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Important considerations

Some KNX / IP Routers – Gateways only allow one simultaneous active connection, preventing that more than one iPhone/iPad is connected at the same time. Besides, in situations with low WIFI coverage, it is possible that the application does not reconnect as it should, then it appears the error of maximum number of simultaneous connections. In order to not have this limitation, we recommend using IP communication module with more than one simultaneous connection, for example the IPS 100 REG (Jung) or 148-UAB22 (Siemens).



For this application to work correctly, showing the current status of the different devices, it is necessary to activate the *reading flags* of the specified group directions (see the device section).



For connections over VPN, it is recommended using the manual IP option. This option can be found in the section of iPhone/iPad adjustments. For further information about VPN connections, consult the manual: *VPN remote access configuration.*







Configuration

Download Houseinhand® from the App Store for free.

Now, the application will execute in demonstration mode. You can see a sample of the interface and navigate through the menus, but not controlling your house.



To allow Houseinhand® to control your house, two files must be transferred to it:

- xxxxxx.cfg: This file contains the necessary configuration information for the application to recognize your house.
- zzzzzz.hih: This file is the license.

The configuration file can be shared by several people as long as they want to control the same house, with the same room and device structure.

In the case that not all of the family/company members need to be able to control the same rooms of the house/office, it will be necessary to create a configuration file for each one of them.

The license file is referenced to the UDID (unique identifier number of each device) in a way that it will not be able to be shared. The license file only works on the device it was created for.







In order to transfer the files to your device, please follow this steps.

- 1 Configure your email account in the device built-in Mail app.
- 2 Send the file you want to load to the mail account configured in your device.
- 3 Launch Mail app and open the mail you have sent.

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Inbox		1 of 50		
From:		>		Hide
To:		>		
House 3 de ma	inhand F Iyo de 201	File Loading 2 09:00	9	Mark
	examp 0,2 KB	e_configur	ation.cfg	>
	<mark>examp</mark> 0,2 KB	le_license.ł	nih	>
Ċ	V	Ô		

4 Click on the file you want to load and select "Open with Houseinhand"

🚛 movistar 🗢	09:02	61 % 🚍
	1 of 50	
From:	>	Hide
То:	>	
Houseinhand	File Loading	
3 de mayo de 20	012 09:00	Mark
exam	ple_configurati	on.cfg
Open i	n "houseinh	and"
	Open In	
	Cancel	

That is all. Houseinhand® will be opened with the file load automatically.







Another way to transfer the files to your device is the File Sharing method.

- 1 Open iTunes.
- 2 Select the device you want to configure in the left side bar.



3 Select the Applications tab.









4 Get help from the scrolling bar in order to navigate towards the lower part of the window until you find 'File Sharing' and select Houseinhand®.



5 Click in the button 'add' and select the files.

File Edit View Controls Store	Advanced Help	iTunes		
*	() at ()	Ś.		
LIBRARY Music Movies TV Shows Radio	Summary Inf	o Apps Music Movies TV Show	rs Books Photos counterpy Coount ed on your iPhone or drag to a specific home screen. rearrange app icons or home screens.	Î
STORE	File Sharing The apps listed below can transfer o Apps	documents between your iPhone ar hih1.4.1 Documents	nd this computer.	
SHARED	AirPort	Iluis_4s.hih My home.cfg	5/3/2012 10:19 AM 4 H 5/3/2012 3:45 PM 24 H	KB KB
GENIUS Genius	GarageBand			
 iTunes DJ 90's Music Classical Music 	Google Earth			
 Music Videos My Top Rated Recently Added Recently Played Top 25 Most Played 	hih1.4.1		Add Save to	
	Capacity 28.21 GB Audio Vid 14.1 GB 0.22	eo Photos Apps Book	s Other Free B 1.21 GB 5.2 GB	ync
+ × ≎ 🖻				1

That is all. Next time you start Houseinhand[®] in your device, the application will recognize your house and it will be ready to control it (please see next section, Multitask, if you have used File Sharing method instead of mail).







Multitask

Houseinhand® supports multitask. This will allow that when you exit the application and start it again, it will be just right where you left it.

However, whenever you make a change in the configuration files you will have to close the application completely so that they have effect.

To close the application completely:

• Press twice the Home button (physical button in the lower part of your device).



• Once the multitask bar is opened, keep the finger on any of the icons until they start to tremble.



• Press on the red button that appears in the Houseinhand® icon and the application will close completely.







Program installation

Installation

In order to be able to configure the house, it is necessary to download **Houseinhand Designer** from the download section of the web site <u>www.houseinhand.com</u>

Once the program is downloaded, execute the installer. It will appear a window as the one below:

Houseinhand Des	igner Installer v2.0		x
	Houseinhand Designer le permite crear los configuración necesarios para que Houseinhand diferentes instalaciones KNX y pueda controlar sus Es muy importante usar siempre la última versió configurar los nuevos dispositivos que se irán futuras actualizaciones. Para descargar nuevas versiones entre aquí. Carpeta de destino C:\Program Files (x86)\Houseinhand Designer	archivos de reconozca las dispositivos. en para poder añadiendo en	
	Instalar	Cancelar	

Once selected the directory where the program will be installed, press *"Install"* for the program to install.







First steps

General vision



Now, launch the program from the desktop shortcut. The main window of the application will appear.

From there, you can create a new configuration, modify an existing one, export the current configuration and consult the user's guide.

As we will see later, the structure of the configuration is carried out hierarchically, that is to say, it is necessary to create every room (that would be the top level) and, later, adding all those devices that this room should have. For such an effect, the Up/Down buttons will allow to modify the order of the rooms / devices, modifying this way the order in which they will appear in the iPhone or iPad.

