HIQ Configurator

HIQ Configurator is a tool for setting the HIQ system configuration parameters. This includes device settings, timetable, automation, alarm and more. Controller Settings can be saved in a file. Hardware configuration is automatically detected during the installation.

To check the application without the hardware, run HIQ Simulator (included in HIQ Configurator install directory), keep it running, and click Autodetect.

HIQ Configurator works in a local network, internet access is not supported.

Download HIQ Configurator.

Lights + Blinds

Manual control of lights, dimmers, blinds and scenes.

Manual control					
On Off lights Click on icon to toggle.					
Dimmable lights	Adjust brightness with slider then click on icon to to toggle on/off.				
Blinds	Click on blind to set position.				
Scenes Click on scene icon to set affected lights and blir values stored in scene memory.					
	Settings				
On Off lights	Long-press to set auto off time in seconds; set to 0 to disable auto-off.				
Dimmable lights	Long-press on numbers by dimmer icons to set minimum and maximum output level. Check Slow option to gruadually enable intensity change for all dimmable lights.				



Blinds	Long-press on upper / lower time to set rising / lowering time.
DIIIIUS	Long-press on % to set intermediate position. Set to 0 for no intermediate position.
Scenes	Long-press on scene icon to memorize current lights/blinds state to scene memory. Only affected lights and blinds will be memorized. For setting affected devices see Scene editor.

RGB dimmer

RGB mode is used when red/green/blue/(white) LED stripe is connected to the dimmer. Instead of individual light, total brightness, saturation and hue are controlled.

Control					
Sliders on top adjust brightness, saturation and hue of RGB lights. Check boxes on right side toggle RGB and White lamps					
Color cycling button will start color cycling.					
Colors buttons will set RGB lights to match button colour.					
Off button will turn RGB off.					
Settings					
Cycle time sets color cycling speed (time for complete cycle in seconds).					
Evo light check box enables white range simulation, from warm to cold					



white.

Input setup

Set mode of operation for each Light controller (LC) input. Click on input icon to cycle between all options.

In scene mode corresponding scene has to be set.

Settings	
Default is to toggle the corresponding output on and off with each keypress.	
Timer extend is used to extend the time when output is configured as timer.	
Typical usage is for a staircase light.	
Direct mode turns output on when button is pressed, off when released. Typical usage is for a door bell.	
Scene button enables selected scene. Scene number is altered with a long press on scene number.	
Timer extend mode extends timer with every press. Typical use is motion (PIR) sensor.	
Timer extend/night only - the same as above, works only al low light conditions.	
Motions sensor for ready light.	
Inverse door (window) sensor – inverse function of "direct" (doorbell) button.	
Inverse door sensor/night only – the same as above, works only al low light conditions.	
Door sensor for ready light.	
Input only – used for custom programming in Home controller.	

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											A doorbell button (direct)	Energy
											scene button	System Exit
											 motion sensor (timer extend) 	
											mation sensor night only	
LC2											motion sensor for ready light	
											door sensor (inverse)	
											door sensor night only	
											door sensor for ready light	
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IR remote

HIQ scenes can be set from an IR remote controller. Any Philips (RC5) compatible remote controller can be used. Receiver is any scene controller or thermostat (SC-4T-IQ, SC-40-IQ, TH-1M-IQ, TH-1T-IQ and TH-3-IQ).

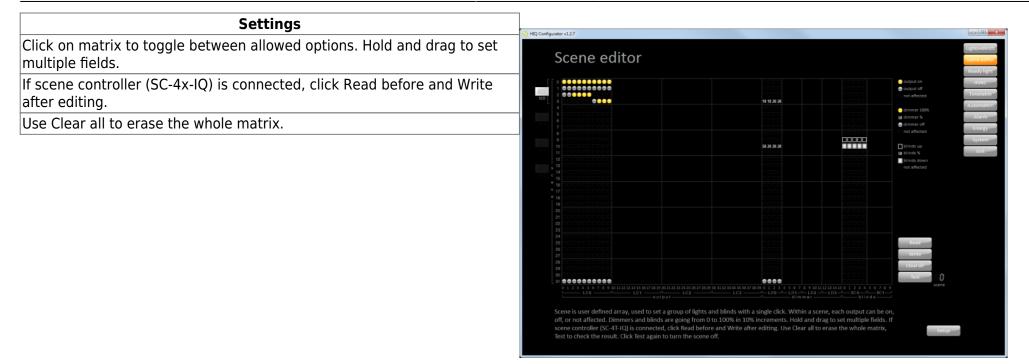
Settings
Press remote controller button until the code is recognized, then assign it
to a scene.

Enable or disable IR receiver in each scene controller and/or thermostat. Enable or disable beep when valid IR code is received.

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IR remote							Lights+bl
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				17			Energy
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							Exit
	100						
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						Clear all	
	custom codies						
HIQ system can use infrared	remote to set a scene. There ar	e two methods: unive	rsal remote o	onfigured wit			
	dard remote. In last case, HIQ						
	des, press a remote button, the						
	ess of it's original function. How						lack
	Receiver is the closest HIQ scen						

Scene editor

A Scene is a user defined array, used to set a group of lights and blinds to a predefined state. Within a scene, each output can be on, off, or not affected. Dimmer and blinds can be set from 0 to 100% in 10% increments.



Ready light

Ready Light is a light automation system. Unlike common presence detectors, its design ensures almost perfect operation. The system is based on two sensors, passive infrared (PIR) for presence, and magnetic reed switch for door open/close. System can be used with a single sensor (PIR or reed), but is also limited to common functionality.

Settings room enable Enables Ready Light functionality.

only by night	Enables operation at low light conditions only.					
light output	ht output Set which light will be effected.					
motion sensor	Set motion sensor (PIR) input.					
door sensor	sensor Set magnetic (reed) door sensor input.					
short timeout	Set time from closing the door to the moment when lights will turn off.					
	Set time from leaving the room to light off, without closing the door.					

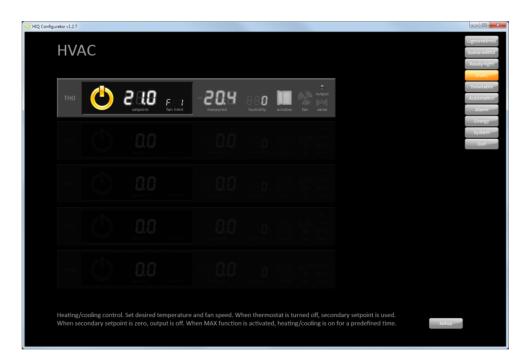


Ready light is a light automation system based on two sensors: motion (pir) for presence, and magnetic reed switch for door open/dose. Sensor is connected to a spare input of light controller (0..39). When room has daylight option "only by night" must be on, so lights will turn on only when necessary. Short timeout is time, in seconds, from closing the door to light off. If time is too short, light may turn off after entering the room. Long timeout is time from leaving the room to light off, without closing the door.

HVAC

Heating/cooling control.

Settings					
on/off	Toggle on/off mode. When OFF, secondary setpoint is used. When secondary setpoint is set to 0, output is off.				
setpoint	setpoint Setpoint for ON mode.				
fan limit Toggle between preset fan modes.					

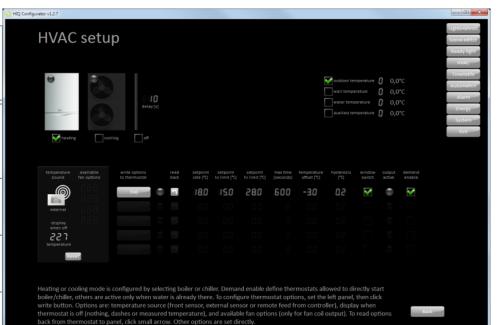


HVAC setup

Heating/cooling setup.

Settings				
heating/cooling/off	Operation mode and energy source selection.			
delay	Actuator delay time in seconds.			

If installed enable and select which thermostats external temperature sensor is measuring selected temperature.
Select thermostat regulation temperature source: internal, external (connected to thermostat) or remote (connected to fan-coil controller).
Select what to display when thermostat is off. Available options are nothing, dashes or measured temperature.
Select available fan options: F1 (low speed), F2 (medium speed), F3 (high speed) and MAX (max fan speed for predefined time).
Write thermostat options to device.
Read thermostat options from device.
Idle setpoint, used when thermostat is off. Set to 0 for disabling heating/cooling when
thermostat is off.
Lower limit for user setpoint setting.
Lower limit for user setpoint setting.
Lower limit for user setpoint setting. Higher limit for user setpoint setting.
Lower limit for user setpoint setting. Higher limit for user setpoint setting. Timeout for fan max functionality.
Lower limit for user setpoint setting. Higher limit for user setpoint setting. Timeout for fan max functionality. Offset for temperature measurements. Hysteresis for thermostat temperature
Lower limit for user setpoint setting. Higher limit for user setpoint setting. Timeout for fan max functionality. Offset for temperature measurements. Hysteresis for thermostat temperature regulation. Enable window switch. When enabled



demand enable	Enable heating/cooling demand. When enabled, output on Home controller will be switched on (QX6 for heating and QX5 for cooling.
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Timetable

Timetable defines periods in which the heating/cooling system is active, when output (0-55) and/or scene is active. Tables are independent, and may be used to handle separate zones, e.g. living area or sleeping area. Manual override is possible at any time, timetable will catch on with the next transition.

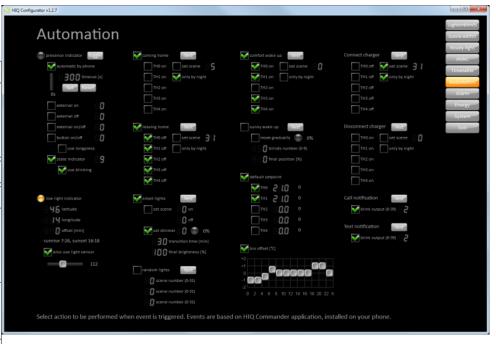
	Settings
matrix	Click to toggle active/idle state. Hold and drag mouse to set multiple fields. Each rectangle represents a half hour.
TH0 TH4	Select which thermostat is affected.
set output	Select and specify which output is activated on idle to active transition and deactivated at active to idle transition.
set scene	Select and specify which scene is activated on idle to active transition (on) and at active to idle transition. (off)



Automation

Events are based on the HIQ Commander application, which must be installed on your phone. Some phones may not support all events.

	Settings
Select tasks and actions to be performed automatically and/or when the event occurs.	
presence indicator	Used for alarm arming and automations.
low light indicator	Indication; Used for various automations.
latitude / longitude	Set geographic location for sunrise / sunset calculation. Can be set automatically from smartphone (if enabled). Also correct time zone must be set in "system \rightarrow setup \rightarrow time zone".
offset	Sunrise/sunset correction given in minutes, positive value moves sunrise later and sunset earlier.
also use light sensor	Use lightness sensor for low light calculation.
threshold	Lightness sensor threshold for day/night calculation.
coming home	Task is triggered when we came home – in connection with presence indicator.
TH0 on TH4 on	Select which thermostat is toggled to ON state.
set scene	Set scene to be activated at coming home task.
only by night	If enabled, scene will be triggered at low light.
leaving home	Task is triggered when we leave – in connection with presence indicator.
TH0 off TH4 off	Select which thermostat is toggled to ON state.



set scene	Set scene to be activated at leaving home task.
	If enabled, scene will be triggered at low light.
only by night	
smart lights	
set scene (on)	Set scene that will be activated at transition from day to night.
set scene (of)	Set scene that will be activated at transition from night to day.
set dimmer	Dimmed light that will activated at night
transition time	Transition time of selected dimmer light.
final brightness	Final brightness of selected dimmer light
random lights	When nobody is at home set random scenes to discourage snooping.
scene number	Set which scenes will be randomly triggered.
comfort wake up	Task is triggered at a predefined time before smartphone alarm time (time is set on the smartphone).
TH0 on TH4 on	Select affected thermostats.
set scene	Set scene to be activated at comfort wake up task.
only by night	If enabled, scene will be triggered only at low light.
sunny wake up	HIQ lifts blind in your bedroom. Task is triggered at a predefined time before smartphone alarm time (time is set on the smartphone).
move gradually	Selected blind will move gradually.
blinds number	Set affected blind.
final position	Final blind position.
default setpoint	When active, temperature setpoint adjustment is valid for about an hour, then it returns to the predefined, optimal temperature.
TH0 TH4	Select affected thermostat and set optimal temperature. The remaing time is shown in minutes
bio offset	Temperature will follow your natural biological rhythm (chronotype).

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time-plot	Set morning, evening or both temperatures to increase/decrease.
slider	Set temperature increase/decrease.
connect charger	Actions will be triggered when smartphone is connected to a charger.
TH0 off TH4 off	Select which thermostat is affected.
set scene	Set scene to be activated at connecting charger.
only by night	If enabled, scene will be triggered only at low light.
disconnect charger	Actions will be triggered when smartphone is disconnected from a charger.
TH0 on TH4 on	Select which thermostat is affected.
set scene	Set scene to be activated at disconnecting charger.
only by night	If enabled, scene will be triggered only at low light.
call notification	When you receive a call, selected light will turn on and off a couple of times, to get your attention when phone is away or silenced.
Output number	Set affected light output (0-55).
text notification	When you receive a text message, selected light will turn on and off a couple of times, to get your attention when phone is away or silenced.
Output number	Set affected light (0-55).

Alarm

Alarm is based on 4 zones, each with up to 3 sensors. Alarm states are:

• **OFF**: protection is off.

- Arming: protection is switching on, active timeout for leaving protected area.
- Armed: protection enabled.
- **Activating**: protection is on and movement detected timeout allows to disengage alarm.
- Alarm active: intrusion detected, siren output active.
- **Expired**: delay time expired, siren is turned off (default 120s).

	Control
zone0 zone3	Select affected zone.
alarm on/off	Toggle alarm for selected zones. If "require 4-digit code" is enabled we have to enter the code first.
	Settings
enable	Enable or disable sensor on selected input.
instant	If enabled, alarm will be activated instantly, without "Activating" time. Use in places without presence.
input	Input which triggers the alarm. Motion (PIR) sensors are recommended but any input can be used.
arming time	Time from activating alarm to "Armed" state.
delay time	Time from intrusion detected to "alarm active" state.
active time	"Alarm active" time. When expired the siren will be switched off.
alarm output	Output for siren or other indicator.
alarm scene	"Alarm active" scene.
auto arming by presence signal	Automatic arming by presence signal.
require 4-digit code	Change 4-digit arming/disarming code. Valid only in HIQ configurator.
state indicator	Alarm state indicator. Blinks when arming, ON when armed. Outputs 0-39 can be used.
use blinking	Alarm state indicator blinks when "Arming" is activated and when alarm is deactivated.

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Alarm			Lights+blinds Scene editor
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₽ ₩ ₽ ₽ ₽	zone 2	zone 3	System Exit
alarmistate		_	
2000 B 2000 1 2000 2 2000 3	3 () arming time [s] 3 () delay time [s] 4 (s) time [s] 4 (s) active time [s] 5 () alarm output	auto arming by presence signal require 4-digit code require 4-digit code state indicator use bilinking	
Alarm on/off	alarm scene 🔤 🖁 🖁		

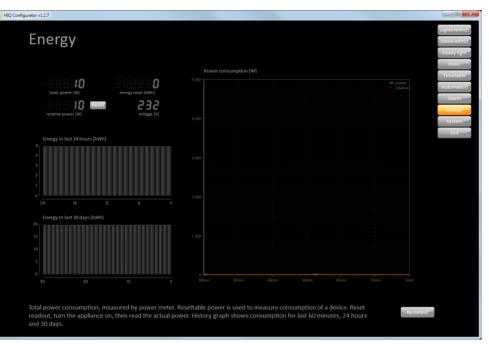
Alarm is based on 4 zones, each with up to 3 sensors. Sensor is configured as number of input where the sensor is connected (0..39). If instant is enabled, alarm is invoked immediately, skipping delay. Arming time is period from turning alarm on to the operative state. Delay time is period from sensor activation to alarm. Active time defines how long alarm output will be active.

