



# CHAMELEON

Quick Guide

The Chameleon logo is a white silhouette of a chameleon, shown in profile facing left. Its tail is curled into a tight spiral.

2015-11-02



## CHAMELEON

### Single Hardware Headend

**THE CHAMELEON PRODUCT LINE COVERS ALMOST EVERY NEED FOR CABLE-TV AND SMATV DISTRIBUTION WITH ONLY ONE HARDWARE..**

The different inputs, processing and outputs are defined by software options, and all software options can be updated at any time.

The CHAMELEON includes a dual DVB-S/S2/T/T2/C receiver, furthermore it includes decoding of MPEG-2 and MPEG-4 video formats as well

as it supports MPEG, AAC HE and Dolby audio decoding. The Dolby audio decoding requires the latest HW version.

The SW options define the different "product realisations" you can implement with the unique HW. For your specific application, you simply buy the SW options you need. When you need further functionality, just purchase additional SW options, and update the installed HW.



#### CHAMELEON Product examples

- Receiver DVB-S/S2/T(T2)/C
- Transmodulators
- DVB-C, QAM J.83 Annex B/C modulators
- DVB-T modulators
- DTMB, ISDB-T modulator
- PAL, NTSC modulators
- FM modulator
- Edge QAM/COFDM
- Dual MPEG2/4 SD decoder
- Single MPEG2/4 HD decoder
- CI multi-decryptions
- Remultiplexer multiple TS
- DVB\_CSA Scrambler
- IP streamer
- ASI streamer
- SDI generator

Visit [wisi.de](http://wisi.de) for more info about our products.



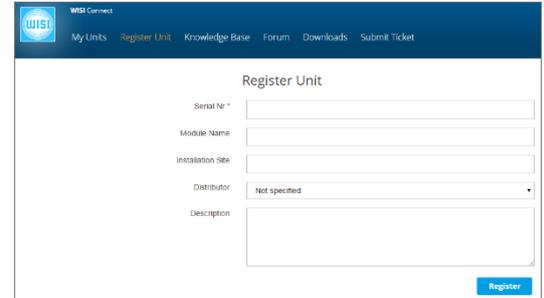
# 1 General information and SW options

## Getting started

When delivered, the Chameleon is “empty”, and to get started you have to register your Chameleon at the wisiconnect.tv portal. Once your Chameleon is registered, you can download the SW options from the portal, and upload them to your Chameleon. For a Chameleon where SW options have not been added after the original purchase, there is also a 30-days uptime installation period for all currently available functionality.

## Register units at the wisiconnect.tv portal

After login, and clicking the “Register Unit”-tab, enter the serial number of your Chameleon and select your distributor in the drop-down list. Optionally, also enter Module name, Installation site, and Description (these fields are intended for your own use, to be able to track and maintain your installed base). Information about SLA End date and SW options are entered automatically from the information stored in the Unit Data Base.



The screenshot shows the 'Register Unit' form on the wisiconnect.tv portal. The form includes the following fields: 'Serial Nr.' (text input), 'Module Name' (text input), 'Installation Site' (text input), 'Distributor' (dropdown menu with 'Not specified' selected), and 'Description' (text area). A blue 'Register' button is located at the bottom right of the form. The portal header includes 'WISI Connect' and navigation links for 'My Units', 'Register Unit', 'Knowledge Base', 'Forum', 'Downloads', and 'Submit Ticket'.

Click the Register button to register the Chameleon.

## Downloading SW options (entitlement file) to your computer

Go to the tab My Units, and click the serial number for the module to download the entitlement file that contains the software options. Click Download entitlement. Save the file to your computer.

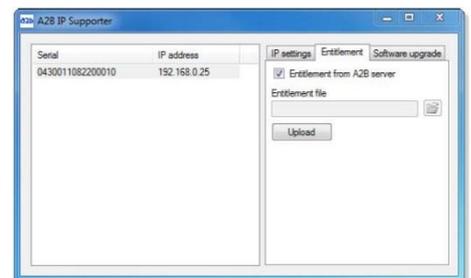
## Uploading SW options (entitlement file) to your Chameleon

### Via the Chameleon web UI (Further instructions below)

Under SETTINGS / SOFTWARE AND ENTITLEMENT UPGRADE, browse for the entitlement file you previously downloaded to your computer. Click Upload, and reboot the module when the upload is done.

### Using the IP Supporter

With the Chameleon connected to your computer, and your computer connected to Internet, you can upload the entitlement file directly. Select you Chameleon, and check the box for Entitlement from A2B server, and click Upload.



# 2 Connecting to the Chameleon web UI

## Connecting to the default IP address:

The Chameleon default IP address is 192.168.0.20. Set the IP address on your computer or for your network adaptor to an address in the same address range. Use a standard web browser to connect by typing the IP address of the Chameleon in the address field.

## Changing the IP address

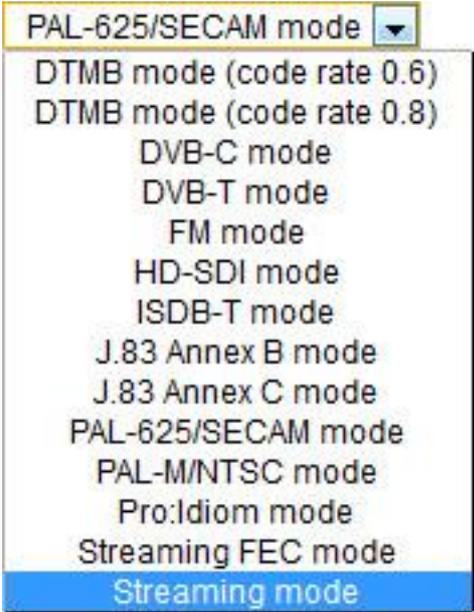
It is recommended to change to a unique IP address in your network. You can change the IP address under SETTINGS / NETWORKING, or by using the IP Supporter.



## 3 Select Operation mode

Go to OPERATION MODE under SETTINGS. Select operation mode with the radio buttons. Confirm by clicking the "yellow tick" . The operation mode will have an impact on e.g. the possible selection of output. Information about the available operation modes are given in the web UI.

 All operation modes requires corresponding SW option(s) to be present.

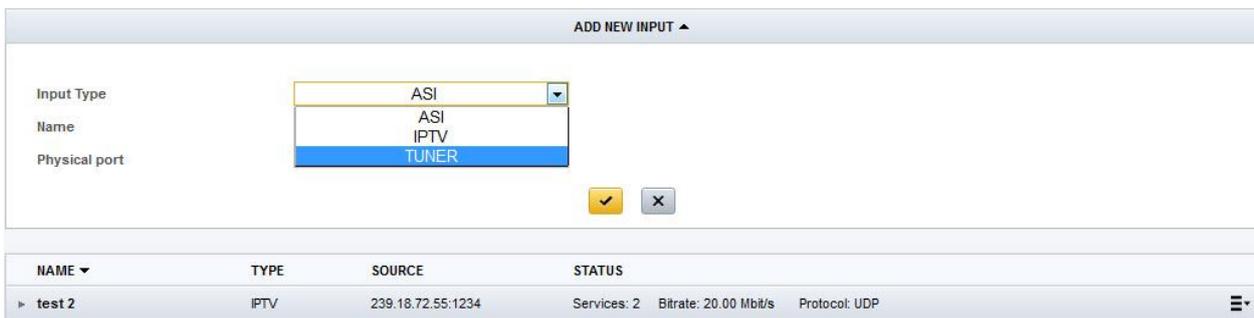


## 4 Defining/adding inputs

### Add input

1. Click the INPUTS tab, and Add new input.
2. Select input type in the drop down list.
  - a. For tuner inputs, select Configuration (tuner type)
3. Type or select the appropriate parameters and settings.
4. Confirm/save by clicking the "yellow tick" 

 The inputs you can select depend on the SW options you have enabled, and the HW.



## Status information

If your settings were OK, the status will show you basic information and no error indication.

 Add more inputs by repeating the "Add input" process.

NAME ▾	TYPE	SOURCE	STATUS
▶ Astra 11509V	DVB-S	RF 1: 11509 MHz	Services: 9 SNR: 14.0 dB BER: <1.0E-08 Level: 52 dBuV

## 5 Defining/adding outputs

### Add output

1. Click OUTPUTS, and Add new output.
2. Select output type in the drop down list.
3. Type or select the appropriate parameters and settings.
4. Confirm/save by clicking the "yellow tick" 

 The selectable outputs depend on the SW options and operation mode.

 Add more outputs by re-iterating the "Add output" process.

ADD NEW OUTPUT ▲

Output Type	<input type="text" value="ASI"/>	Change operation mode
Output enabled	<input type="checkbox"/> ON <input type="checkbox"/> OFF	
Name	<input type="text" value="My ASI out"/>	
Physical port	<input type="text" value="BNC 2"/>	
Bitrate (Mbit/s)	<input type="text" value="44"/>	
Byte mode	<input type="text" value="188 byte"/>	
<input type="checkbox"/> <input type="checkbox"/>		

## 6 Service management

### Select service from input and add to output

1. Click on the SERVICE MANAGEMENT tab to see available inputs and outputs.
2. Navigate to the Service level to list available services.
3. Click the edit arrow of a service and select the output to add it to.
4. Repeat step 3 to add more services.

Inputs Services			
INPUT ▾	TYPE	SOURCE	
▶ Astra 11509V	DVB-S	11509 MHz V	⌵
Services: 9, TSID: 1020, ONID: 1			
▶ PSI/SI			
▶ EMM			
▶ Other pids			
SERVICE ▾	SID	TYPE	STATUS
▶ Al Jazeera Channel	7009		⌵
▶ Al Jazeera English	7012		⌵
▶ Arirang TV	7011		⌵
▶ Cubavision Internacional	7008		⌵

Add to output >

ASI out

Tout 1

## 7 Service and support

For support information and help, please contact our support organisations.

### **WISI Communications**

[support@wisiconnect.tv](mailto:support@wisiconnect.tv)

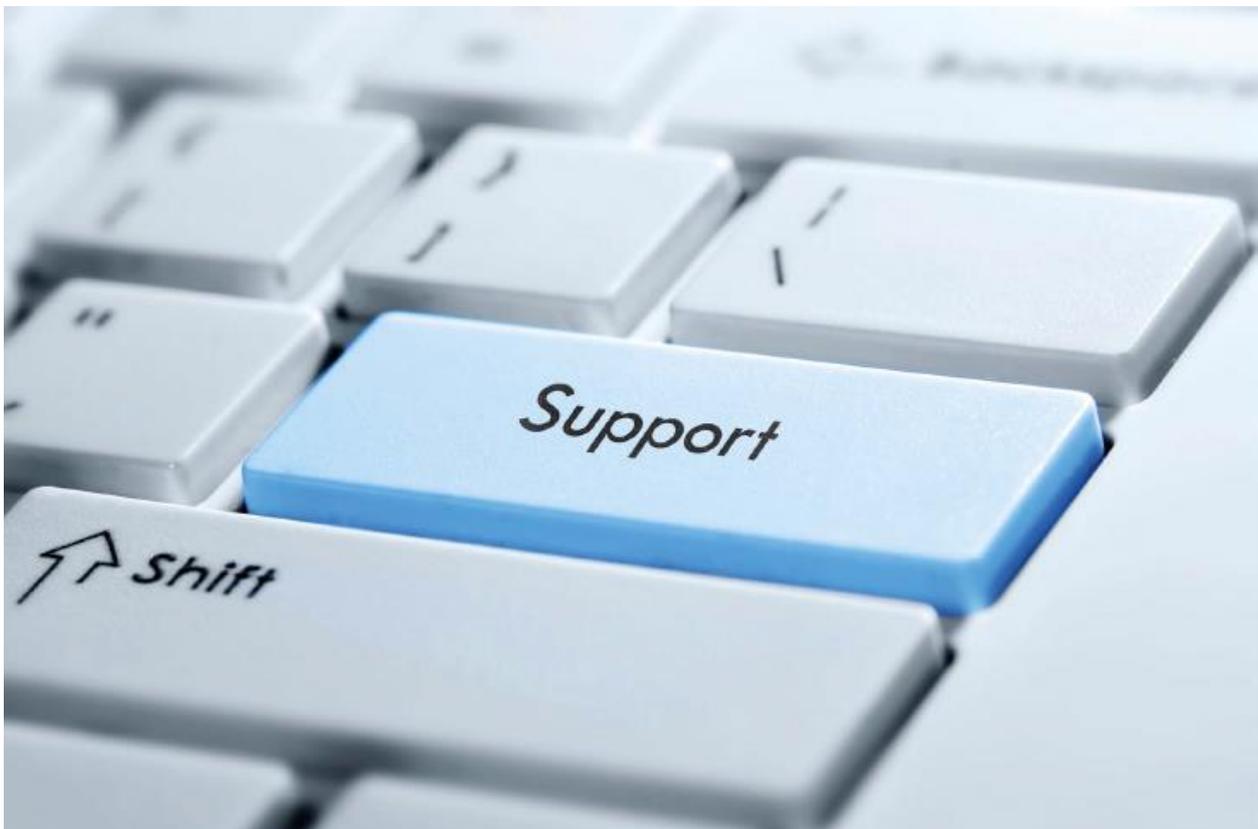
Telephone: +49 7233 66 621

### **WISI Norden AB**

[support@wisiconnect.tv](mailto:support@wisiconnect.tv)

Telephone: +46 (0)13 21 09 15

E-mails sent to the above e-mail address will be available to all support staff. The support telephone number +46 (0)13 21 09 15 will have staff answering both from Sweden and from Germany.



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