As at time of 1.1 release of the Nice Home Management driver, ELAN Configurator V2 has yet to support the “Write Item Names to Log” functionality, as the Driver Log is not yet implemented. To access the Driver Log, instead use ELAN Configurator V1. Once this information has been retrieved, all subsequent programming can be carried out with ELAN Configurator V2.

## NICE HOME MANAGEMENT DEVELOPER PARTNER INFORMATION

This Nice Home Management driver was written and supported by:

