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.

(Some antivirus programs or company firewalls do not allow the downloading of *.exe files. You can download file in .zip package or you can disable the antivirus program.)

Lights + Blinds

Manual control of lights, dimmers, blinds and scenes.

| Manual control | | | | | |
|--|---|--|--|--|--|
| On Off lights Click on icon to toggle. | | | | | |
| DimmableAdjust brightness with slider then click on icon tolightstoggle on/off. | | | | | |
| Blinds | Click on blind to set position. | | | | |
| Scenes | Click on scene icon to set affected lights and blinds to values stored in scene memory. | | | | |
| | Settings | | | | |
| On Off lights Long-press to set auto off time in seconds; set to 0 t disable auto-off. | | | | | |

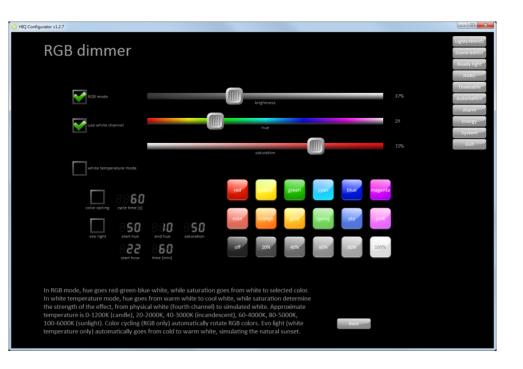


| Dimmable lights | Long-press on numbers by dimmer icons to set minimum and maximum output level. Check Slow option to gruadually enable intensity change for all dimmable lights. | | |
|---|---|--|--|
| Blinds | Long-press on upper / lower time to set rising / lowering time. | | |
| DIIIIUS | Long-press 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 af lights and blinds will be memorized. For sett 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.

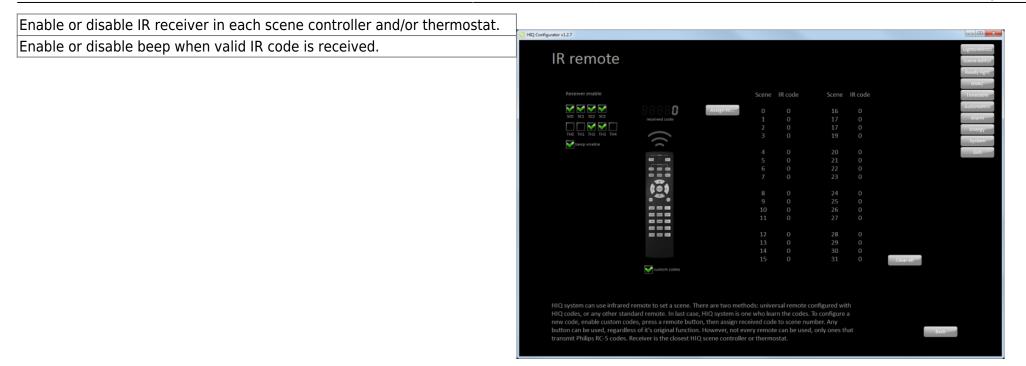
| Timer extend is used to extend the time when output is configured as timer. Typical usage is for a staircase light. | HQ Configurator v12.7 Input setup some | ts+blinds |
|--|--|------------------------|
| Direct mode turns output on when button is pressed, off when released. Typical usage is for a door bell. | Read I CO I CO | dy light IVAC |
| Scene button enables selected scene. Scene number is altered with a long press on scene number. | LCC I I I I I I I I I I I I I I I I I I | larm hergy /stem |
| Timer extend mode extends timer with every press. Typical use is motion (PIR) sensor. | Lecter Botton | Exit |
| Timer extend/night only - the same as above, works only al low light conditions. | E motion sensor her ready light | |
| Motions sensor for ready light. | door sensor (invesse) | |
| Inverse door (window) sensor – inverse function of "direct" (doorbell) button. | door sensor for ready light | |
| Inverse door sensor/night only – the same as above, works only al low light conditions. | Operation mode for light controller inputs. Light button toggle the corresponding output. Staircase button turn the light on, then with each subsequent press extend the time (output configured as timer). Doorbell button directly goes to output (press on, release off). Scene button activate the specified scene. Notion sensor is used for automatic lights, or as ready light sensor. Door sensor is | |
| Door sensor for ready light. | used for direct light control, or as ready light sensor. Spare inputs may be used in custom functions. | |
| Input only – used for custom programming in Home controller. | | |

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.