It is important to emphasize that the configuration and license files are totally independent; therefore the license file is not associated with any configuration file.

This feature allows generating several files of configuration for the same house, assigning more or less functionalities to each of them. An example of this functionality would be to carry out a complete configuration for the client's iPhone; whereas to that of the iPad of the house, we could configure only lights and blinds to avoid unwished uses.







Room management

Houseinhand Designer 2.0		
New Import Export Info		Integrator Web Page: HouseInHand
Installation diagram	Options	Details
Untitled	Diagram	
	Expand all Collapse all Up Down Rooms Add Delete Duplicate Devices Add Delete Copy	Push Add button in order to append rooms and devices
0 devices No license required		Houseinhand Designer 2.0

The management of the different rooms of the house is carried out using the add/delete/duplicate buttons.

Houseinhand Designer 2.0			
New Import Export Info		Integrator Web Page: HouseInHand	
Installation diagram	Options	Room details	
Untitled	Diagram		
Room 1		Preview:	
	Expand all	Color:	
	Collapse all	Red V	
	Lin Down		
	Op Down	Image: Select an image	
	Boome		
	Rooms	PIN:	
	bbé		
		Security:	
	Delete		
	Duplicate		
	Devices		
	Add		
	Delete		
	Сору		
0 devices No license required			Houseinhand Designer 2.0

When adding a room, there will appear the name, PIN, color (only for the iPad version) and room image options.







Device management

Houseinhand Designer 2.0					
New Import Export Info				Integrator Web Page:	HouseInHand
Installation diagram	Options		and the state	Device details	and the second of the second of the
Untitled Room 1 Device 1	Diagram	Device name:	Device 1		
Service and the service of the servi	Expand all	Device family	Lights	-	
	Collapse all Up Down	Device Type:		RGB Light 👻	
	Rooms	Red value 8bits:	1		
	Add	Green value 8 bits: Blue value 8 bits:	1		
	Delete	Forward red value 8 bits:			
	Devices	Forward green value 8 bits: Forward blue value 8 bits:			
	Add	Default value 1:	R	G	
	Сору	Default value 2:	R	G B	
1 device No license require	b				Houseinhand Designer 2.0

Same as previous case of adding a room, the Add/Delete buttons allow the devices management inside a room. To add a device click the add device button.

Next, we will be asked the name, device family and the type of the device we want to control. Depending on the device type, more or less group directions will be needed.

In case of not having implemented some of the group directions, it is possible to leave the spaces blank.

When selecting one or several devices and pressing the button for copying devices, it will appear a window where you can select the rooms in which the devices will be added.

For the correct functioning of the device it is important to verify that the reading flags have been enabled in the ETS.







Diagram functions

The diagram buttons allow expand/collapse the room tree. This functionality is very useful to speed up the device management.

The up/down buttons allow the user to change the order of the devices and rooms. Houseinhand® will display the devices and rooms in the same order as they are displayed in Houseinhand® Designer.









Devices

Simple light / 1 bit generic control

Houseinhand Designer 2.0					
New Import Export Info				Integrator Web Page:	HouseInHand
Installation diagram	Options			Device details	
Untitled	Diagram	Device name	Device 1		
A Room 1 Device 1		Boulde Haine.			
	Expand all	Device family	Lights	-	
	Collapse all Up Down	Device Type:		Simple light 👻	
	Rooms	On / Off 1bit			
	Add	Forwarding state 1bit			
	Delete Duplicate				
	Devices				
	Add				
	Copy				
1 device No license required					Houseinhand Designer 2.0

These two types of devices correspond to the Boolean control of lights or generic on/off elements. Moreover, they include a status field that can be enabled to allow device status monitoring.

The status enabling:

- **Enable status:** When active, status from the selected device is returned. Keep in mind that to activate this flag, the selected device should support the status value return.

The group addresses to configure in both cases are:

- **On/Off 1bit:** 1bit on/off communication object.
- Status 1bit: 1bit status. Used for initial reading and value updates.

For the correct functioning of the device, it is important to check if the reading flag of the status 1 bit group address has been enabled in ETS.







1 Byte Generic control

Installation diagram	Ontiona		Device details	
Unititled	Diagram	Device name:	Dimmer values	
Dimmer values	Extend all	Device Family	Generic controls	
	Collapse all	Device Type:	95 95 95 95 Generic control thyte	
	Up Down			
	Rooms	Group address 1byte:		
	Add	Status 1byte:		
	Delete	First sent value (0-255):		
	Duplicate	Text first value:	0 %	
	Devices	Second sent value (0-255)	: 127	
	Add	Text second value:	50 %	
	Delete	Third sent value (0-255):	255	
	Сору	Text third value:	100 %	
		Fourth sent value (0-255):		
		Fifth sent value (0-255):		
		Text fifth value:		
				Houseinhand Designe

This type of device allows the adjustment of up to 5 values (each one from 0 to 255), in just one 1 Byte group address. Moreover, it allows personalizing the text of each segment to help the user to easily identify the functionality of each segment and activating a status flag to monitor the status of the device

The status enabling:

- **Enable status:** When active, status from the selected device is returned. Keep in mind that to activate this flag, the selected device should support the status value return.

The group address to configure is:

- **1Byte group address:** value adjustment communication object (from 0 to 255).

The fields to fill in are:

- **First value to send (0-255):** Value that will be sent when tapping this segment, through the 1 byte group direction.
- **Text first value:** Text that will appear in the corresponding segment.
- Second value to send (0-255): Value that will be sent when tapping this segment, through the 1 byte group direction.
- **Text second value:** Text that will appear in the corresponding segment.







- **Third value to send (0-255):** Value that will be sent when tapping this segment, through the 1 byte group direction.
- **Text third value:** Text that will appear in the corresponding segment.
- **Fourth value to send (0-255):** Value that will be sent when tapping this segment, through the 1 byte group direction.
- **Text fourth value:** Text that will appear in the corresponding segment.
- **Fifth value to send (0-255):** Value that will be sent when tapping this segment, through the 1 byte group direction.
- **Text fifth value:** Text that will appear in the corresponding segment.

In case of needing less than 5 values, it is possible to leave them blank (in decreasing order, from fifth to first).







Dimmer

W Houseinhand Designer 2.0					
New Import Export Info				Integrator Web Page:	HouseInHand
Installation diagram	Options			Device details	and the second second second second
Untitled A Room 1 Device 1	Diagram	Device name:	Device 1		
	Expand all	Device family	Lights		
	Collapse all Up Down	Device Type:	P -•	Dimmer -	
	Rooms	On / Off 1bit			
	Add Delete Duplicate	value soits: Forwarding value 8bits:			
	Add Delete				
	0007				
1 device No license required					Houseinhand Designer 2.0

This type of device corresponds to the adjustable control of lights.

The group addresses to configure are:

- **On/Off 1bit:** 1bit On/Off control communication object.
- Value 1Byte: 1Byte control group address.
- Status 1Byte: value status feedback.

For the correct functioning of the device, it is important to check that the reading flag for the status 1Byte has been enabled in ETS.







RGB Light

Houseinhand Designer 2.0						
New Import Export Info					Integrator Web Page:	HouseInHand
Installation diagram	Options				Device details	
Untitled	Diagram	Deutes nome:	Davies 1			
A Room 1		Device frame.	Device			
Dence I	Expand all	Device family	Lights		-	
	Collapse all Up Down	Device Type:		6	RGB Light 🗸	
	Rooms	Red value 8bits:		1		
		Green value 8 bits:	1	1		
	Delete	Blue value 8 bits:	1	1		
	Duplicate	Forward red value 8 bits:	1	1		
	Devices	Forward green value 8 bits:	/	1		
	Donico	Forward blue value 8 bits:	1	1		
	Add	Default value 1:	R	G	в	
	Copy	Default value 2:	R	G	В	
m /						
1 davies No license required						
i device No license required						Houseinhand Designer 2.0

This type of device corresponds to the RGB light control.

The group addresses to configure are:

- Red Value 1Byte: red control communication object.
- Green Value 1Byte: green control communication object.
- Blue Value 1Byte: blue control communication object.
- Red Value Status 1Byte: red color status communication object.
- Green Value Status 1Byte: green color status communication object.
- Blue Value Status 1Byte: blue color status communication object.

In case of not having the status group addresses configured in ETS, it is recommended to fill them in with the same control group addresses.

Moreover, it is possible to predefine the color values for each device:

- **Predefined value 1:** RGB adjustable value (from 0 to 255) that will appear as a predefined color which the user can select.
- **Predefined value 2:** RGB adjustable value (from 0 to 255) that will appear as a predefined color which the user can select.

For the correct functioning of the device it is important to check that the different status 1Byte reading flag has been activated in ETS.







Position controlled blind

Buseinhand Designer 2.0					
New Import Export Info				Integrator Web Page:	HouseInHand
Installation diagram	Options			Device details	the second of the second of the
Untitled A Room 1 Device 1	Diagram	Device name:	Device 1		
20000	Expand all	Device family	Blinds	-	
	Collapse all Up Down	Device Type:		Controlled blind •	
	Rooms	Short drive 1bit:			
		Long drive 1bit:	1	1	
	Delete	Position 8bits:			
	Duplicate	Forwarding position 8bits:			
	Devices				
	Add Delete				
	Сору				
1 device No license required					Houseinhand Designer 2.0

This type of device corresponds to the position controlled blinds.

The group addresses to configure are:

- **Stop-movement 1bit:** it allows to lift up/down the blind slightly (in some blind actuators), or in case it is moving, stop it.
- **Up-down 1bit:** it allows lifting up/down the blind continually, or in case it is moving, stopping it. This communication object is activated with a long tap to the button (more than 0.5 seconds).
- **Position 1Byte:** 1Byte control communication object for the 8 bits control.
- **Position status 1Byte:** position status feedback.

For the correct functioning of the device, it is important to check if the position status 1Byte reading flag has been enabled in ETS.







Simple blind

W Houseinhand Designer 2.0					
New Import Export Info				Integrator Web Page:	HouseInHand
Installation diagram	Options			Device details	
Untitled Room 1 Device 1	Diagram	Device name:	Device 1		
	Expand all	Device family	Blinds	•	
	Collapse all Up Down	Device Type:		Simple blind -	
	Rooms	Short drive 1bit			
	Add Delete Duplicate	Long drive 1bit:			
	Add Delete Copy				
1 device No license required					Houseinhand Designer 2.0

This type of device corresponds to the simple blind control.

Due to the simple blind not having a status feedback, we recommend using the type of adjustable blind as long as it is possible.

The group directions to configure are:

- **Stop-movement 1bit:** it allows to lift up/down the blind slightly (in some blind actuators), or in case it is moving, stop it.
- **Up-down 1bit:** it allows lifting up/down the blind continually, or in case it is moving, stopping it. This communication object is activated with a long tap to the button (more than 0.5 seconds).







Gradhermetic[®] blind

Houseinhand Designer 2.0						_ _ ×
New Import Export Info				Integrator Web Page:	HouseInHand	
Installation diagram	Options		and the second second	Device details	the second data is	
Untitled A Room 1 Device 1	Diagram	Device name:	Device 1			
Device	Expand all	Device family	Blinds	-		
	Collapse all Up Down	Device Type:		Gradhermetic blind 👻		
	Rooms	Group address up blinds/open slats:				
	Add Delete Duplicate	Group address down blinds/close slats:				
	Devices Add Delete Copy					
1 device No license required					Houseinha	nd Designer 2.0

This kind of device corresponds to the Gradhermetic® blind control.

The group addresses to configure are:

- Lifting up blind/open slats: must match the corresponding actuator.
- Lifting down blind/close slats: must match the corresponding actuator.

It is not required to use the central function to control the two actuator channels at the same time.







Velux[®] blind

Houseinhand Designer 2.2				- ×
Nuevo Importar Exportar Info			Página Web del Integrador:	HouseInHand
Diagrama de la instalación	Opciones		Detalles del dispositivo	
Demo	Diagrama	Nombra dal dispositivo:	Davies 1	
A Room 1		Nombre dei dispositivo.		
	Desplegar todo	Familia de dispositivos	Persianas 👻	
	Encoger todo			
	Subir Bajar	lipo de dispositivo:	Persiana Velux	
	Estancias	Dirección de grup subir persinas/abrir lamas:		
	Añadir	Dirección de grup		
	Eliminar	bajai peromasicontai tantao.		
	Duplicar			
	Dispositivos			
	Añadir			
	Eliminar			
	Copiar			
				Houseinhand Designer 2.2
	and the second sec			

This kind of device corresponds to the Velux® blind control.

The group addresses to configure are:

- Lifting up blind: must match the corresponding actuator.
- Lifting down blind: must match the corresponding actuator.

It is not required to use the central function to control the two actuator channels at the same time.







Climate control (1 bit)

Houseinhand Designer 2.0						
New Import Export Info				Integrator Web Page:	HouseInHand	
Installation diagram	Options			Device details		
Untitled A Room 1 Device 1	Diagram	Device name:	Device 1			
Device 1	Expand all	Device family	Climate controls	-		
	Collapse all Up Down	Device Type:	*	Climate control (with 1 bit)	-	
	Rooms	Comfort mode 1b:				
	Add	Standby mode 1b: Night mode 1b:				
	Delete Duplicate	Ends protection 1b:	1 1			
	Devices	Controller block 1b:	/ /			
	Add Delete Copy	Controller status 8b:				
1 device No license required					Hou	seinhand Designer 2.0

This kind of device corresponds to the climate mode control with 1 bit group addresses.

The group addresses to configure are:

- Comfort mode 1bit: comfort mode.
- Standby mode 1bit: standby mode.
- Extremes protection 1bit: extremes protection mode.
- **Block controller 1bit:** thermostat's controller blocking. Leave it blank does not limit any functionality.
- Controller status 1Byte: 1byte thermostat status communication object.

For the correct functioning of the device, it is important to check that the controller status 1Byte reading flag has been enabled in ETS.







Climate control (1Byte)

W Houseinhand Designer 2.0						×
New Import Export Info				Integrator Web Page:	HouseInHand	
Installation diagram	Options		A REAL PROPERTY OF	Device details	and the second second second	
Untitled A Room 1	Diagram	Device name:	Device 1			
Device 1	Expand all	Device family	Climate controls	•		
	Collapse all Up Down	Device Type:	*	Climate control	-	
	Rooms	KNX mode selection 8bits:				
	Add	Lock controller 1bit				
	Delete	Controller state 8bits:				
	Duplicate					
	Devices					
	Add					
	Сору					
1 device No license required					Hous	seinhand Designer 2.0

This kind of device corresponds to the climate mode:

The group directions to configure are:

- **Select KNX mode 1Byte:** temperature mode selection (comfort, standby, night and protection against extremes).
- **Controller block 1bit:** thermostat's controller blocking. Leave it blank does not limit any functionality.
- Controller status 1Byte: 1byte thermostat status communication object.

For the correct functioning of the device, it is important to check that the controller status 1Byte reading flag has been enabled in ETS.







Cool/Heat mode

W Houseinhand Designer 2.5									x
New Import Export Info					Ir	itegrator webpage:	HouseInHand		
Installation diagram	Options				Device del	tails			
Unititled	Diagram	Davice name:	Heat (Cool						
 New room Heat / Cool 		Device frame.	neat/ Cool						
	Extend all	Device Family	Climate o	ontrols	•				
	Collapse all	Device Trees							
	Up Down	Device Type.		[巻]	Heat/cool control	mode	-		
	Rooms	Heat / Cool 1bit		1	l.				
	Add	Status 1bit:		/	/				
	Add		TIME						
	Delete								
	Duplicate								
	Desires								
	Devices								
	Add								
	Delete								
	Conv								
	Сору								
7									
		R = Enable R flag in							
					10000			Houseinhand Design	er 2.5

This type of device corresponds to the cool/heat control mode.

The group addresses to configure are:

- **Cool/Heat:** Communication object for the 1 bit cool/heat climate mode.
- Modification status 1Bit: Current climate mode status 1 bit.

For the correct functioning of the device, it is important to check that the reading flag of the feedback in the ETS has been activated.







Temperature control

Houseinhand Designer 2.2	11000		- 🗆 🗙
New Import Export Info		Integrator webpage: HouseInHand	
Installation diagram	Options	Device details	
Untitled	Diagram	Device name	
New room New device		Device name.	
New device	Extend all	Devices family Climate controls	
	Collapse all		
	Up Down	Devices type: - 23.5°C + Temperature control	
	Rooms	Modified selpoint / / / / / / / / / / / / / / / / / / /	
	Add	Modified setpoint / / R output 16bits:	
	Delete	Increase temperature	
	Duplicate	range to 70°C:	
	Devices		
	Add		
	Add		
	Delete		
	Сору		
		R = Enable R flag in ETS	
		Houseinhand	Designer 2.2

The group addresses to configure, in the case of the direct control of the temperature, is:

- Set-point Output 2Byte: set-point temperature control.
- Set-point Input 2Byte: set-point status.

For the correct functioning of the device, it is important to check that the reading flag in the ETS has been activated.







JUNG® thermostats temperature control

Buseinhand Designer 2.0					
New Import Export Info				Integrator Web Page:	HouseInHand
Installation diagram	Options			Device details	
Untitled A Room 1 Device 1	Diagram	Device name:	Device 1		
	Collapse all	Device Type:			
	Up Down	Innut setnoint change 8b		Temperature control thermost	tat Jung
	Rooms	Temperature setpoint 16b:			
	Delete Duplicate	Forward setpoint change 8b:			
	Devices				
	Delete Copy				
m /					
1 device No license required					Houseinhand Designer 2.0

This type of device is used for the JUNG® thermostats control, where it is not allowed to modify the set-point temperature through the 2 bytes group address. By the means of the 1Byte group address used, we get the same behavior than the thermostat adjustment wheel.

The group addresses to configure are:

- Modification entrance set-point 1Byte: temperature's base value.
- Set-point temperature 2Byte: temperatures visualization.
- Modification set-point status 1Byte: temperatures base value status.

For the correct functioning of the device, it is important to check that the reading flag of the feedback in the ETS has been activated.







Berker® thermostat temperature control

Houseinhand Designer 2.5		
New Import Export Info		Integrator webpage: HouseInHand
Installation diagram	Options	Device details
Unititled	Diagram	Device name: Heat / Cool
Heat / Cool	Extend all	Device Family Climate controls
	Collapse all	
	Up Down	Device Type.
	Rooms	Selpoint input 1bit:
	Add	Setpoint output 2 bytes: / / / R
	Delete	Increase temperature range to 70°C:
	Duplicate	
	Devices	
	Add Delete Copy	
		R = Enable R flag in ETS Houseinhand Designer 2.5

- Set-point output 2Byte: set-point temperature control.
- **Set-point input 1Bit:** set-point temperature forward value (set-point status).

For the correct functioning of the device, it is important to check that the reading flag of the feedback in the ETS has been activated.







Viewers

000		Hous	einhand Designer 2.4		
New Import Export Info				Integrator webpage:	HouseInHand
Installation diagram	Options			Device details	
Unititled Kitchen	Diagram	Device name:	Viewers		
Dimmer values Meteo	Extend all	Device Family	Viewers	:	
	Collapse all	Device Type:	Temperature (C)	;	
	Up Down	Temperature 2bytes:	_ /	/ R	
	Rooms				
	Add				
	Delete				
	Duplicate				
	Devices				
	Add				
	Delete				
	Сору				
		R = Enable R flag in ETS	3		
Stant sectores and sectores and					Houseinhand Designer 2.

This type of device is used to monitor different variable parameters such as temperature, rain, wind, luminosity...

Viewer type	Variable length	Units
Temperature	2 bytes	°C
Temperature	2 bytes	٥K
Temperature	2 bytes	٥F
Humidity	2 bytes	%
Pressure	2 bytes	Pa
Air quality	2 bytes	ppm
Power	2 bytes	KW
Voltage	2 bytes	V
Current	2 bytes	А
Speed	2 bytes	Km/h
Wind	2 bytes	m/s
Luminosity	2 bytes	Klux
Rain	1 bit	yes/no
Twilight	2 bytes	lux

Remember to configure the group addresses for each selected viewer.

For the correct functioning of the device, it is important to check that the reading flag has been enabled in ETS.







Central functions (general turn off, lower blinds, presence simulator)

Mouseinnand Designer 2.0						
New Import Export Info				Integrator Web Page:	HouseInHand	
Installation diagram	Options			Device details		
Untitled	Diagram	Device nome:	Device 1			
A Room 1 Device 1		Device name.	Device 1			
201001	Expand all	Device family	Climate viewers	-		
	Collapse all Up Down	Device Type:	23.5°C	Temperature Viewer 🝷		
	Rooms	Temperature 16b:				
	Add Delete Duplicate					
	Devices Add Delete					
N/	Сору					
1 device No license required					Hot	useinhand Designer 2.0

The group addresses to configure are:

- **Central function 1bit:** programmed central function.

Besides, it is necessary to configure the following parameter:

- **Sending value 1:** if this checkbox is enabled the value to send on the previously indicated group address will be 1. Otherwise, a 0 will be sent.







KNX Scenes

B Houseinhand Designer 2.0					
New Import Export Info				Integrator Web Page:	HouseInHand
Installation diagram	Options			Device details	
Untitled	Diagram	Daviasa	Davies 4		
4 Room 1		Device frame.	Device		
Device I	Expand all	Device family	General controls	-	
	Collapse all Up Down	Device Type:		KNX Scene 🗸	
	Rooms	Scene direction 8bits			
	Add Delete Duplicate	Scene number 8bits			
	Devices Add Delete				
	Сору				
1 device No license required					Houseinhand Designer 2.0

The group address to configure is:

- Scene address 1Byte: programmed KNX scene.

Besides, it is necessary to configure the following parameter:

- Scene number 1Byte: Scene number to activate (between 1 and 256).







Technical alarms

Houseinhand Designer 2.0						
Nuevo Importar Exportar Info				Página Web del Integrador:	HouseInHand	
Diagrama de la instalación	Opciones		Det	alles del dispositivo		
Prueba	Diagrama	Nombre del dispositivo:	Alarma técnica			
Alarma techica	Desplegar todo	Familia de dispositivos	Alarmas	-		
	Encoger todo Subir Bajar	Tipo de dispositivo:	Alarma técnica	•		
	Estancias	Estado alarma:				
	Añadir Eliminar					
	Dispositivos					
	Añadir Eliminar Copiar					
m/						
1 dispositivo No requiere licencia					He	ouseinhand Designer 2.0

The group address to set up is:

- Alarm state 14Bytes: text configured in the case of alarm.







Door Communication System (JUNG® DCS, TCS®)

Houseinhand Designer 2.0						
Nuevo Importar Exportar Info				Página Web del Integrador.	HouseInHand	
Diagrama de la instalación	Opciones		Deta	alles del dispositivo		
Prueba Habitación 1 Videoportero TKM	Diagrama Desplegar todo	Nombre del dispositivo: Familia de dispositivos	Videoportero TKM Videoportero	-		
	Encoger todo Subir Bajar	Tipo de dispositivo: IP privada destino:	Videoportero	•		
	Estancias	Puerto público destino:				
	Eliminar Duplicar					
	Dispositivos Añadir					
	Eliminar					
1 dispositivo No requiere licencia					Houseinhand	Designer 2.0

The fields to set up are:

- **Private IP:** IP address corresponding to the video-streamers private IP.
- **Public port:** Port used by the application to connect from outside without VPN (NAT). For further information about remote connections please refer to the manual "Remote setup without VPN"

The public IP address is known by the application when connecting to a public IP to remotely control KNX installation. The private port of the video streamer is 80.

For further information about the DCS configuration please refer to the manual "DCS setup"







Door Communication System - KNX (with Axis[®] and Mobotix[®])

Houseinhand Designer 2.1	4			- • ×
Nuevo Importar Exportar Info			Página Web del Integrador:	HouseInHand
Diagrama de la instalación	Opciones		Detalles del dispositivo	the second states of the second states
Nuevos dispositivos Videoporteros Videoportero KNX	Diagrama Desplegar todo Encoger todo	Nombre del dispositivo: Familia de dispositivos Tipo de dispositivo:	Videoportero KNX Videoporteros Videoportero KNX - Axis	
	Subir Bajar	IP privada destino:	192.168.1.70	
	Estancias	Puerto público destino: Nombre de usuario:	82 admin	
	Eliminar	Contraseña:	1234	
	Dispositivos Añadir Eliminar Copiar	Accionamiento KNX:		
1 dispositivo No requiere licencia				Houseinhand Designer 2.1

The fields to set up are:

- **Device type:** Select if the image source is from Axis® or Mobotixi® IP camera.
- **Private IP:** IP address corresponding to the private IP of the IP Camera. <u>The application adjusts the bandwidth and quality.</u>
- **Public port:** Port used by the application to connect from outside without VPN (NAT). For further information about remote connections please refer to the manual "Remote setup without VPN"
- **Username:** Username of the IP camera
- **Password:** Password of the IP camera.
- **Open door KNX:** Group address corresponding to the communication object for the 1 bit control (On/Off). The application sends "1" when the user touches down the open door button, and a "0" two seconds after the user touches up the button.

The public IP address is known by the application when connecting to a public IP to remotely control KNX installation The private port of the IP camera is port 80.







Axis[®] & Mobotix[®] IP Cameras

Houseinhand Designer 2.1	9					×
Nuevo Importar Exportar Info				Página Web del Integrador:	HouseInHand	
Diagrama de la instalación	Opciones			Detalles del dispositivo		
Nuevos dispositivos Videoporteros Videoportero KNX Cámaras	Diagrama	Nombre del dispositivo: Familia de dispositivos	Cámara IP Cámaras IP			
Cámara IP	Encoger todo Subir Bajar	Tipo de dispositivo:	Axis	-		
		IP privada destino:		192.168.1.60		
	Estancias	Puerto público destino:		81		
	Añadir	Nombre de usuario:		admin		
	Eliminar	Contraseña:		1234		
	Duplicar					
	Dispositivos					
	Añadir Eliminar					
$P \land P$						
2 dispositivos No requiere licencia					Housein	hand Designer 2.1

The fields to set up are:

- **Device type:** Select if the image source is from Axis® or Mobotix® IP camera.
- **Private IP:** IP address corresponding to the private IP of the IP Camera.
- **Public port:** Port used by the application to connect from outside without VPN (NAT). For further information about remote connections please refer to the manual "Remote setup without VPN"
- Username: Username of the IP camera
- **Password:** Password of the IP camera.

The public IP address is known by the application when connecting to a public IP to remotely control KNX installation The private port of the ip camera is 80.







Generic IP Camera

000		🕮 House	einhand Designer 2.4		
New Import Export Info				Integrator webpage:	HouseInHand
Installation diagram	Options			Device details	
Unititled Vitchen	Diagram	Device name:	Generic camera		
Dimmer values Weteo Viewers	Extend all	Device Family	IP cameras	•	
Cameras Generic camera	Collapse all	Device Type:	Generic	;	
	Up Down	Private destination IP:	192.168.1.60		
	Rooms	Remote destination IP:	intesis.dyndns.org:81		
	Add	Username:	admin		
	Delete	Password:	1234		
	Duplicate				
	Devices				
	Add				
	Сору				
					Houseinhand Designer 2.4

The fields to set up are:

- **Type of device:** Select that the image source is a Generic IP camera.
- **Private IP destination:** IP address corresponding to the private IP of the IP Camera.
- **Remote IP destination:** Port used by the application to connect from outside without VPN (NAT). In this case, user has to introduce the IP address, the port address and, if desired, the parameters for image and transmission adjustments (see example below).

yourdomain.org:81/axiscgi/mjpg/video.cgi?resolution=400x300&compression=30&fps=15-4

IP address

Image and transmission parameters

Port address

For further information about remote connections please refer to the manual "Remote setup without VPN".

- Username: Username of the IP camera
- **Password:** Password of the IP camera.







AV Control (IRTrans®)

Houseinhand Designer 2.0				
Nuevo Importar Exportar Info			Página Web del Integrador: HouseInHand	
Diagrama de la instalación	Opciones		Detalles del dispositivo	
Prueba A Habitación 1	Diagrama	Nombre del dispositivo:	Apple TV	<u> </u>
Apple TV	Desplegar todo	Familia de dispositivos	Controles multimedia	
	Encoger todo Subir Bajar	Tipo de dispositivo:	Multimedia	
	Estancias	Icono dispositivo:	Seleccione una imagen	E
	Añadir	IP Privada destino:	192.168.1.201	
	Eliminar	Puerto Privado destino:	21000	
	Duplicar	Puerto Público destino:	21000	
	Dispositivos	LED destino:		
	Añadir	Mando a distancia:	Nombre del mando	
	Eliminar	Expulsar:	eject	
	Copiar	Encender:	on/off	
		AV:	av	
		Subir canal:	chUP	
		Bajar canal:	chDOWN	
		Silencio:	mute	
		Subir volumen:	volUP	- 11-1-1
1 dispositivo No requiere licencia			and the second	Houseinhand Designer 2.0

The fields that need to be configured are:

- **Private IP:** Private IP address of the IRTrans® module.
- **Private port:** Private port used by the application to connect to the IRTrans® module from inside. The default value is 21000.
- **Public port:** Port used by the application to connect to the IRTrans® module from outside. For further information about remote connections please refer to the manual "Remote setup without VPN".
- **Destination LED:** Indicator used by the IRTrans® module to know to which LED has to send the commands. (In these devices that has more than one LED)

The possible values are:

- i: Refers to the internal LED. It is de default value, and the most common.
- **e:** Refers to the external LED. Use this in the case you have another LED by cable connected to the Jack port of IRTrans®.
- **1-6:** Other devices and usages.
- **Remote control:** Label assigned to the name of the remote we are controlling. For further information please refer to he "IRTrans setup manual" or check their official manual: *http://www.irtrans.de/en/download/*







The rest of fields are about the labels assigned to the IRTrans® module to control each function. To make the process even more straight-forward, Houseinhand Designer assigns this labels as default labels. If you setup the IRTrans® following this, no more configurations will be needed. If you want to use custom labels, just edit the fields.



Full TV remote







Multipurpose multimedia remote









Multimedia IRTrans® Macro

Waseinhand Designer 2.5					
New Import Export Info				Integrator webpage:	HouseInHand
Installation diagram	Options			Device details	
Unititled	Diagram	Device name:	Heat / Cool		
New room Heat/Cool		Device name.	Heat/Cool		
Tieat/ Cool	Extend all	Device Family	Multimedia controls 🔹		
	Collapse all				
	Up Down	Device Type:	Macros - IRTrans -		
	Rooms	Device icon:	Select an image	\bigcirc	
				\subseteq	
	Add	Private destination IP:	192.168.1.101		
	Delete	Private dectination part	21000		
	Duplicate	Private destination port			
		Public destination port:	21000		
	Devices	Destination LED:	i .		
		Remote	Remote name		
	Add				
	Delete	First function:	on/off		
	Сору	First delay:	1		
		Second function:	av		
		Second delaw			
1		Second denay.			
		Third function:	volUp		
					Houseinhand Designer 2.5
			the second s		nouseillinung bestigner 215

The fields that need to be configured are:

- **Private destination IP:** IP address that corresponds to the IRTrans® module.
- **Private destination port:** Port used for the app to connect locally with IRTrans[®]. Port 21000 is the one used by default.
- **Public destination port:** Port used by the application to connect remotely to IRTrans[®]. For more information about remote connection, please check the manual *"Remote Connections without VPN".*
- **Destination LED:** Indicator used by the IRTrans® module to know to which LED commands need to be sent (on those devices that has more than one). Possible cases are:
 - $\circ\;$ i: It makes reference on the internal LED. It is the default value and the most used.
 - **e:** It makes reference to the external LED. Use it in case of having a *"tear"* connected to the *Jack* port of the IRTrans®.
 - **1-6:** Other devices and uses.
- **Remote controller:** Label assigned to the remote controller which has to be controlled. For more information, please check the manual *"IRTrans®*"







module configuration" or check the manuals available in the manufacturers website: <u>http://www.irtrans.de/en/download/</u>

- First function: label of the first command to be sent.
- **First delay:** Delay (in seconds) that will apply before the next command is sent.
- **Second function:** label of the second command to be sent.
- **Second delay:** delay (in seconds) that will apply before the next command is sent.
- Third function: label of the third command to be sent.







AV Control (Global Cache®)

Houseinhand Designer 2.1	9			x
Nuevo Importar Exportar Info			Página Web del Integrador. HouseinHand	
Diagrama de la instalación	Opciones		Detalles del dispositivo	
Nuevos dispositivos Videoporteros	Diagrama	Nombre del dispositivo:	Global Cache	<u> </u>
Cámaras Cámara IP	Desplegar todo	Familia de dispositivos	Controles multimedia	
 Multimedia Global Cache 	Encoger todo Subir Bajar	Tipo de dispositivo:	Multimedia - Global Caché 👻	
	Estancias	Icono dispositivo:	Seleccione una imagen	
	Añadir	IP Privada destino:	192.168.1.101	
	Eliminar	Puerto Privado destino:	4998	
	Duplicar	Puerto Público destino:	4998	
	Dispositivos	Expulsar:	sendir,	
	Añadir	Encender:	sendir,	
	Eliminar	AV:	sendir,	
	Copiar	Subir canal:	sendir,	
		Bajar canal:	sendir,	
		Silencio:	sendir,	
		Subir volumen:	sendir,	
		Bajar volumen:	sendir,	
		Aceptar:	sendir,	-
3 dispositivos No requiere licencia			House	inhand Designer 2.1

The fields that need to be configured are:

- **Private IP:** Private IP address of the Global Cache® module.
- **Private port:** Private port used by the application to connect to the Global Cache® module from inside. The default value is 4998.
- **Public port:** Port used by the application to connect to the Global Cache® module from outside. For further information about remote connections please refer to the manual "Remote setup without VPN".

The rest of fields are about the Global Cache module to control each function. To fill all the fields, it's necessary to learn the IR commands with *iLearn* program (available in Global Cache webpage).

For instance:







Global Cache[®] Macro

Houseinhand Designer 2.5					
New Import Export Info				Integrator webpage:	HouseInHand
Installation diagram	Options			Device details	the second of the second of the
Unititled	Diagram	Davica nama:	Heat / Cool		
A New room Heat / Cool		Device name.			
	Extend all	Device Family	Multimedia controls	-	
	Collapse all	Davica Type:	Manual Olahal Casha		
	Up Down	Device Type.	Macros - Global Cache		
	Rooms	Device icon:	Select an image		
	Add	Private destination IP:	192.168.1.101		
	Delete	Private destination port	4998		
	Duplicate	Public destination port:	4998		
	Devices	First delay:	sendir,		
	Add	Second delay:	1		
	Delete	First function:	sendir,		
	Сору	Second function:	1		
		Third function:	sendir,		
3.2					
					Houseinhand Designer 2.5

The fields that need to be configured are:

- Private destination IP: IP address of the IP module from Global Cache[®].
- **Private destination port:** Port used by our application to locally connect with Global Cache[®]. Port 4998 is the one used by default.
- **Public destination port:** Port used for the application to connect remotely to Global Cache[®]. For more information about remote connections, please check the manual *"Remote connections without VPN".*
- First function: label of the first command to be sent.
- **First delay:** delay (in seconds) that will apply before the next command is sent.
- **Second function:** label of the second command to be sent.
- **Second delay:** delay (in seconds) that will apply before the next command is sent.
- Third function: label of the third command to be sent.







Those commands correspond to the IR frames learned with the program iLearn (available in the manufacturer website).

Example:

For more information on how to learn the IR commands, please check the manuals from Global ®.







Finishing configuration

Web site and integrator image



Houseinhand® allows personalizing the application in order that a link shows up (and takes you to the web site of the integrator), as well as an image or logotype.

To introduce the image, it is necessary to attach to the application (by means of the method iTunes File Sharing, see corresponding section) the logotype or image that you want with the following requirements:

- Name of the logotype/image: hih_integrador
- Size (wide x high): 115 x 65 (in pixels)
- Format: PNG

In case of not respecting these requirements, the result may not be the expected.







For the link with the web site to appear, it is necessary to introduce it in the field "Integrator's web site", in the upper right corner of the application.









Export configuration file

Once finished the configuration, the last step consists of exporting the file in order to introduce it in the final device.

For that purpose, it will be necessary to select the button "Export Config", appearing a window as the one below:

💹 Guardar Configuración					×
G C C Biblioteca	s)	▼ 49	Buscar Bibliotec	as	٩
Organizar 🔻				₩= ▼	0
▲ ☆ Favoritos ↓ Descargas	Bibliotecas Abra una biblioteca para ver sus archivos y organícelos por carpeta, fecha y otras propiedades.				
Escritorio	Documentos Biblioteca Imágenes Biblioteca		Música Biblioteca		
 ■ Bibliotecas ■ Documentos ■ Imágenes ■ Música ■ Vídeos ■ Equipo ■ Red 	Vídeos Biblioteca	-			
N <u>o</u> mbre:	, filer (* rfn)				•
Ocultar carpetas	nes (kry)		Guardar	Cancela	ar

Once the name and destination are introduced (it can be any name, as long as it has the extension .cfg), you will press the button 'save'.

This way, two files will be generated: the cfg. and one of configuration preview (in plain text format), which is useful to check that the whole structure has been correctly carried out.







Obtaining a license

The license file is necessary to associate a device (iPhone/iPod/iPad) with the license number obtained. This file is totally independent from that of the configuration, and it is only necessary to request one for every new device.

The steps to follow must be carried out **from the final device**, that is to say the device for which one requests the license. Though the captures that appear later are that of the iPhone, the procedure in case of being an iPad is the same.

1. From the Houseinhand start window, Access the info window.



2. Once in the info window please press the UDID button:









3. Automatically, it will generate an e-mail with the device UDID and IP Router/Gateway MAC address (if connected to it).

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Cancel License Info HiH Send
Subject: License Info HiH v1.4
Device type: iPhone
UDID:
QWERTYUIOP
ASDFGHJKL
💿 Z X C V B N M 💌
123 🌐 espacio intro

This e-mail must be sent to your Houseinhand Sales Partner or sales@houseinhand.com, indicating the reference of the order in the concept and the type of license to assign to each device.

The references for each license are the following:

LICENSE TYPE / DEVICE	REFERENCE
iPhone / iPod	HIH_IPHONE
iPad	HIH_IPAD

For instance, in case of requesting two licenses, one for iPhone/iPod and another one for iPad, you must indicate it as follows:

- 1. iPhone/iPod's UDID HIH_IPHONE
- 2. iPad's UDID- HIH_IPAD