

**Setting up the
doorcom cloud service
with a
Video Intercom system
(Intercom Baudisch)
and the
VASERControl App**

Letzte Änderungen

Ultimo cambios

28.04.2016

Last changes

NATURAL

Software Services SL

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Änderungsprotokoll/protocolo de enmienda/modification log

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Inhalt/Indice de contenido/Table of contents

PREREQUISITES	4
GOAL	4
NETWORK	4
CONFIGURATION DOORSTATION	6
CONFIGURATION OF NETWORK ADDRESS	6
CONFIGURATION CODECS	8
CONFIGURATION SIP	9
CONFIGURATION STUN SERVERS	10
CONFIGURATION OF THE PHONE BOOK	11
HARDWARECONFIGURATION	12
CONFIGURATION CAMERA	13
CONFIGURATION NETWORK ADDRESS	13
CONFIGURATION OF THE CAMERA SETTINGS	15
CONFIGURATION VASERCONTROL APP	16
INSTALLATION OF THE APP	16
APP SETTINGS	16

Prerequisites

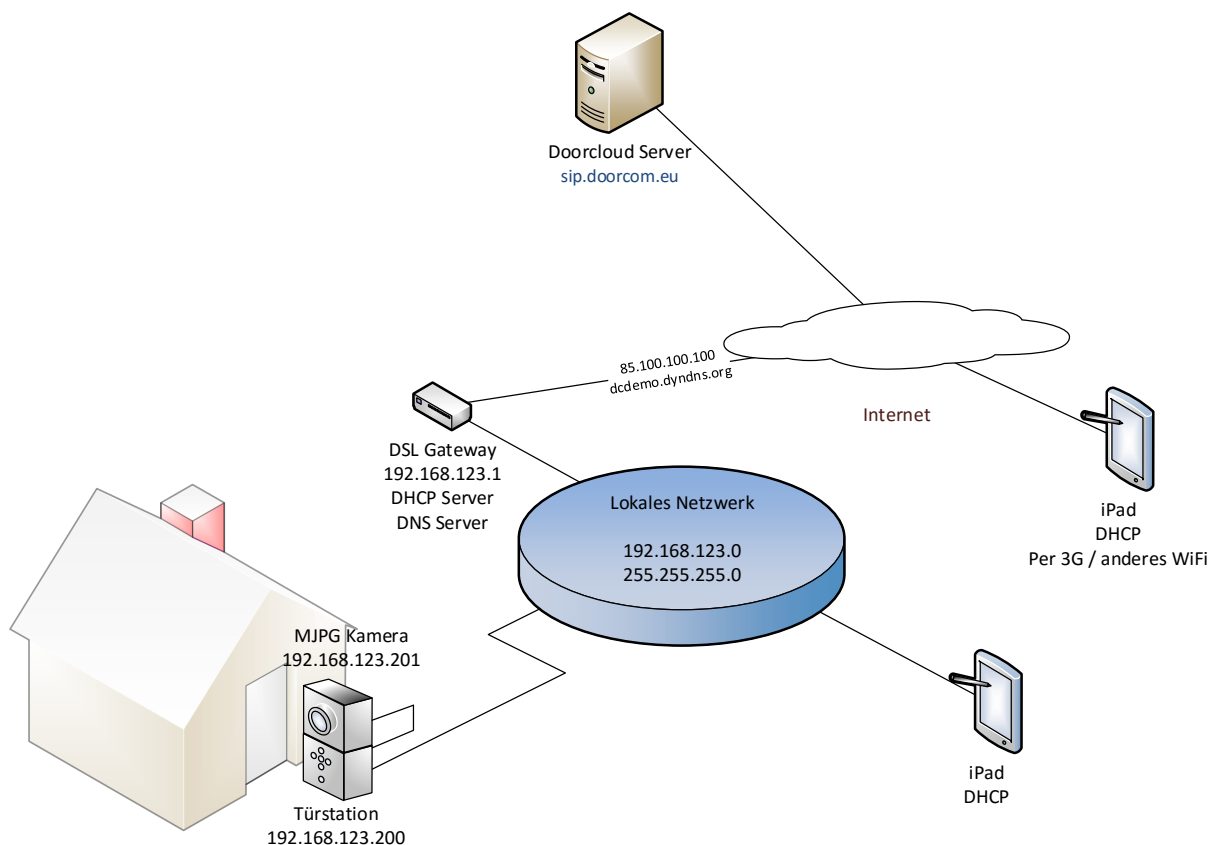
Goal

The following document describes the configuration of a Baudisch SIP video doorstation, the doorcom cloud service and the VASERControl App. In this example, an Apple iPad will be used as a front-end.

Network

Notice: The screenshots of the iPad will the notice “missing SIM” in the upper left corner. This message is being shown as the iPad being used in this example has the 3G option however the SIM card is not installed. All network access will be done by WiFi. This has no consequences regarding the configuration.

This example used the following network infrastructure



This example uses a local network in the subnet 192.168.123.0/24 (Netmask 255.255.255.0). A DSL gateway with the address 192.168.123.1 is available. This gateway has a public IP address of 85.100.100.100 and a dyndns address „dcdemo.dyndns.org“ is defined.

As next steps, these devices will be configured:

Video door station	IP Address: 192.168.123.200
Doorcamera	IP Address: 192.168.123.201
iPad	VASERControl App

The following doorcom.eu installation data will be used. These must be exchanged with the real values from your registration mail.

SIP Domain: 850143976
Doorstations: 8501439760
8501439761
8501439762
Mobile devices: 8501439763...9
Ring all group: 85014397699

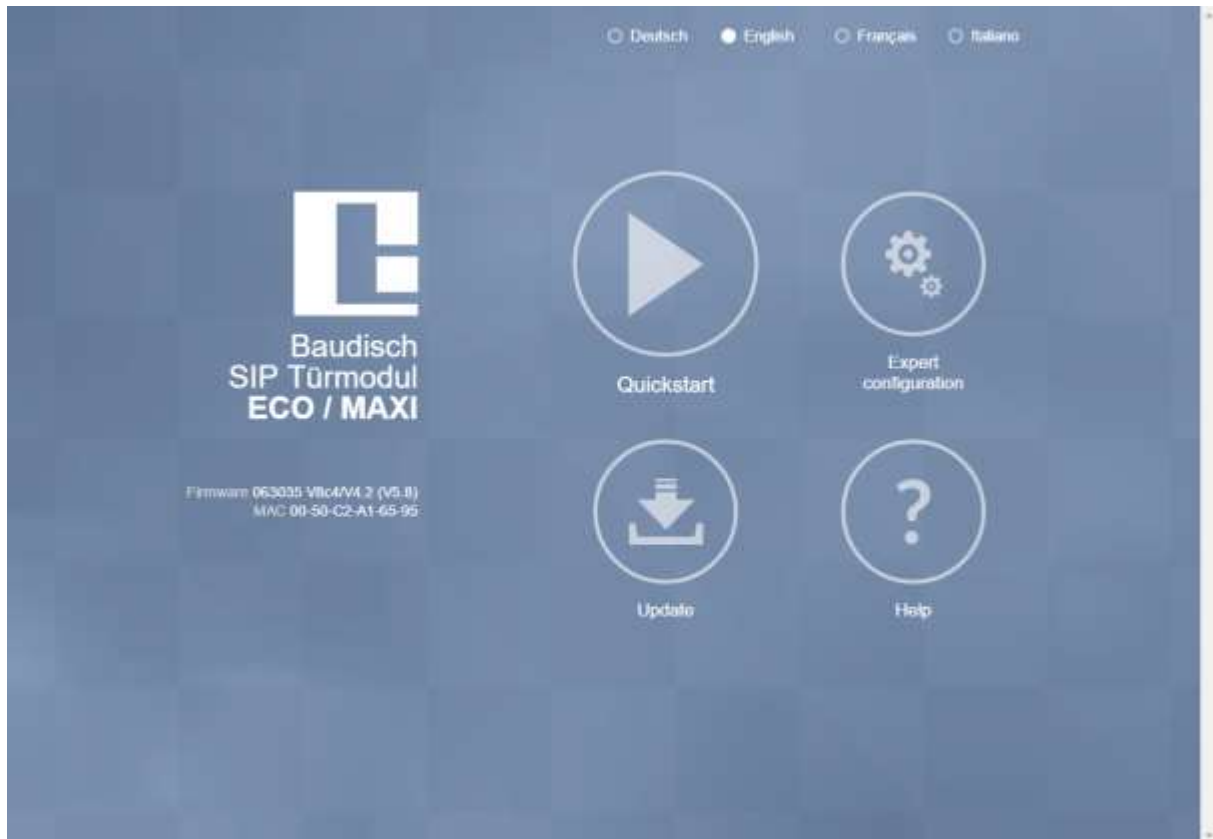
The password for all accounts is 8441739456

Configuration doorstation

It is assumed that the doorstation has one call button. Please consult the documentation of the doorstation if more than one button or call matrix is available.

Configuration of network address

In the first step, the network address will be configured. Open the page “Expert configuration” and enter the password (Default 1234)



The values for this example are

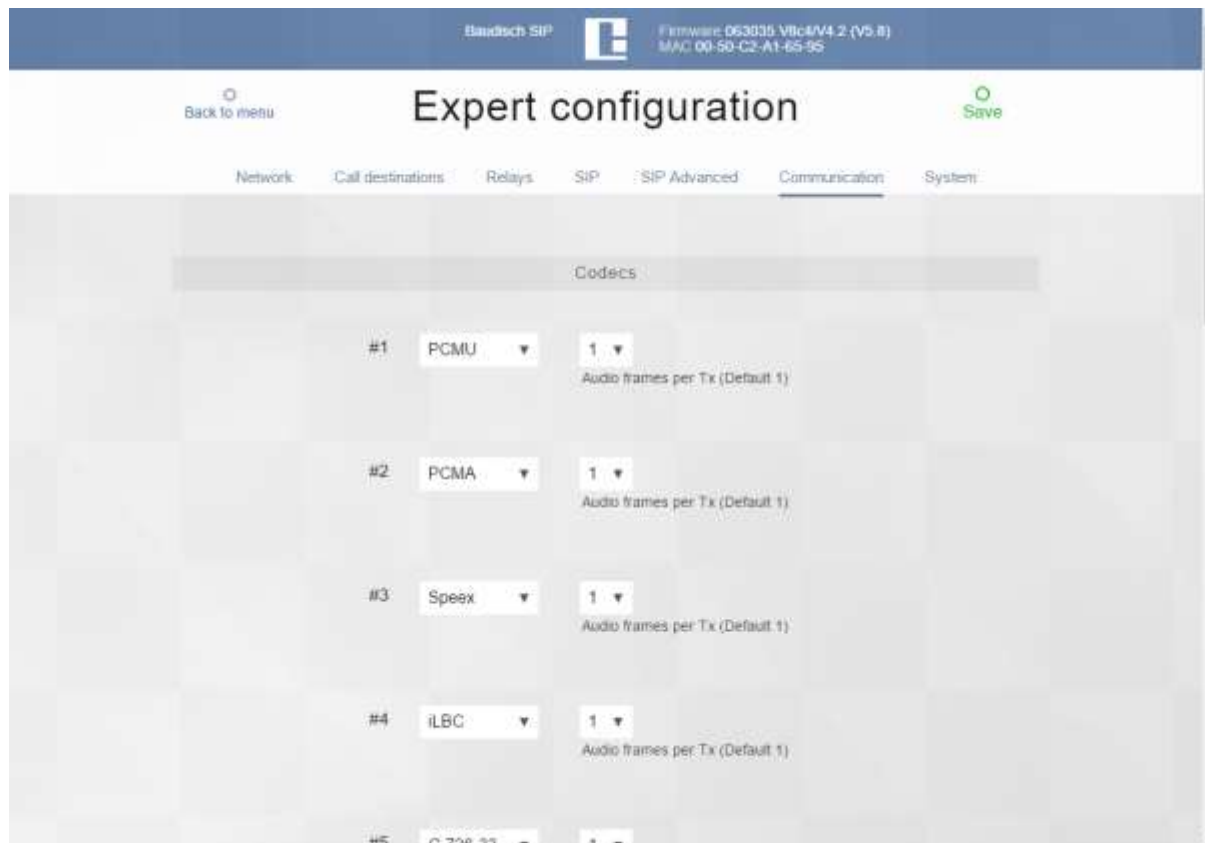


The IP address is 192.168.123.200 and 192.168.123.1 should be used as gateway address as well as DNS server. If you have a different network configuration (e.g. firewalls, domain servers, other DNS, etc.) please consult with your network documentation and/or network expert.

Setup VASERControl App

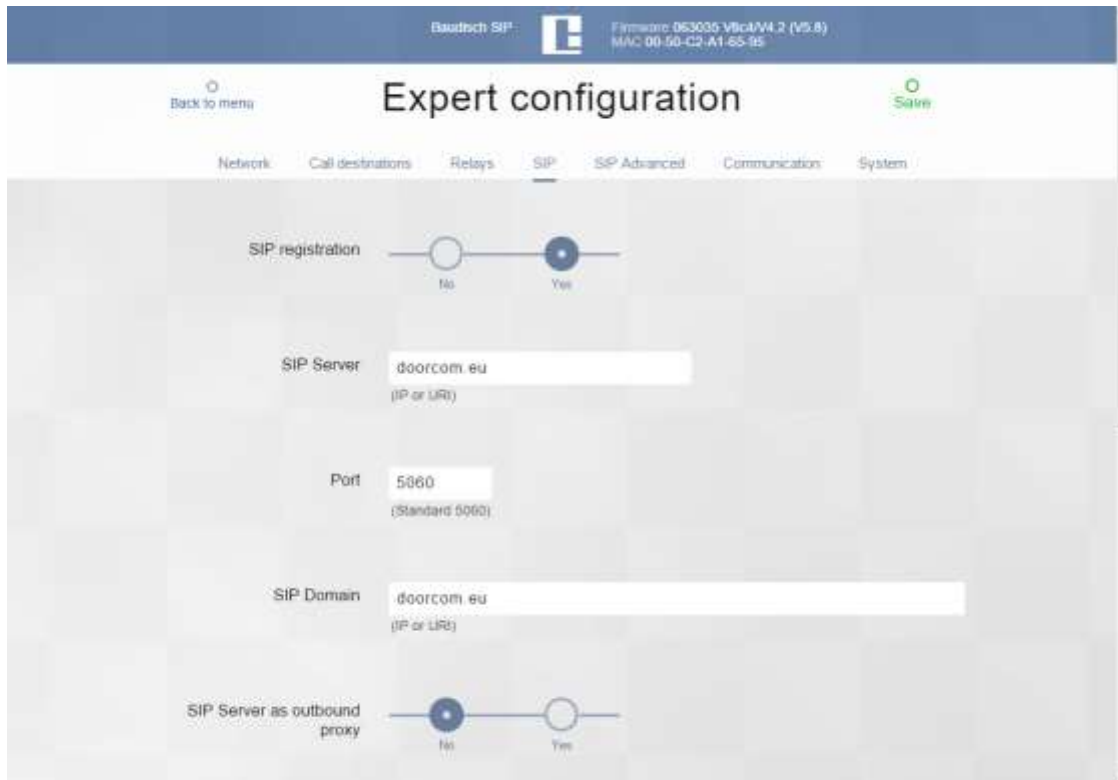
Configuration Codecs

Open the page „Communication“ and verify that PCMU and PCMA are the first two entries.



Configuration SIP

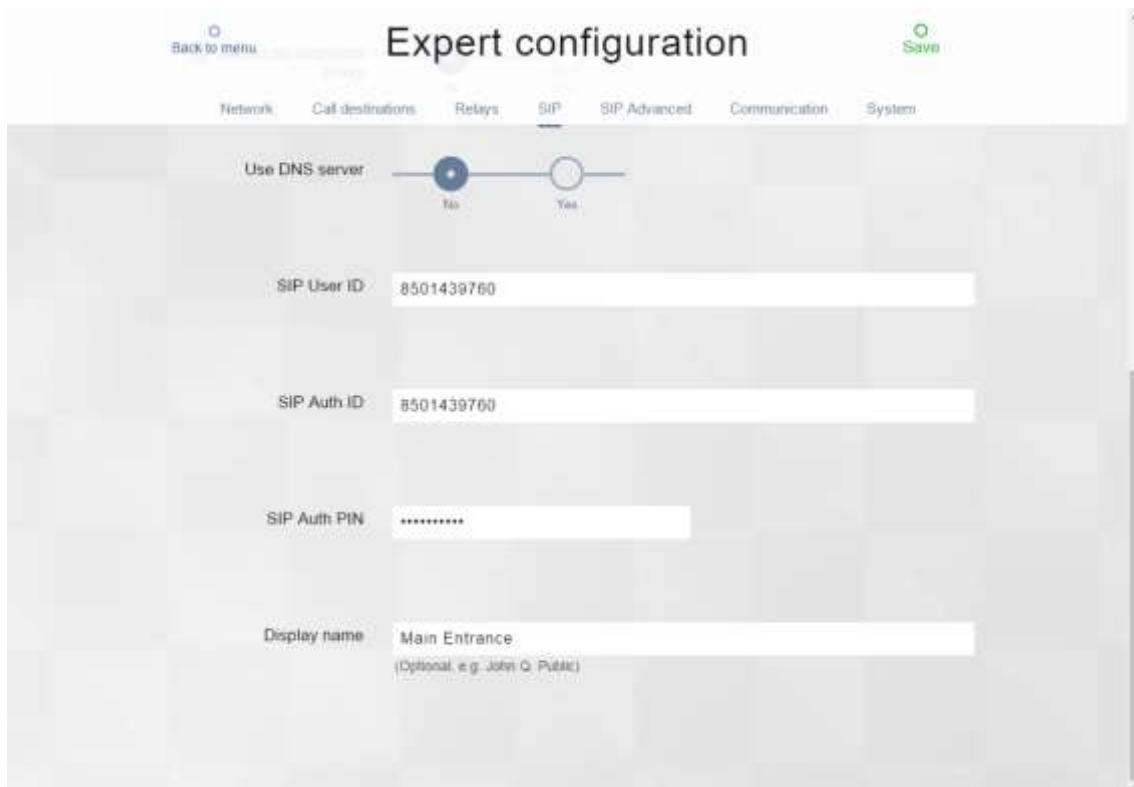
Open the page „SIP“ and enter the following values.



The screenshot shows the 'Expert configuration' page for SIP registration. The page has a blue header with 'Basitoch SIP' and 'Firmware 053035 Vbc4M.2 (V5.8) MAC 00-50-C2-A1-65-1E'. Below the header, there are tabs for 'Network', 'Call destinations', 'Relays', 'SIP', 'SIP Advanced', 'Communication', and 'System'. The 'SIP' tab is selected. The configuration options are:

- SIP registration:** A toggle switch set to 'Yes'.
- SIP Server:** A text input field containing 'doorcom.eu' (IP or URI).
- Port:** A text input field containing '5060' (Standard 5060).
- SIP Domain:** A text input field containing 'doorcom.eu' (IP or URI).
- SIP Server as outbound proxy:** A toggle switch set to 'No'.

You can either use „85.214.195.23“ or „doorcom.eu“ as the SIP Server address.



The screenshot shows the 'Expert configuration' page for SIP user details. The page has a blue header with 'Basitoch SIP' and 'Firmware 053035 Vbc4M.2 (V5.8) MAC 00-50-C2-A1-65-1E'. Below the header, there are tabs for 'Network', 'Call destinations', 'Relays', 'SIP', 'SIP Advanced', 'Communication', and 'System'. The 'SIP' tab is selected. The configuration options are:

- Use DNS server:** A toggle switch set to 'No'.
- SIP User ID:** A text input field containing '8501439760'.
- SIP Auth ID:** A text input field containing '8501439760'.
- SIP Auth PIN:** A text input field containing '*****'.
- Display name:** A text input field containing 'Main Entrance' (Optional, e.g. John Q. Public).

The SIP authorization pin is in this example „8441739456“.

Setup VASERControl App

Configuration STUN Servers

On the page „SIP advanced“, please enter the following values.

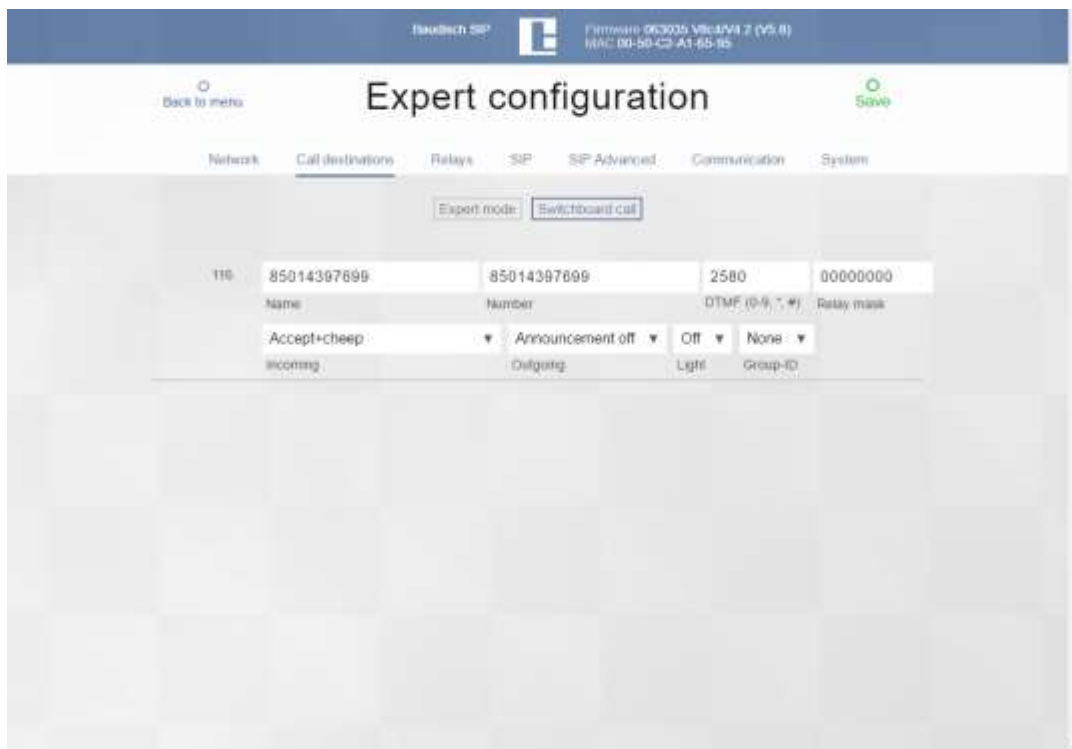


The screenshot shows the 'Expert configuration' interface for 'SIP Advanced'. The 'NAT Traversal' section has three radio buttons: 'Disabled', 'Use STUN server' (which is selected), and 'Use NAT IP'. Below this, the 'STUN Server (IP / URI)' field contains 'stun.l.google.com', and the 'STUN Server Port' field contains '19302'. The 'Local ports' section has 'SIP' set to '5060' and 'RTP' set to '6000'. The 'SIP registration' section has 'Timeout' set to '60' and 'Keep-alive interval' set to '20'. A 'Save' button is visible in the top right corner.

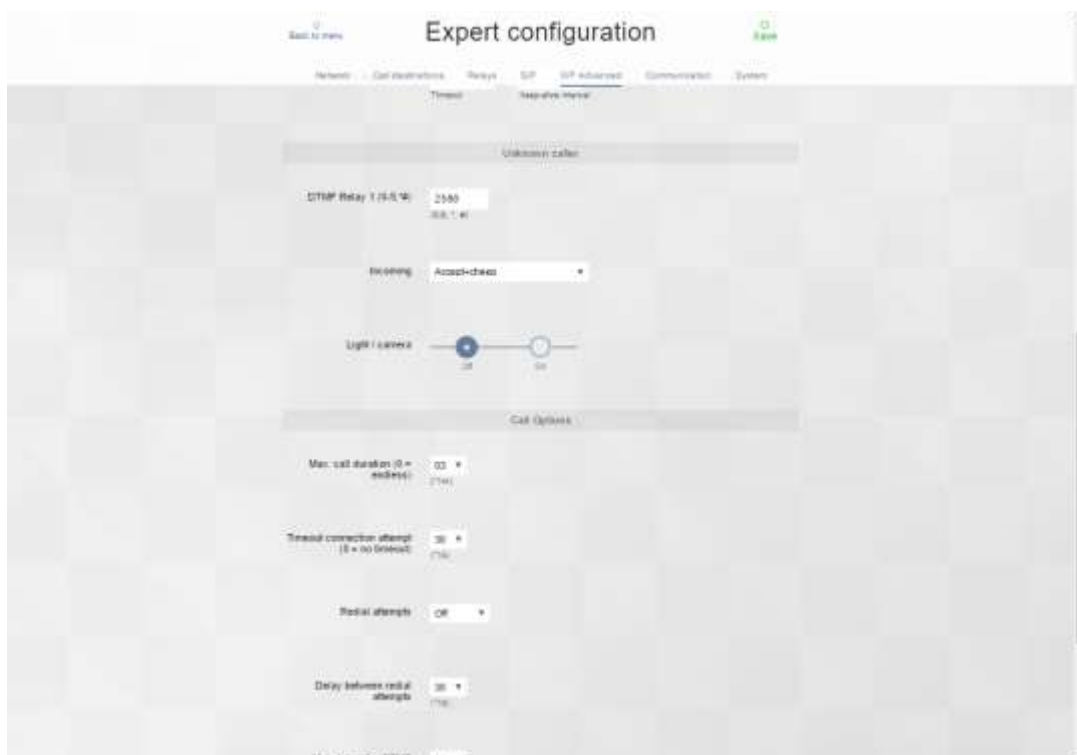
Now click on „Save“ and reboot the system.

Configuration of the phone book

After restart, connect to the Doorstation again and open “Call Destinations” and select the “Switchboard call”. Please enter the „Ring All“ number of your account



In order for the doorstation to be called from your App, the entry for the unknown caller has to be set up. Select the page “SIP Advanced” again and scroll to unknown caller.

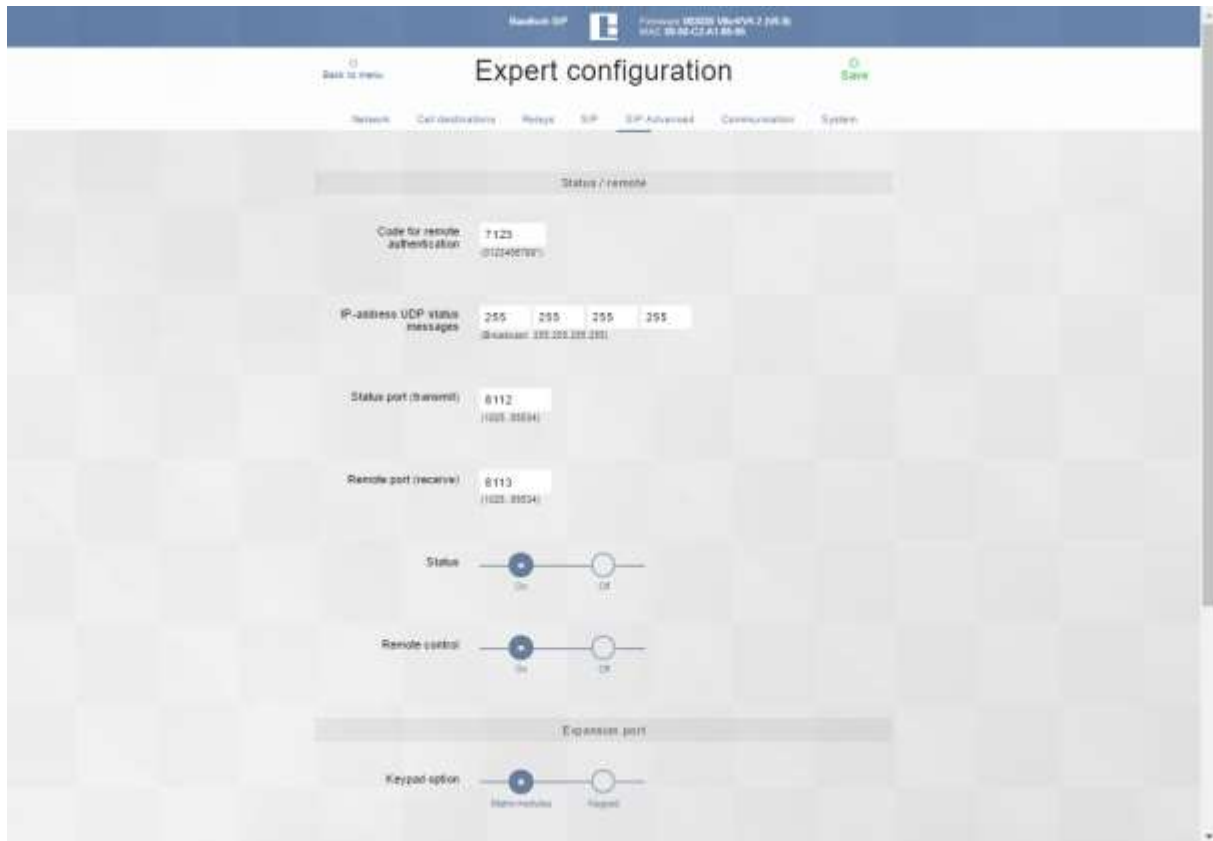


After the reboot, an audio signal should be given by the doorstation. The LED around the button should be a constant green.

Setup VASERControl App

Hardwareconfiguration

If you want to use the UDP telegram to open the doorstation, open the page „Status/remotecontrol“, enter the authentication code (in this example “7123”) and enable the status and remotecontrol functionality

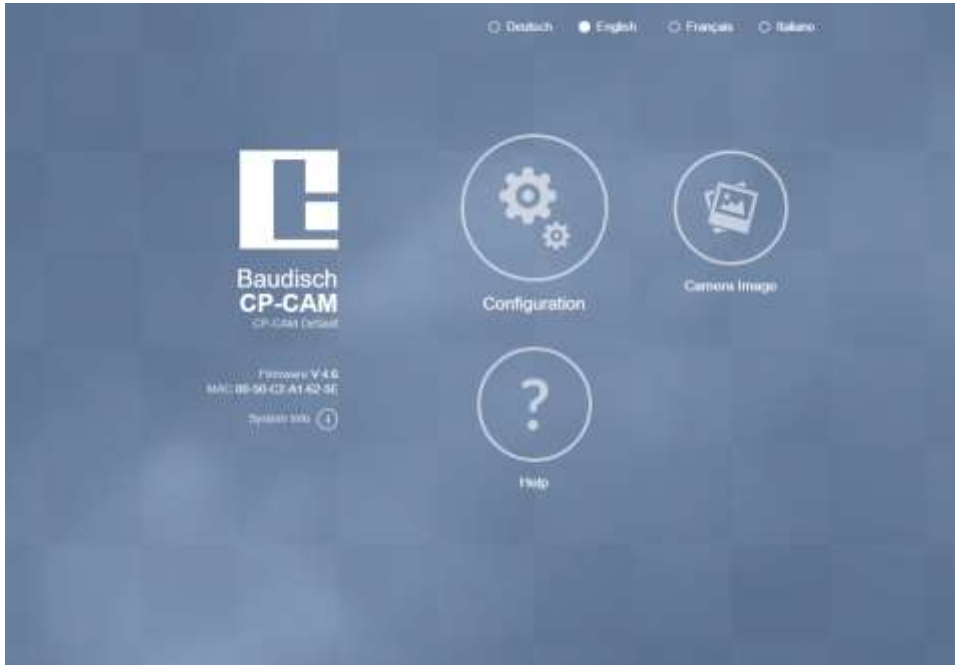


Using the remote control has the advantage that the dooropener can be signaled without an active call. It has the disadvantage that it only works in a local network.

Configuration camera

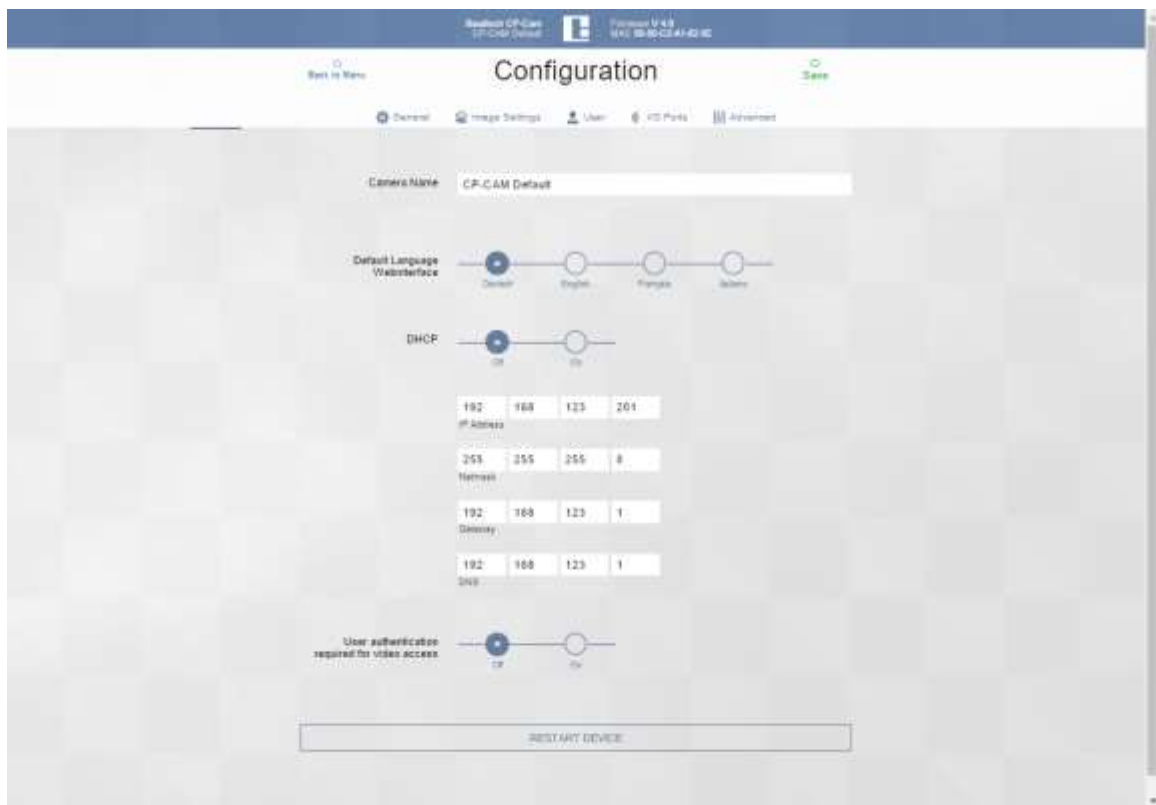
Configuration network address

The first step is to open the settings of the camera (Default userid: admin; default password is 1234)

