

# **Device Web UI**

## User guide

Gekkota G3/G4

|            |   |           |
|------------|---|-----------|
| <b>1</b>   | <b>Introduction</b>                               | <b>3</b>  |
| <b>2</b>   | <b>Version Gekkota</b>                            | <b>3</b>  |
| <b>3</b>   | <b>Pre-requisite</b>                              | <b>3</b>  |
| <b>4</b>   | <b>Device WebUI</b>                               | <b>3</b>  |
| <b>4.1</b> | <b>WebDAV directory</b>                           | <b>5</b>  |
| 4.1.1      | .playout/ (default)                               | 5         |
| 4.1.1.1    | Playout content (no content)                      | 5         |
| 4.1.1.2    | Playout content after Screen Composer publication | 5         |
| 4.1.2      | .status/  | 7         |
| 4.1.3      | .log/   | 7         |
| 4.1.4      | .admin/   | 8         |
| <b>4.2</b> | <b>Configuration screen</b>                       | <b>10</b> |
| 4.2.1      | Language  | 10        |
| 4.2.2      | Administrator                                     | 10        |
| 4.2.3      | LAN   | 11        |
| 4.2.4      | WLAN  | 13        |
| 4.2.5      | WWAN  | 14        |
| 4.2.6      | Output  | 15        |
| 4.2.6.1    | Specific to SMH300                                | 20        |
| 4.2.7      | Servers   | 21        |
| 4.2.7.1    | Configuration > Server                            | 22        |
| 4.2.7.2    | DNS server  | 24        |
| 4.2.7.3    | NTP Time server                                   | 24        |
| 4.2.7.4    | Proxy server                                      | 25        |
| 4.2.8      | License   | 27        |
| 4.2.9      | Date and time                                     | 28        |
| 4.2.10     | Regionality                                       | 29        |
| 4.2.11     | Variables   | 31        |
| 4.2.12     | Extension   | 32        |
| 4.2.13     | AV Command  | 34        |
| 4.2.13.1   | Supported monitor protocols                       | 34        |
| 4.2.13.2   | RS232 DTE   | 35        |
| 4.2.13.3   | LAN   | 36        |
| 4.2.13.4   | DDC/CI over HDMI (or any other video connector)   | 37        |
| 4.2.13.5   | Add a custom protocol                             | 37        |
| <b>4.3</b> | <b>Maintenance</b>                                | <b>38</b> |
| 4.3.1      | Test card   | 38        |
| 4.3.2      | Slate paring (only SMH300)                        | 40        |
| 4.3.3      | Middleware  | 46        |
| 4.3.4      | Logs  | 46        |
| 4.3.5      | Preferences                                       | 47        |
| 4.3.6      | Tools   | 48        |
| <b>4.4</b> | <b>Information</b>                                | <b>49</b> |
| 4.4.1      | General   | 49        |
| 4.4.2      | Network   | 49        |
| 4.4.3      | Screens   | 50        |

## 1 Introduction

The goal of this document is to help customer to use Gekkota Web UI in order to configure properly its device.

*Note: it is possible to configure a device by injecting a specific script (with USB stick or CMS) supporting most of API of WebUI and without connecting to the WebUI. For more information, please refer to [Gekkota application note configuration-by-script](#).*

## 2 Version Gekkota

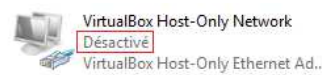
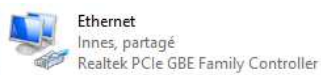
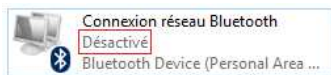
The description of the WebUI is matching with the software Gekkota V3.12.37.

## 3 Pre-requisite

The Plugin Flash need to be installed and active in your Web browser.

*Note for Gekkota RT : in order to avoid any unexpected random network trouble with Gekkota RT WebUI, it is recommended to inactivate all MS-Windows LAN interfaces except the Ethernet LAN interface. For example :*

- Inactivate Blue Tooth LAN interface (if any),
- Inactivate Virtualbox LAN interface (if any)
- And so on ...



## 4 Device WebUI

The device WebUI is available by typing its LAN IP address (V4) on a Web browser (Mozilla Firefox\*, Google Chrome).

*\*Since Mozilla Firefox 55, WebUI might be not clickable when opening and typing some characters in a Web page of another tab of this Web browser. To work around the issue,*

- *press F5 once again to refresh the WebUI or*
- *use another browser (Google Chrome or MS-Edge)*

The default login/password is admin/admin. When any activity has not been detected since 5 minutes, the user is disconnected.

*Note Wireless: If your device has a Wireless LAN interface and it is well configured, it is possible to enter its WLAN IP V4 address (Wireless LAN is mounted an optional hardware option on the device)*

*Note: it is possible to access also to the device with IP V6 address. Its format is by example <http://fc00::21c:e6ff:fe02:14e5/>. For more information, refer to [Gekkota application note Network configuration recovery](#)*

That permits to access to different directory of the device WebDAV server.

It is possible to list all WebDAV directories with the command below

[http://<device IP Addr>/?list\\_directory](http://<device IP Addr>/?list_directory)

## ↓ Index of /

| <u>Name</u>   | <u>Last modified</u>    | <u>Size</u> |
|---|-------------------------|-------------|
|  <a href="#">Directory of logs</a> | -                       | -           |
|  <a href="#">.admin/</a>           | -                       | -           |
|  <a href="#">.extension/</a>       | -                       | -           |
|  <a href="#">.log/</a>             | -                       | -           |
|  <a href="#">.playout/</a>         | -                       | -           |
|  <a href="#">.resources/</a>       | -                       | -           |
|  <a href="#">.software/</a>        | -                       | -           |
|  <a href="#">.status/</a>          | -                       | -           |
|  <a href="#">.upnp/</a>            | -                       | -           |
|  <a href="#">favicon.ico</a>       | Sep 8, 2017, 9:18:00 AM | 48.1 Kio    |



[Administration console](#)

## 4.1 WebDAV directory

### 4.1.1 .playout/ (default)

The WebDAV default directory is /.playout/

#### 4.1.1.1 *Playout content (no content)*

**↓ Index of /.playout/**

| <u>Name</u>   | <u>Last modified</u>    | <u>Size</u> |
|---|-------------------------|-------------|
|  <a href="#">Directory of logs</a> | -                       | -           |
|  <a href="#">Parent directory</a>  | -                       | -           |
|  <a href="#">manifest.xml</a>      | Sep 8, 2017, 3:35:33 PM | 631 o       |











[Administration console](#)

#### 4.1.1.2 *Playout content after Screen Composer publication*

- Gekkota 3 / Playzilla 3.10.10









**↓ Index of /.playout/**

| <u>Name</u>  | <u>Last modified</u>    | <u>Size</u> |
|--|-------------------------|-------------|
|  <a href="#">Directory of logs</a> | -                       | -           |
|  <a href="#">Parent directory</a> | -                       | -           |
|  <a href="#">.medias/</a>         | -                       | -           |
|  <a href="#">.models/</a>         | -                       | -           |
|  <a href="#">.scripts/</a>        | -                       | -           |
|  <a href="#">manifest.xml</a>     | Sep 8, 2017, 4:05:41 PM | 10.8 Kio    |
|  <a href="#">player.xpf</a>       | Sep 8, 2017, 4:05:43 PM | 6.2 Kio     |
|  <a href="#">variables.xml</a>    | Sep 8, 2017, 4:05:40 PM | 75 o        |



- Gekkota 4 / Playzilla 4.10.10


**↓ Index of /.playout/**

| <u>Name</u>   | <u>Last modified</u>    | <u>Size</u> |
|---|-------------------------|-------------|
|  <a href="#">Directory of logs</a> | -                       | -           |
|  <a href="#">Parent directory</a>  | -                       | -           |
|  <a href="#">.medias/</a>          | -                       | -           |
|  <a href="#">.scripts/</a>         | -                       | -           |
|  <a href="#">.styles/</a>          | -                       | -           |
|  <a href="#">manifest.xml</a>      | Sep 8, 2017, 3:39:49 PM | 8.7 Kio     |
|  <a href="#">player.html</a>       | Sep 8, 2017, 3:39:49 PM | 22.6 Kio    |
|  <a href="#">variables.xml</a>     | Sep 8, 2017, 3:36:47 PM | 495 o       |



The WebDAV directory `/.Playout/` is containing

| WebDAV directory (or file)    | Description   |
|-------------------------------|---|
| <a href="#">.medias/</a>      | Directory containing the required medias to play the playlist in any conditions |
| <a href="#">.scripts/</a>     | Directory containing the scripts to execute                                     |
| <a href="#">manifest.xml</a>  | File containing the list of required medias                                     |
| <a href="#">device.xpf</a>    | File containing the medias and tasks to be played following a calendar          |
| <a href="#">variables.xml</a> | File containing the required variables used for this playlist                   |

| Others  |   |
|---|---|
|  | Permit to download the entire playlist from the Gekkota device to your computer as “.tar.gz” archive                        |
| <a href="#">Directory of logs</a>   | Short cut to .log directory   |
| <a href="#">Parent directory</a>  | Short cut to Web DAV parent directory   |
| <a href="#">Administration console</a>  | Short cut to device configuration Web page<br>Clicking on this link permits to go to <code>/.admin/</code> WebDAV directory |

*Note: in PlugCast G3 configuration, the filename pattern for device.xpf (Gekkota3) or device.html (for Gekkota4) and variables.xml is to add identification method (MAC, Hostname, or UUID) as suffix in the file name. For example, in case your device identification method is MAC and the device MAC address is 00-1C-E6-55-99-99, the playlist file system should be:*

| WebDAV directory (or file)                      | Description   |
|---|---|
| <a href="#">.medias/</a>                        | Directory containing the required medias to play the playlist in any conditions |
| <a href="#">.scripts/</a>                       | Directory containing the scripts to execute                                     |
| <a href="#">manifest.xml</a>                    | File containing the list of required medias                                     |
| <a href="#">device.00-1C-E6-55-99-99.xpf</a>    | File containing the medias and tasks to be played following a calendar          |
| <a href="#">variables.00-1C-E6-55-99-99.xml</a> | File containing the required variables used for this playlist                   |

*Note2 : Some .etag file or .transaction file may appear temporarily after having updated the playlist or when the playlist is being downloaded.*

### 4.1.2 .status/

Permits to access to the device status [status.xml](#) file containing several important device status.

These status can be read afterwards by PlugnCast G3 (or be monitored by a dedicated software like Nagios).

For more information, refer to [Gekkota application note XML status](#).

**↓ Index of /.status/**

| <u>Name</u>                       | <u>Last modified</u>    | <u>Size</u> |
|-----------------------------------|-------------------------|-------------|
| <a href="#">Directory of logs</a> | -                       | -           |
| <a href="#">Parent directory</a>  | -                       | -           |
| <a href="#">status.xml</a>        | Sep 8, 2017, 4:10:31 PM | 3.4 Kio     |

[Administration console](#)

### 4.1.3 .log/

Permits to display the device log page

- Gekkota RT:

**↓ Index of /.log/**

| <u>Name</u>                             | <u>Last modified</u>     | <u>Size</u> |
|---|--------------------------|-------------|
| <a href="#">Parent directory</a>        | -                        | -           |
| <a href="#">.configuration/</a>         | -                        | -           |
| <a href="#">delivery-software.log</a>   | Sep 8, 2017, 11:24:52 AM | 11.4 Kio    |
| <a href="#">gekkota-container.log</a>   | Sep 8, 2017, 11:26:13 AM | 0 o         |
| <a href="#">gekkota-nouac.log</a>       | Jun 16, 2017, 2:01:46 PM | 0 o         |
| <a href="#">gekkota.log</a>             | Sep 8, 2017, 11:26:05 AM | 0 o         |
| <a href="#">playzilla-container.log</a> | Mar 6, 2015, 9:40:32 AM  | 0 o         |
| <a href="#">playzilla.log</a>           | Mar 6, 2015, 9:40:06 AM  | 0 o         |

[Administration console](#)


- Gekkota eLinux

**↓ Index of /.log/**

| <u>Name</u>                                 | <u>Last modified</u>    | <u>Size</u> |
|---|-------------------------|-------------|
| <a href="#">Parent directory</a>            | -                       | -           |
| <a href="#">.configuration/</a>             | -                       | -           |
| <a href="#">delivery-software_patch.log</a> | Sep 7, 2017, 9:19:47 AM | 8.7 Kio     |
| <a href="#">delivery-software.log</a>       | Sep 8, 2017, 9:33:24 AM | 34 Kio      |
| <a href="#">gekkota-container.log</a>       | Sep 8, 2017, 3:13:54 PM | 0 o         |
| <a href="#">gekkota.log</a>                 | Sep 8, 2017, 1:58:47 PM | 0 o         |

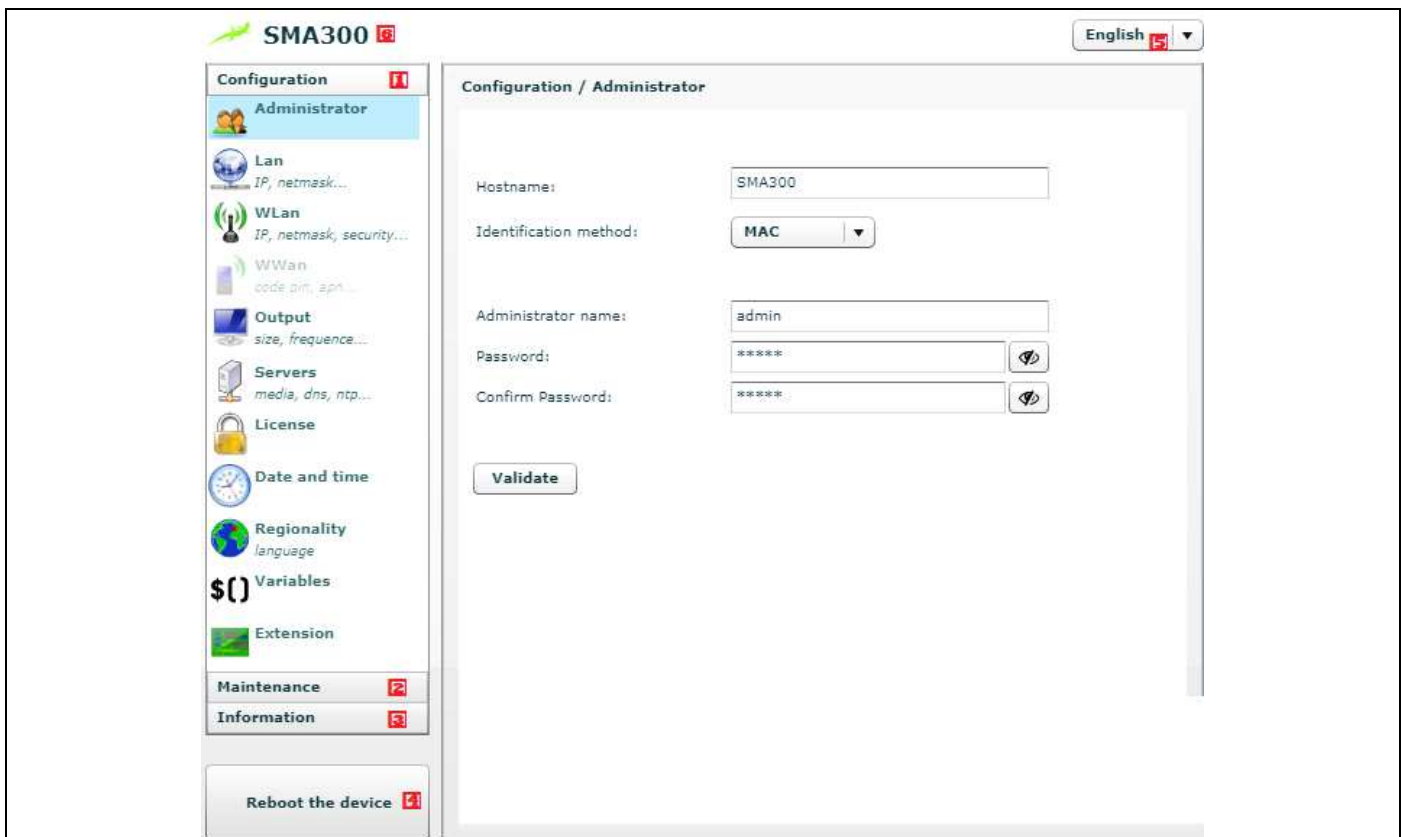
[Administration console](#)

| WebDAV directory (or file) | Description |
|----------------------------|-------------|
|----------------------------|-------------|

|   |  |
|---|--|
| <a href="#">.configuration/</a>             | Directory containing the <a href="#">log4xpcom.xml</a> , configuration file to activate DEBUG/ERROR log (some of them could be activated by the support if required)<br> |
| <a href="#">delivery-software_patch.log</a> | File containing the status of patch installation operation   |
| <a href="#">delivery-software.log</a>       | File containing the status of software upgrading operation   |
| <a href="#">gekkota.log</a>                 | File containing the DEBUG/ERROR log of Gekkota (when activated)  |

#### 4.1.4 .admin/






Permits to display the device configuration Web page (default selected menu: **Configuration**)




A greyed menu is meaning that the feature is not supported by the device which is used (in the example above, the menu WWAN is not available because the WLAN option is not embedded on the device).



The page is displaying

- **Configuration** 
- **Maintenance** 
- **Information** 
- **Reboot the device** : button permitting to request a device reboot when modification have been saved (the modifications are really taken into account by the device)
- **Language**: button to change language of the WebUI 
  - **Français**
  - **English**
  - **Español**
  - **Deutsch (RFU => fail over => English)**

After a Web browser refresh (press F5), the default language selected is: Français
- **Device type** 
  - DMB400
  - DMB300
  - DMC200
  - SMA300
  - SMT210
  - SMP200
  - SMA200
  - EEEBOX
  - LCAN
  - MS-Windows

## 4.2 Configuration screen

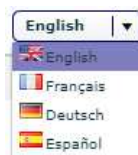
- So that a modification is taken into account, the Web page need to be validated (button **Validate**) before rebooting the device.
- An asterisk character appears as soon as a modification is done



### 4.2.1 Language

To easy the device configuration, the interface is translated in these 3 languages below :

- **Français**
- **English**
- **Espagnol**
- **Deutsch**



### 4.2.2 Administrator

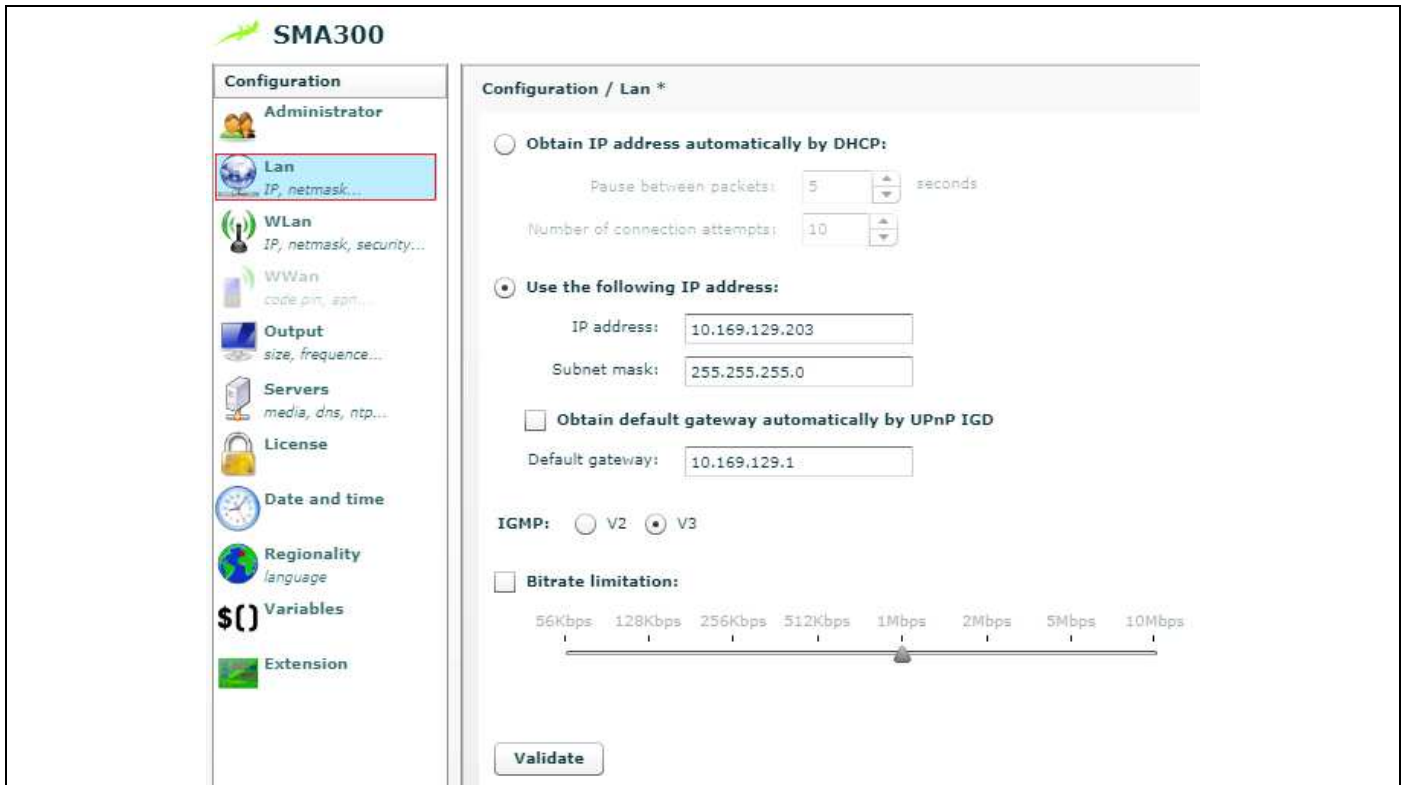
This interface permits to set:

- **Hostname**
- **Identification method:**
  - **MAC**
  - **UUID**
  - **Hostname**
- **Administrator name:** mandatory login\* (characters inside the table ASCII 7 bits) used to connect to the device WebUI or in Screen Composer G3 to connect to WebDAV server to update its playlist.
- **Password:** mandatory password\* (characters inside the table ASCII 7 bits) used to connect to the device WebUI or in Screen Composer G3 to connect to WebDAV server to update its playlist
- **Confirm password:** password confirmation when it is changed

*Default login/password for WebUI is admin/admin*

### 4.2.3 LAN

All the device INNES have a LAN network interface:



This interface permits to configure the LAN network interface (Ethernet connector):

- DHCP (**Obtain IP address automatically by DHCP**)
- Static IP (**Use the following IP address**). In this case the following parameters need to be filled
  - IP address
  - Subnet mask
  - Default gateway
    - The option **Obtain default gateway automatically by UPnP IGD** can be activated if your network is supporting UPnP IGD
- **IGMP \***
  - **V2**
  - **V3**

*\*IGMP (Internet Group Management Protocol): is a protocol which is permitting for IP routers to find out dynamically the multicast groups having clients in a sub-network.*

- **Bitrate limitation:** permits to limit the network bandwidth used by your device (useful when managing several devices to not overload the network)

**Attention:** when bandwidth is reduced in the lower rate (56 kbps, 128 kbps), may imply some very long time to

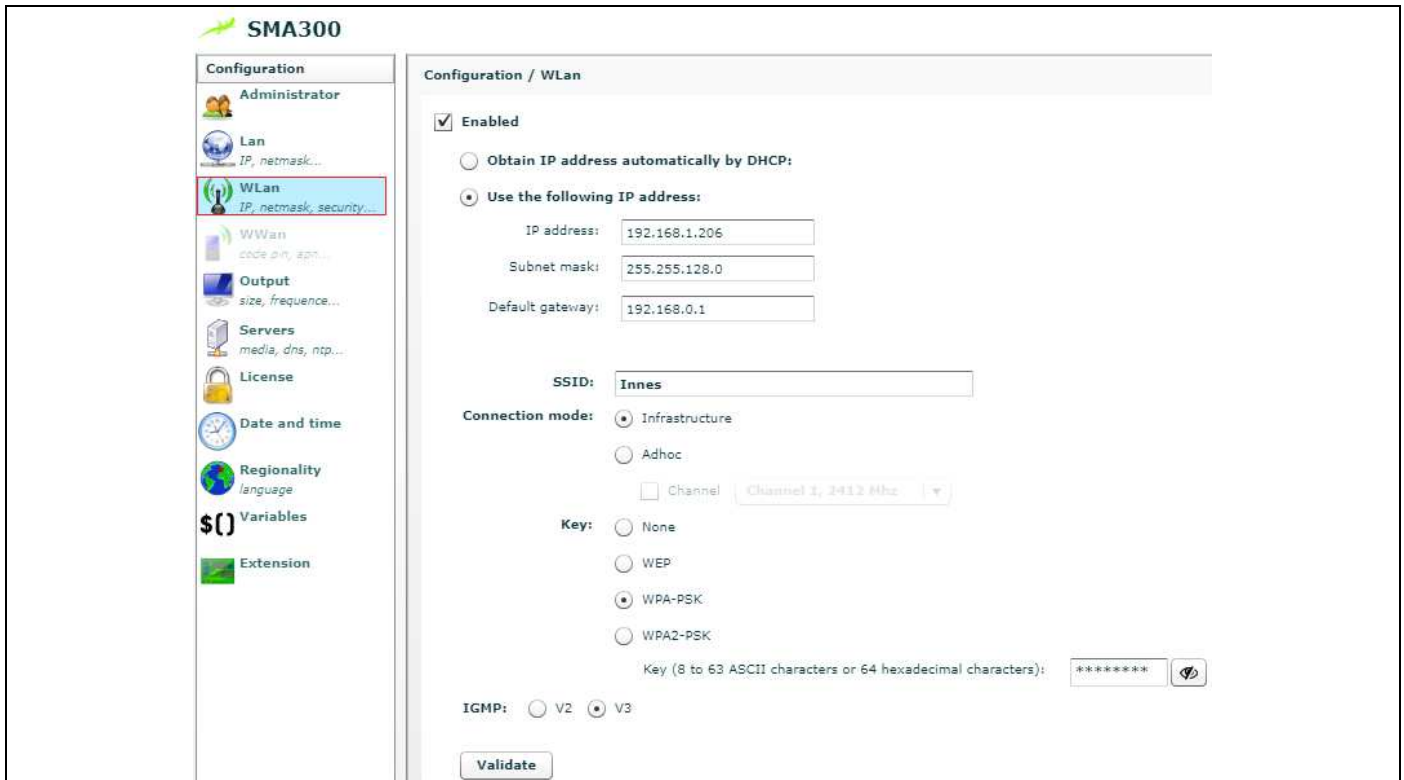
- connect to the device WebUI
- upgrade the Gekkota software
- save WebUI user preference
- update the device playout

Please contact [support@innes.fr](mailto:support@innes.fr) to get some advices before highly reduce the device IP traffic bandwidth



## 4.2.4 WLAN

This interface permits to configure Wireless network interface (WIFI):



The WLAN network interface is a hardware option (WIFI chipset + antenna) embedded when ordering a device. Please contact [sales@innes.fr](mailto:sales@innes.fr) for more information. When the option WLAN is not mounted, the menu is greyed according to.

- **Enabled:** WIFI network interface can be activated (enabled) or inactivated
  - DHCP (**Obtain IP address automatically by DHCP**)
  - Static IP (**Use the following IP address**). In this case the following parameters need to be filled
    - IP address
    - Subnet mask
    - Default gateway
  - **SSID** (Service Set Identifier) : name of your WIFI network
  - **Connection mode**
    - **Infrastructure** : used when your device is connecting to WIFI router
    - **Adhoc** : used when your device has to connect directly to another WIFI device
      - **Channel (1 to 11)** : in Ad hoc connection mode, the channel number has to be specified
    - **Key**
      - **None** : no key is used
      - **WEP**: in case only WEP WIFI key is required
      - **WPA-PSK**: in case WPA WIFI key is required
        - pairwise=TKIP
        - group=TKIP
        - key psk
      - **WPA2-PSK**: in case WPA2 WIFI key is required

- pairwise=CCMP
- group=CCMP
- key psk

**Key:** when required enter the WIFI key

- **IGMP \***
  - **V2**
  - **V3**

*\*IGMP (Internet Group Management Protocol): is a protocol which is permitting to IP routers to find out dynamically the multicast groups having clients in a sub-network.*

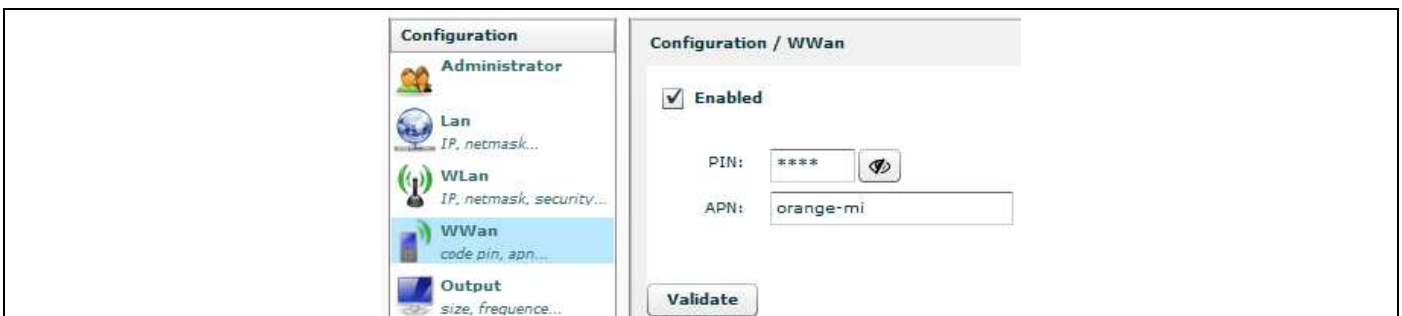
**Caution :** in case you have entered a WIFI configuration which is in conflict with LAN interface, you should not be able to connect to the device:

- neither with LAN interface with IPV4 address,
- nor with WIFI interface.

To solve the issue, reconnect the ethernet cable and connect to the device on LAN interface using the IPV6 of the device. For more information refer to [Gekkota application note Network configuration recovery](#).

#### 4.2.5 WWan

This interface permits to configure WWAN network interface (3G in French):



The WWAN network interface is a hardware option (card + antenna) embedded when ordering a device. Please contact [sales@innes.fr](mailto:sales@innes.fr) for more information. When the option WWAN is not mounted, the menu is greyed according to.

- **Enabled:** WWAN network interface can be activated (enabled) or inactivated\*
    - **PIN:** enter the PIN code of your Internet and mobile service provider
    - **APN:** enter the APN of your Internet and mobile service provider
- \*SIM card with a code PIN activated is required to support WWAN

### 4.2.6 Output

This interface permits to configure audio-video output :

Gekkota OS

**Gekkota3 :**

SMA300

- Configuration
- Administrator
- Lan  
IP, netmask...
- WLAN  
IP, netmask, security...
- WWan  
code pin, apn...
- Output  
size, frequency...
- Servers  
media, dns, ntp...
- License
- Date and time
- Regionality  
language
- Variables
- Extension

Configuration / Output \*

Choose the video output type:

Choose the configuration screen:

Choose the audio output type:

Choose the volume:  
 mute 
0%
100%

Overscan

720p SMPTE (1184x666)  
 1080p SMPTE (1776x1000)  
 Custom

X:  Y:   
 Width:  Height:

Rotation:

270°

0°

90°

180°

*Note : In Gekkota3, VESA DPMS protocol is always used when settings the monitor in standby mode.*

**Gekkota4 :**

DMB400

Configuration

- Administrator
- Lan  
IP, netmask...
- WLAN  
IP, netmask, security...
- WWan  
code pin, apn...
- Output  
size, frequency...
- Servers  
media, dns, ntp...
- License
- Date and time
- Regionality  
language
- Variables
- Extension
- AV Command  
Ethernet, DDC/CI...

Configuration / Output \*

Choose the video output type:

Choose the configuration screen:

Choose the audio output type:

Choose the volume:  
 mute 
0%
100%

Overscan

720p SMPTE (1184x666)  
 1080p SMPTE (1776x1000)  
 Custom

X:  Y:   
 Width:  Height:

Enable VESA DPMS

Rotation:

270°

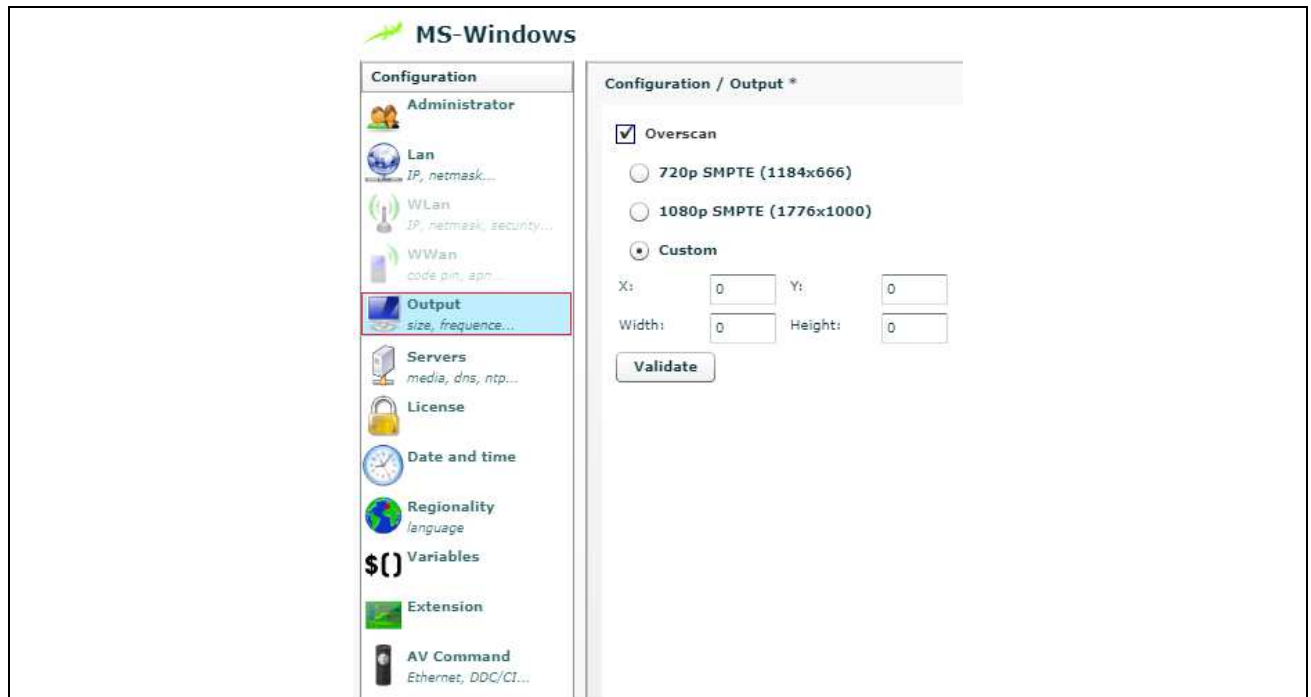
0°

90°

180°

*In Gekkota4, an option Enable VESA DPMS permits to activate or inactivate monitor standby through VESA DPMS protocol.*

Gekkota RT



- **Choose the video output type** (corresponding to the cable type connected between this device and its monitor)
  - **HDMI \***
  - **VGA \***
  - **RGBHV on DVI-I (VGA) \***
  - **Digital + RGBHV on DVI-I (HDMI + VGA) \***
- **Rotation** : it is possible to turn right the video viewport of your device
  - **0°**
  - **90° \***
  - **180°**
  - **270° \***

*\* useful when your content has to be displayed in portrait mode*

- *Totem*
- *Monitor (or TV set) turned 90°*
- *👉 Think to use Screen Composer or PlungCast grid in portrait mode according to !*



- **Choose the configuration screen** : permits to choose video output resolution, frequency and standard
  - "96x96 60Hz"
  - "112x96 60Hz"
  - "128x96 60Hz"
  - "640x480 60Hz"
  - "800x600 60Hz VESA"
  - "1024x576 60Hz VESA"
  - "1024x576 50Hz VESA"
  - "1024x600 60Hz DENSITRON 84-0188-001T"
  - "1024x768 60Hz VESA"
  - "1024x768 60Hz XGA"
  - "1280x720 60Hz VESA"
  - "1280x720 50Hz VESA"
  - "1280x720 60Hz SMPTE (720p)"
  - "1280x720 50Hz SMPTE (720p)"
  - "1280x720 60Hz CEA"
  - "1280x720 50Hz CEA"
  - "1280x720 60Hz SONY"
  - "1280x720 60Hz SAMSUNG"
  - "1280x720 60Hz CGV CPLine AV-HD"
  - "1280x720 60Hz CEA-861"
  - "1280x720 50Hz CEA-861"
  - "1280x768 60Hz VESA"
  - "1280x768 50Hz VESA"
  - "1280x800 60Hz VESA"
  - "1376x768 60Hz VESA"
  - "1376x768 50Hz VESA"
  - "1376x768 60Hz PC"
  - "1920x1080 50Hz VESA"
  - "1920x1080 60Hz VESA"
  - "1920x1080 50Hz CEA"
  - "1920x1080 60Hz CEA"
  - "1920x1080 50Hz SMPTE (1080p)"
  - "1920x1080 60Hz SMPTE (1080p)"
  - "1920x1080 60Hz CEA-861"
  - "1920x1080 50Hz CEA-861"
  - "2560x1440 60Hz CEA-861"
  - "3840x2160 59.94Hz"
  - "3840x2160 50Hz VESA"
  - "3840x2160 60Hz CEA-861"
  - "3840x2160 50Hz CEA-861"
  - "3840x2160 30Hz CEA-861"
  - "3840x2160 25Hz CEA-861"

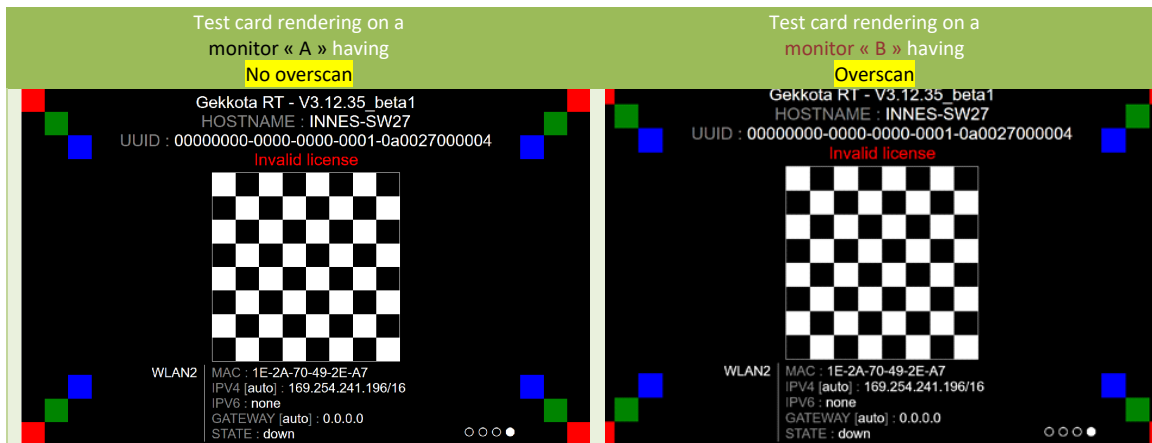
*Some device mat not propose some of these resolutions because not supported.*

- **Choose the volume** : permit to limit the audio volume of the device
  - **Mute** : the audio is muted (Off)
  - **0 to 100%** : permits to settle the maximal audio volume in % of audio volume range
  
- **Overscan** : in case your monitor has some overscan, this menu permits to apply an overscan correction permitting to downscale the useful information in a smaller resolution (and inserting unuseful information on the edge which should not be displayed by the monitor having overscan)
  - **720 SMTPE (1184x666)**
  - **1080p SMTPE (1776x1000)**
  - Custom
    - X
    - Y
    - Width
    - Height

Note :

- The overscan is depending on the manufacturer and the model of monitor
- Some the monitor built by some manufacturer have no overscan at all
- Overscan may depend also on the input connector type selected on the monitor

Illustration of display rendering on 2 different monitor Full HD (1920x1080)



On the left :

- 👍 The TV set « A » is displaying the test card properly.

On the right,

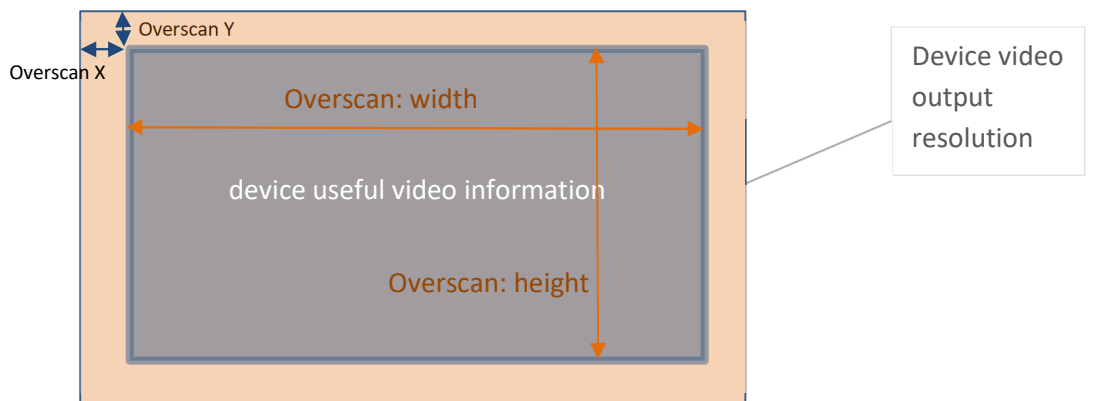
- ⚠️ The TV set « B » is not displaying entirely the test card content. So for the device connected to monitor, it is better to apply an overscan correction making that all the usefull information will be displayed. Please refer to the example below :

Example of overscan correction for a monitor Full HD 1920x1080 having overscan

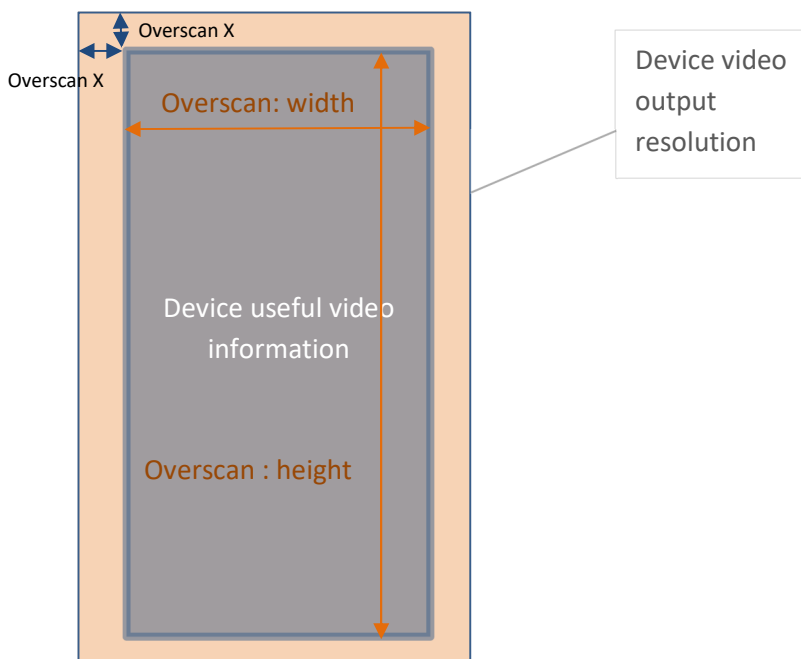
|   |  |  |
|---|--|--|
| Device video output 1920x1080 (no overscan)<br>(useful information is displayed in a resolution of 1920x1080) | Device video output 1920x1080 with overscan correction<br>X = 10 (pixels),<br>Y = 5 (pixels),<br>Height = 1070 (pixels),<br>Width = 1910<br>(useful information is displayed in a resolution of 1910x1070) | Result :<br>Test card rendering on a monitor « B » having <b>Overscan</b><br>The test card is now displayed properly |
|   |  |  |

- Explanation of parameters : X,X, width, height

- Landscape



- Portrait



4.2.6.1 Specific to SMH300

This interface permits to display the PSN and the Hostname of all the SLATE106 devices associated to this SMH300.

The screenshot shows the SMH300 configuration interface. On the left is a navigation menu with categories like Administrator, Lan, WLAN, WWlan, Output (slates), Servers, License, Date and time, Regionality, Variables, and Extension. The 'Output' category is selected. The main area is titled 'Configuration / Slate Pairing' and contains a table with the following data:

| #  | PSN         | Hostname |
|----|-------------|----------|
| 1  | 00900-00100 | Hostnam1 |
| 2  | 00900-00248 | Hostnam3 |
| 3  |             |          |
| 4  | 00900-00151 |          |
| 5  | 00900-00260 |          |
| 6  | 00900-00261 |          |
| 7  | 00900-00256 |          |
| 8  | 00900-00252 |          |
| 9  | 00900-00078 |          |
| 10 |             |          |
| 11 | 00900-00241 |          |
| 12 |             |          |
| 13 | 00900-00122 |          |
| 14 | 00900-00266 |          |
| 15 |             |          |
| 16 | 00900-00264 |          |
| 17 |             |          |
| 18 | 00900-00015 |          |
| 19 |             |          |
| 20 |             |          |

### 4.2.7 Servers

This interface permits to configure

1. PlugnCast server URL (need to have a CMS working on a PlugnCast G2 or PlugnCast G3 server)
2. DNS Servers
3. NTP server (Gekkota OS only)
4. Proxy servers

**Configuration / Server \***

---

**Delivery, status and installation servers:**  **Modify**

**Delivery server (G3):** `http://192.168.1.17:8080/frontals/.webdav/demo.plugncast.com/`    **Heartbeat:** 00h 01min

**Status server:** `http://192.168.1.17:8080/frontals/.webdav/demo.plugncast.com/.device-status/`    **Heartbeat:** 00h 01min

**Softwares and configurations installation server:** `http://192.168.1.17:8080/frontals/.webdav/demo.plugncast.com/.setup/`    **Heartbeat:** 00h 01min

**DNS Servers:**

Obtain DNS server address automatically

Use the following DNS server address:

Preferred DNS server:

Alternate DNS server:

Suffixes DNS:   
Exemple: my.intranet, my.isp.com

**NTP time server**

NTP Server:

Maximum number of tries:

Maximum waiting time for each try:  seconds

**Proxy servers**

**Manual proxy configuration:**

HTTP    Address:     Port:   
 Username:     Password:

HTTPS    Address:     Port:   
 Username:     Password:

FTP    Address:     Port:   
 Username:     Password:

No proxy for:

Delivery server     Status server     Softwares and configurations installation server