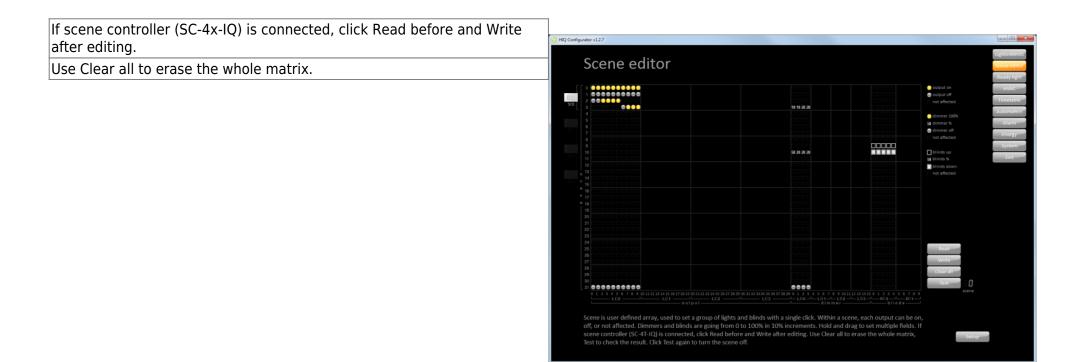
Scene editor

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.

Settings

Click on matrix to toggle between allowed options. Hold and drag to set multiple fields.

- http://wiki.hiq-universe.com/

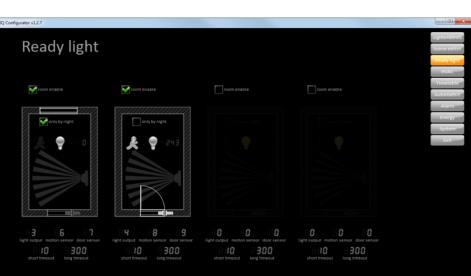


Ready light

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

| | ٦ |
|---|---|
| room enable Enables Ready Light functionality. | |
| Enables operation at low light conditions only. | |
| Set which light will be effected. | |
| Set motion sensor (PIR) input. | |
| Set magnetic (reed) door sensor input. | |
| 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. | |
| | Set which light will be effected. Set motion sensor (PIR) input. Set magnetic (reed) door sensor input. Set time from closing the door to the moment when lights will turn off. Set time from leaving the room to light off, without |



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 them is too short, light may turn off after entering the room. Long timeout is time from leaving the room to light off, if the origin 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. | |

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Lights+blinds Scene editor Ready light HVAC Timetable Automation Alarm Energy System Exit

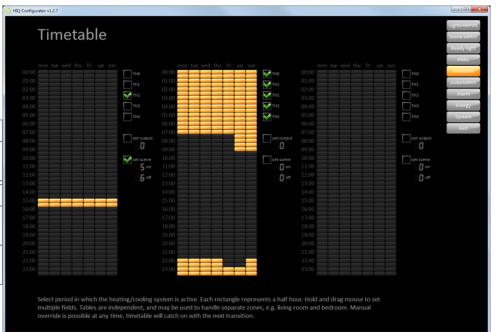
| outdoor temperature wall temperature water temperature auxiliary temperature | If installed enable and select which thermostats external temperature sensor is measuring selected temperature. | • HQ Configurater v1.27 HVAC setup | | | | _ | | | | | |
|---|--|---|--|--|---|---|--|------------------------------|---------------------------|--------------------------|------|
| temperature source | Select thermostat regulation temperature source: internal, external (connected to thermostat) or remote (connected to fan-coil controller). | | 8 10 delay [s] | | | | | wall temp | | 0,0°C 0,0°C | |
| display when off | Select what to display when thermostat is off. Available options are nothing, dashes or measured temperature. | | off | | | | | auxitary 5 | emperature D | , U,U*C | |
| available fan options | Select available fan options: F1 (low speed), F2 (medium speed), F3 (high speed) and MAX (max fan speed for predefined time). | temperature available source fan options to the external display | e options read ermostat back | | | | me temperaturi dds) offset [*C] 0 - 3.0 0 0.0 | | window switch | output den active en: | able |
| write options to thermostat | Write thermostat options to device. | discient when off 22.7 temperature | | | | | | | | | |
| read back | Read thermostat options from device. | Heating or cooling mode is config | urad by colocting by | aller er chiller | Domondo | able define | hormostate a | llowed to d | Graethy etar | | |
| setpoint idle | Idle setpoint, used when thermostat is off. Set to 0 for disabling heating/cooling when thermostat is off. | boller/chiller, oftens are active or write button. Options are: tempe thermostat is off (nothing, dashe back from thermostat to panel, c | ly when water is alr rature source (front s or measured temp | eady there. To sensor, exter erature), and | configure nal sensor available fa | thermostat (or remote fe in options (o | ptions, set the | e left pane oller), displ | l, then click lay when | | Bac |
| setpoint lo limit | Lower limit for user setpoint setting. | | | | | | | | | | |
| setpoint hi limit | Higher limit for user setpoint setting. | | | | | | | | | | |
| max time | Timeout for fan max functionality. | | | | | | | | | | |
| temperature offset | Offset for temperature measurements. | | | | | | | | | | |
| hysteresis | Hysteresis for thermostat temperature regulation. | | | | | | | | | | |
| window switch | Enable window switch. When enabled opened window will turn heating/cooling off. | | | | | | | | | | |
| window switch | Enable window switch. When enabled opened window will turn heating/cooling off. | | | | | | | | | | |
| output active | Indicates if the output is currently active | | | | | | | | | | |