Auto arming/disarming is based on HIQ Commander app. When phone connects to home wi-fi, alarm is disabled. If configurator is easily accessable, use 4-digit code to increase security. If code is lost, press and hold on/off button for about a minute. Alarm can also be operated with a long press (cca. 24) of a button. Turn on/off may be indicated by flashing a light, or dedicated indicator.

Energy

Energy monitoring is the first step to efficient energy usage. Once knowing how much energy something is using, one can make a rational strategy for saving.

	Overview				
total power	Current power.				
energy total	Used energy since energy counter installation (or reset).				
relative power	Toggle between preset fan modes.				
voltage	Current system voltage.				
energy in last 24 hours	Graph of used energy in last 24 hours.				
energy in last 30 days	Graph of used energy in last 30 days.				
Power consumption	Power consumption in last hour. (HIQ Configurator must run.)				
	Settings				
Reset	 Reset energy consumption, to measure the amount of electricity something is using: 1. Turn the output off. 2. Reset relative power. 3. Turn the output on. A few seconds later, measured relative power is displayed. If the reading is not stable, temporary turn off any load which may consume variable amount of power. Measured rating may be used to set the nominal power on 'Energy by output' page. 				



Energy by output

	Overview	HQ Configurator v1.2.7														
Power count	How many times the output is turned on.															1
Working hours	Total number of hours the output spent in on state	Ene	ergy	by	out	put										
Nominal power	Nominal power configured by user.		Power count [n]	Working N hours [h]	ominal C power ([W]	urrent E power [W]	nergy Energy today total [Wh] [kWh]		Power count [n]	Working N hours [h]	Nominal C power [W]	Current power [W]	Energy Er today [Wh] [i	nergy total kWh]		
Current power	Output power at the current moment.	out 0 out 1			100 500	0 500	130 0 738 0									
Energy today	Total energy used from last midnight.	out 2 out 3 out 4			1000 2000 3000 100	1000 2000 0	1479 1 2551 2 3620 3 3886 4									
Energy total	Total energy consumed by the specific output.	out 6 out 7 out 8			150 150 150	0 0 150	3027 3 2871 3 2643 3									
	Configuration	out 9 out 10 out 11														
output	Select the target output with +/- button.	out 12 out 13 out 14						dim 0 dim 1 dim 2	43 39 38		15 15 15		49 52 58			
Set nominal	Set nominal power. It can be measured by resettable power meter or read from the label.	- auf 15 ouf 16 ouf 17 ouf 18 ouf 19						dim 3 dim 4 dim 5 dim 6 dim 7							Configuration	
Reset counter	Power count, working hours and energy total can be reset.														Set nominal Reset counte Toggle output	
Toggle output	Toggle selected output.	001728 001727 001728 001729														

System

System page offers system overview and configuration tools.

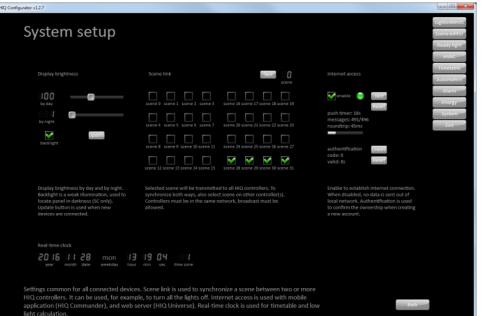
	Overview
System	Toggle on/off mode. When OFF, secondary setpoint is used. When secondary setpoint is set to 0, output is off.