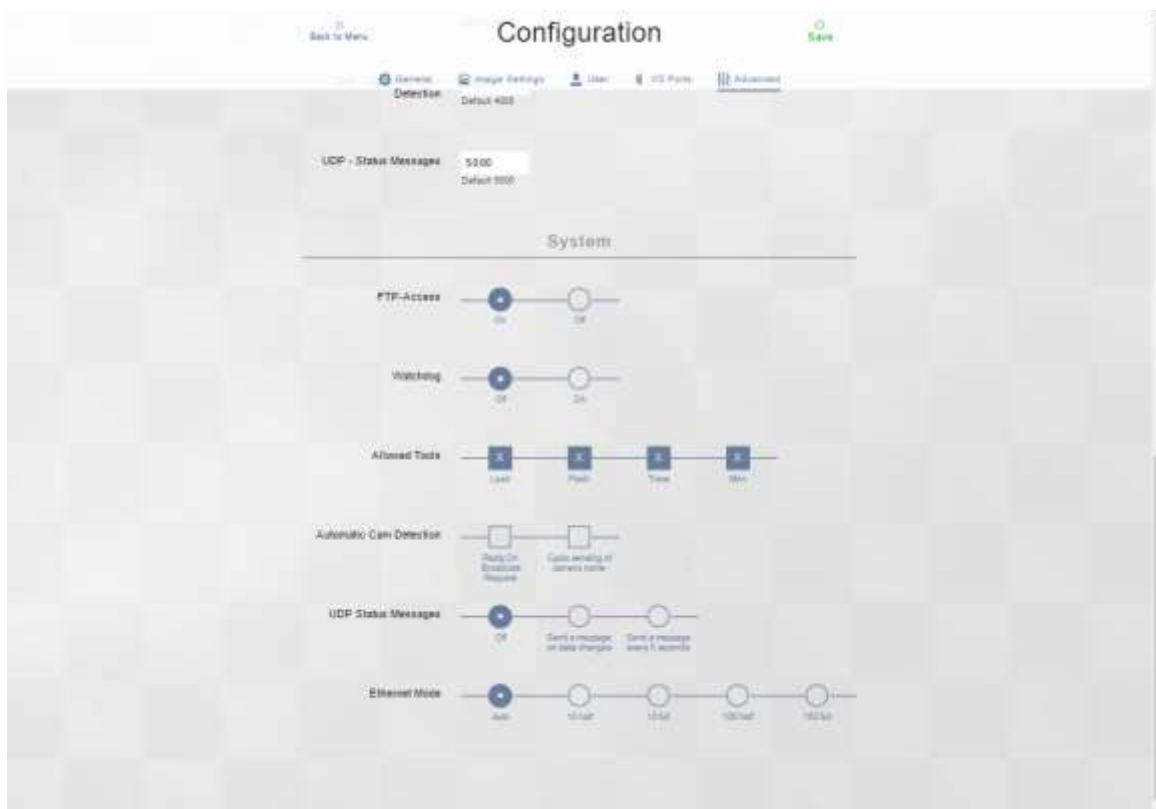


Setup VASERControl App

Select the page „General“



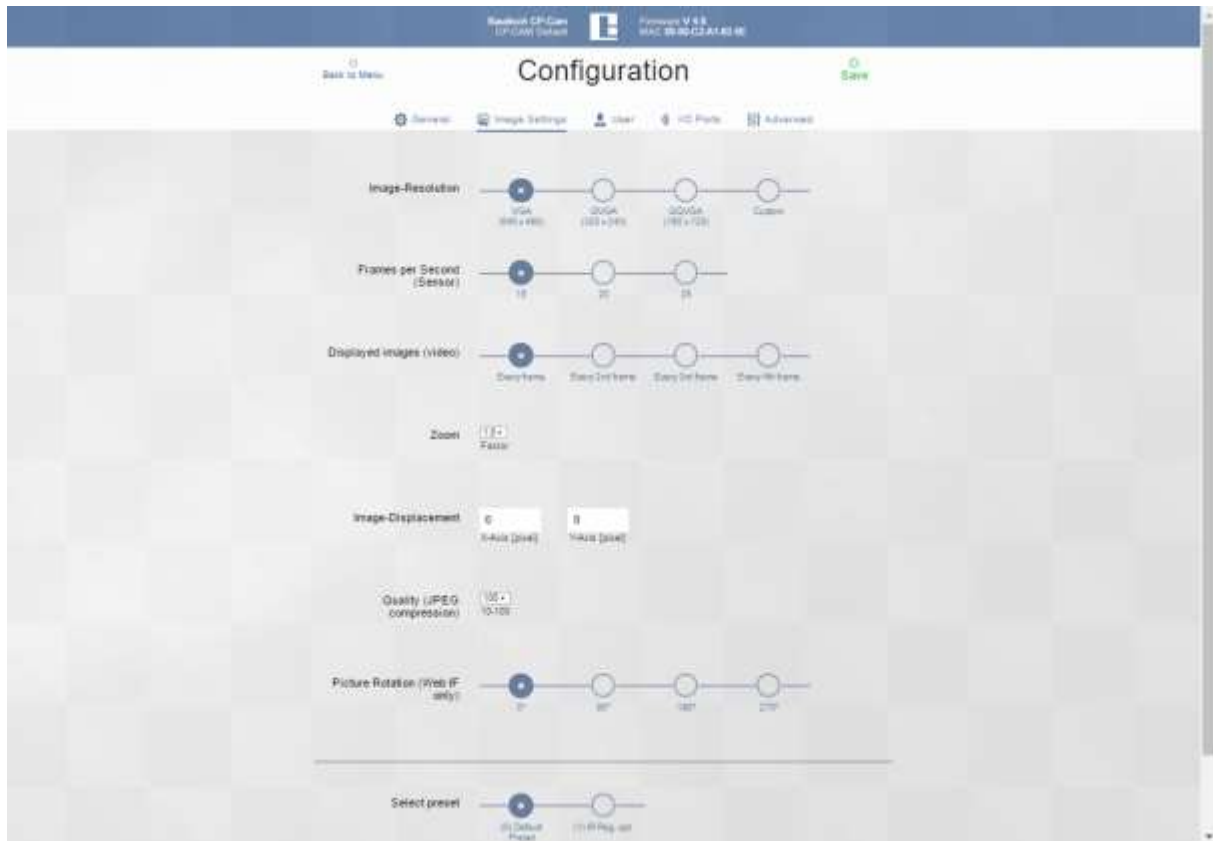
Select the page „Advanced“



If older network switches are being used, it might be necessary to adjust the network speed manually.

Configuration of the camera settings

The following camera settings should be used



If there are performance problems (especially via external access), there are a number of options to reduce the required bandwidth of the connection.

- Pictures per second
- Shown pictures (every 2. , etc.)
- JPEG compression – going to a value below 70 reduces the data volume dramatically however the quality will suffer.

Configuration VASERControl App

Installation of the App

First step should be the verification if the latest iOS version is being used. If not, please update.

Next step is to verify that the latest VASERControl App version is being used. Open the "AppStore" Application and check under "Updates" if a new version is available.

App Settings

Open the Settings of iOS and select the App „VASERControl“ in the left list. In the upper part of „Permissions“ all of the settings should be set. Open the subdialog "Messages" and allow messages being sent.

In the VASERControl Settings, open the subpage of „Entrance 1“.

Change the „Title“ to a new name e.g. „Main Entrances“. Turn on the "enabled" value.

The group „Entrance 1 Video“ should now be configured with the following values

Embed - On

Video URL to show – <http://192.168.123.201/mjpg/video.mjpg>

(If remote access is required, the video setting needs to the URL for access from the Internet. Assuming, that a port forwarding from the Internet modem of port 8088 to port 80 of the camera exists, the setting would be <http://dcdemo.dyndns.org:8088/mjpg/video.mjpg>)

Constant reload – Off

Entrance 1 Phone

Phone Number – 8501439760

Caller Id – 8501439760

Door Opener Type – UDP

Dooropener Address – 192.168.123.200:8113

Dooropener Code – BSREM0000011027123FA

Ringtone (Door) – Old style ring

Save to Camera Roll

Enabled – On

Still Image URL – <http://192.168.123.201/jpg/image.jpg>

PTZ

Enabled – Off

It is important to include the <http://> in the URLs for the video and the still image.

Now open the dialog for „Entrance 2“. This entrance should be disabled.

In the group „Quick Dials“, shortcuts to other parties in the house can be defined.

The group „SIP Server“ should set the following values

SIP Server – sip.doorcom.eu

SIP Server port – 5060

SIP Userid – 8501439763

SIP Password – 8441739456

SIP Registration – On

Registration Timeout – 801

Transport – UDP

TCP Keepalive – Aus

DTMF mode – RFC 2833 Outband

Hangup after door opener – Off

Register as Doorcloud client – On (On the next start of the App, the App will try an register as a client for remote notification. If successful, this option will change to “Off”)

Stun support

Enabled – Off (If problems with registration exist, a stun server might need to be configured, e.g stunservers.org)

Use RPort - An

Outbound proxy support

Enabled – Off

Networks

3G enabled – Off (Set to On, if access to the doorcom.eu server should be allowed over a 3G connection. However, this might result in costs in regards to the mobile contract)

VPN enabled – Off

Local Settings

Local port – 5060 (Change this setting if another VOIP application is being used in parallel)

Codecs

G711-A (PCMA) – On

G711-U (PCMU) – On

Speex – On

The rest should be off

Setup VASERControl App

Audio

Echo cancellation – On

Silence suppression – On

Ringtone (Incoming) – Old style Ring

Ringtone (Door) – Doorbell

Number of loops – 2 (which means that the ringtone will be repeated 2 times. A setting of “-1” results in an endless ringtone)

Idle timer disabled – On

After changing any setting, please restart the App (Double-click on the home button and swipe to the top).

If everything goes well, the status on the App should be “On hook” and the video should be shown.