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

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.

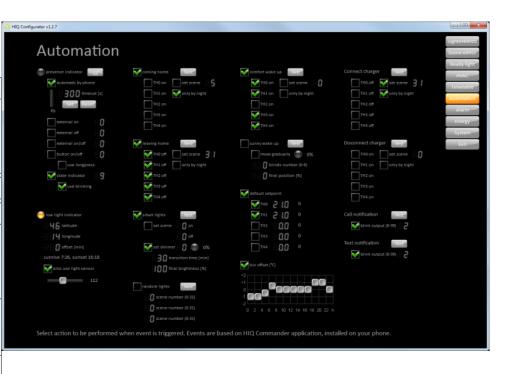
| | Settings | | | | |
|---|---|--|--|--|--|
| matrixClick to toggle active/idle state. Hold and drag mouse multiple fields. Each rectangle represents a half hour. | | | | | |
| TH0 TH4 Select which thermostat is affected. | | | | | |
| set output | Select and specify which output is activated on idle to active transition and deactivated at active to idle transition. | | | | |
| | 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 sunse 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. |
| only by night | If enabled, scene will be triggered at low light. |



| 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). | | | | |

| 13/18 |
|-------|
|-------|

| 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. | | | | | | |



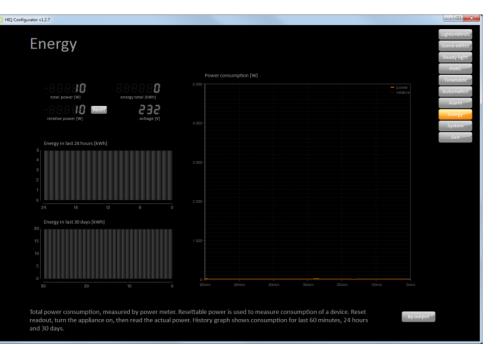
Alarm is based on 4 zones, each with up to 3 sensors. Sensor is configured as number of input where the sensor is connected (0..39). If instant is enabled, alarm is invoked immediately, skipping delay. Arming time is period from turning alarm on to the operative state. Delay time is period from sensor 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. 25) 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 | BD Configurator v1.2.7 | | | | | | | | | | | | |
|---------------|---|--|-----------------------|---------------------------|---------------------------|---------------------------------|--------------------------------------|---|--------------------------|------------------------------|--------------------------------|----------------------------------|-----------------------------------|---|
| Power count | How many times the output is turned on. | | | | | | | | | | | | | |
| Working hours | Total number of hours the output spent in on state | Ene | ergy | by | out | tput | | | | | | | | |
| Nominal power | Nominal power configured by user. | - | Power count [n] | Working M hours [h] | Nominal C power [W] | Current En power to [W] [| rgy Energy day total Wh] [kWh] | | Power We count [n] | orking Nor hours p [h] | minal Curr lower por [W] | ent Energ wer toda [W] [Wi | gy Energy ay total h] [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 | 1000 2000 0 | 479 1 551 2 620 3 886 4 | | | | | | | |
| Energy total | Total energy consumed by the specific output. | out 6 out 7 out 8 | | | 150 150 150 | 0 0 150 | 027 3 871 3 643 3 | | | | | | | |
| | Configuration | out 9 out 10 out 11 | | | | | 921 2 0 0 0 0 | | | | | | | |
| 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 | 5 4 4 5 10 5 | 19 0 52 0 58 0 | |
| Set nominal | Set nominal power. It can be measured by resettable power meter or read from the label. | out 15 out 16 out 17 out 17 out 19 | | | | | | dim 3 dim 4 dim 5 dim 6 dim 7 | | | | 0 4 0 0 0 | | Configuration |
| Reset counter | Power count, working hours and energy total can be reset. | out 21 out 22 out 22 out 23 out 24 out 24 | | | | | | | | | | | | Set nominal Reset counte/ Toggle output |
| Toggle output | Toggle selected output. | 2001.26 out 27 out 28 | | | | | | | | | | | | |