CAN traffic monito	r Setpoint for ON mode.	HQ Configurator v12.7	
Rx/Tx	CAN receive (Rx) and transmit (Tx) speed.		
CAN error counters	s Setpoint for ON mode.	System	
Rx/Tx	Errors on receive (Rx) and transmit (Tx) side. Counter can be reset with "Reset" button.	LC-10-IQ US19 4000 4000 4000 4000 4000 4000 4000 40	CAN traffic monitor Rx Tx CAN error counters CAN error counters
Power supply	Monitoring of voltage on HIQ modules. The voltage must be between 18 and 26V. If the voltage is lower check contacts and connections.	LD-X4-IQ 102720 x0000 x0000 x0000 dimmer 0.15 107 007 007 007 007 BC-5-IQ 102 x007 blinds 0.9 82 x07 SC-4X-IQ 102 100 x000 x000	Rx 0 0 127 Tx 127 Power supply Assign communication addresses. For devices in switchbard, address is assigned in order, Other devices are addressed by serial number. The procedure takes a few minutes.
Reset counter:	Total number of Home controller resets (i.e. power downs).	SC-47A-FUQ scene 015 wasses 25/9 0.0V 0.000 5/2 0.0V 0.0V TH-X-FQ thermostat 04 MS3M 22,8V 0.0V 0.0V 0.0V 0.0V TH-X-FQ thermostat 04 MS3M 22,8V 0.0V 0.0V 0.0V 0.0V	20 - 1 16 LC LD DC SC TH FC Sure control Restore control Save system setting: (control restore) light, hvac setup, timetable, automation,
System uptime:	Time from last system reset.	FC-1-IQ v0000 v0000 v0000 v0000 v0000 fan-coll 0.4 0.0V 0.0V 0.0V 0.0V	neset counters of alarm) to file, or restore saved state. System uptime: 3 h Device settings (output time, input Operating hours: 36 h mode, blinds settings) not included.
Operating hours:	Total operating hours.	rCD FCI FC2 FC3 FC4	device ip address ping prog alc run transfer date scan time roundtrip
	Configuration	231V power meter	c17324 192.168.1.136 💿 💽 💽 2016-11-18.1228:56 9 ms 27 ms pc 0.0.0.0 💿 💿 💿 2016-11-28.10-38:54 203 ms -
Autodetect	Press to select your Home controller. If there are many controlles you have to choose appropriate serial number (written on the top of Home controller). manual_detect	Hardware model, firmware version, power supply and s marked with a cross, check ethernet connection, check c button. If all devices are missing, check 24V power suppl is wrong, press Autoaddress button.	ontroller run/stop switch, then press Autodetect
Autoaddress	Used to get all modules in order. Has to be done on system commissioning or on system hardware change. manual_address		
Save config	System settings are saved in HIQ Configurator installation dir, file "Settings.xml"		
Restore config	Uploads setting from "Settings.xml" file in HIQ Configurator installation dir.		

Ugnts-Iblinds Scene editor Ready light HAAC Timetable Automation Alarm Energy System Ent

System setup

Day/night Brightness of scene controllers and	HQ Configurator v12.7	
thermostats.	System setup	
Illumination on scene controllers.		
	Display brightness	Scene link
Enable /disable internet connection.	by night	scene 4 scene 5 scen
, ,	bestight	scene 8 scene 9 scene scene 12 scene 13 scene
Clock is automatically synchronised with your smartphone. Time zone is set in this menu or retrieved from "location information" from your smartphone.	Display brightness by day and by night. Backlight is a weak illumination, used to locate panel in darkness (C con), Update button is used when new devices are connected. Real-time clock	Selected scene will b synchronize both way Controllers must be i allowed.
	Illumination on scene controllers. Selected scene will be transmitted to all Home controllers connected in the same local network. Enable /disable internet connection. Randomly created code used for registration of Home controller on HIQ Universe. Clock is automatically synchronised with your smartphone. Time zone is set in this menu or retrieved from	Illumination on scene controllers. Selected scene will be transmitted to all Home controllers connected in the same local network. Enable /disable internet connection. Randomly created code used for registration of Home controller on HIQ Universe. Clock is automatically synchronised with your smartphone. Time zone is set in this menu or retrieved from





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