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 monitor | Setpoint for ON mode. | HRQ Configurator v1.2.7 | | | Lighter |
|------------------------|---|--|---|--|---------------------|
| Rx/Tx | CAN receive (Rx) and transmit (Tx) speed. | System | | | Scene |
| CAN error counters | Setpoint for ON mode. | LC-10-IQ (2010) e0000 e0000 e0000 e0000 e0000 e0000 e0000 contput 0.39 e00 e00 e00 contput 0.39 e00 e00 e00 contput 0.39 e00 e00 e00 | CAN traffic monitor Rx 12 mps Tx 10 mps CAN error counters | Autoefect c17324 v1.2.7 HiQ Controller serial number and firmware version. Command searches local network for HiQ controllers. | HV Time Autor |
| Rx/Tx | Errors on receive (Rx) and transmit (Tx) side. Counter can be reset with "Reset" button. | LD-X4-1Q dimmer 0.15 BC-5-1Q | Rx 0 Tx 127 Detect | Autoaddress Autoaddress Assign communication addresses. For | Ala Ene Syst |
| 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. | blinds 09 12.2 W DW SC-4X-1Q 165-01 | 20 22 - 22 - 10 - 16 - 16 - 16 - 16 - 16 - 16 - 16 - 16 | devices in switchboard, address is assigned in order. Other devices are addressed by serial number. The procedure takes a few minutes. Save Config Restore config Save system settings (scene, ready light, | |
| Reset counter: | Total number of Home controller resets (i.e. power downs). | FC-1-IQ 40000 40000 40000 40000 40000 4000 40 | NA Reset counter: 6 System uptime: 3 h Operating hours: 36 h UV C4 | hvac setup, timetable, automation, alarm) to file, or restore saved state. Device settings (output timer, input mode, blinds settings) not included. | |
| System uptime: | Time from last system reset. | other devices spM120 v0000 2310 | device ip address ping prog alc run c17324 192.168.1.136 • • • • • | transfer date scan time roundtrip 2016-11-18 12:28:56 9 ms 27 ms 2016-11-28 10:38:54 203 ms | |
| Operating hours: | Total operating hours. | | | | |
| | Configuration | | pply and short name used throughout the system. If do on, check controller run/stop switch, then press Autod | | |
| 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_hc-iq_detect | button. If all devices are missing, check 24V po is wrong, press Autoaddress button. | wer supply and bus wiring. If some devices are missin | g or order About Set | up — |
| Autoaddress | Used to get all modules in order. Has to be done on system commissioning or on system hardware change. manual_hiq_device_controllers_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. | | | | |

System setup

Settings

- http://wiki.hiq-universe.com/

| IJISHIAV HRIMHTHASS | Day/night Brightness of scene controllers and thermostats. | 10 HQ Configurator v12.7 | | |
|---------------------|---|--|--|--|
| backlight | Illumination on scene controllers. | System setup | | |
| Scene link | Selected scene will be transmitted to all Home controllers connected in the same local network. | Display brightness | Scene link | |
| Internet access | Enable /disable internet connection. | | scene 0 scene 1 scene 2 scene 3 scene 15 scene 17 scene 18 scene 18 | ena push ti |
| authentification | Randomly created code used for registration of Home controller on HIQ Universe. | by night | sceme 4 sceme 5 sceme 6 sceme 7 sceme 20 sceme 22 sceme 22 sceme 23 sceme 23 sceme 26 sceme 2 | roundb |
| Real-time clock | 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. Blacklight is a weak illumination, used to locate panel in defenses (24 only). Update button is used when new devices are connected. | stere 11 score 13 score 14 score 13 Score 28 score 29 score 29 score 29 score 29 score 29 score 29 score 21 score 21 score 29 score 20 score 21 sco | Enable Enable When o local ne to conf a new s |

Settings common for all connected devices. Scene link is used to synchronize a scene between two or more HIQ controllers. It can be used, for example, to turn all the lights off. Internet access is used with mobile application (HIQ Commander), and web server (HIQ Universe). Real-time clock is used for timetable and low

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light calculation.