Others:   
Exemple: .innes.pro, 192.168.0.1/24

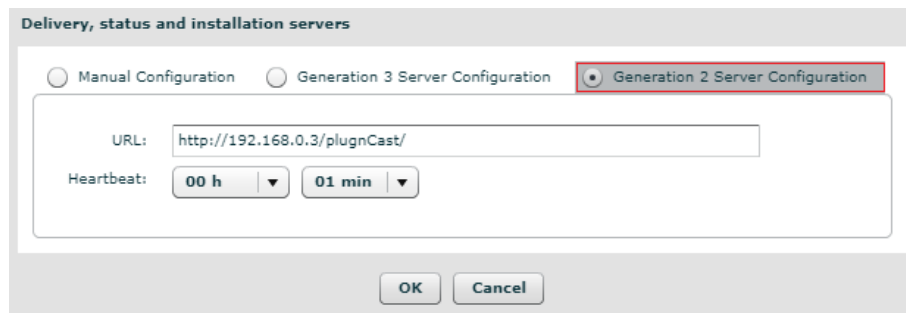
Automatic proxy configuration URL:

4.2.7.1 Configuration > Server

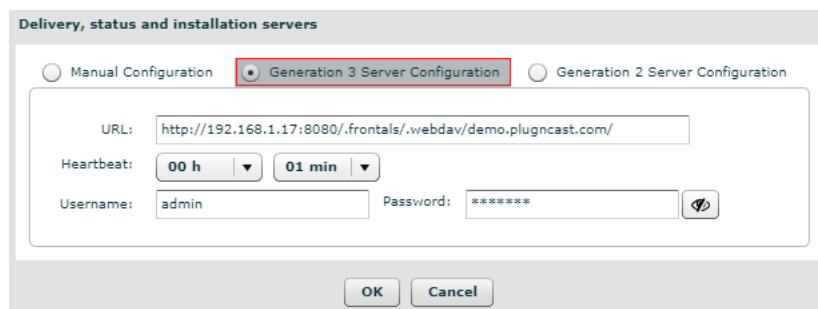
- **Configuration > Server**
  - Delivery, status and installation servers / Button **Modify**



- To work with **PlugnCast G2**
  - Select **Configuration serveur Génération 2**
  - **URL** : URL of your PlugnCast G2 server
  - **Heartbeat** : settle the frequency of connections to PlugnCast G2 for updates
    - **Ex** : 10 min



- To work with **PlugnCast G3**
  - Select **Configuration serveur Génération 3**
  - **URL** : URL of your PlugnCast G3 frontal where the device is registered
    - **Username** : username of PlugnCast G3 frontal where the device is registered
    - **Password** : password of PlugnCast G3 frontal where the device is registered
 For more information, see also appendix **Frontal PlugnCast G3**
  - **Heartbeat** : settle the frequency of connections to PlugnCast G3 for updates
    - **Ex** : 10 min

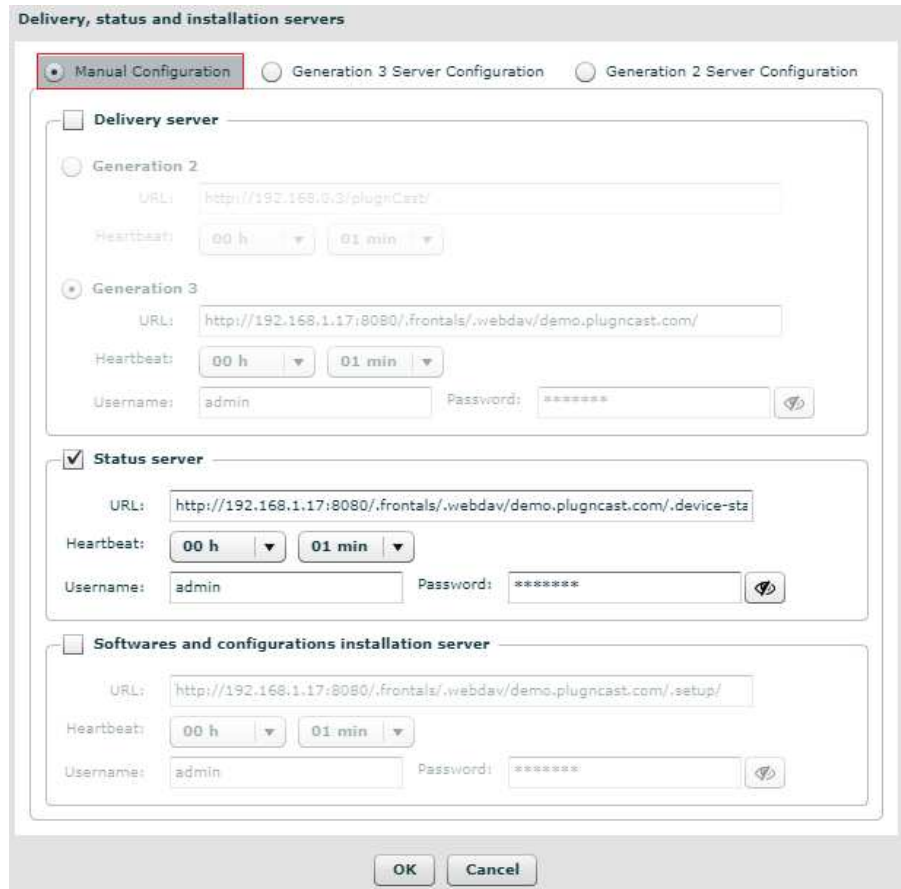


Then when you go to **manual configuration**, you can notice that all the mandatory fields to work in PlugnCast G3 configuration have been set properly (URL for PlugnCast, URL for status, URL for software and configuration)

- To configure **Status server (only)** (URL of your serveur WebDAV able to host device status)
  - Select **Manual Configuration**
  - Unselect **Deliver server**
  - Unselect **Softwares and configuration installation server**
  - Select **status server**
  - **URL** : URL of your WebDAV serveur
    - **Username** : username of WebDAV serveur
    - **Password** : password of WebDAV serveur

Note : the URL of Plugncast G3 frontal where the device is registered is pointing on a WebDAV server

- **Heartbeat** : settle the frequency of connections to WebDAV to update device status
  - **Ex** : 10 min



- To change your default **Software installation server** (URL of your server WebDAV able to host device version) (Plugncast G3 configuration only)
  - Select **Manual Configuration**
  - Select **Deliver server**
  - Select **Status server**
  - Select **Softwares and configuration installation server**
    - **URL** : URL of your WebDAV server for software version hosting
    - **Username** : username of WebDAV server
    - **Password** : password of WebDAV server

Note : the URL of Plugncast G3 frontal where the device is registered is pointing on a WebDAV server
  - **Heartbeat** : settle the frequency of connections to WebDAV to update device status

**Ex** : 10 min

- Delivery, status and installation servers / **Delivery server**: recap of the configuration
- Delivery, status and installation servers / **Status server** : recap of the configuration
- Delivery, status and installation servers / **Softwares and configuration installation** : recap of the configuration

### 4.2.7.2 DNS server

- **DNS Server**

- Obtain the DNS server address automatically
- Use the following DNS server address
  - Preferred DNS server :
    - You can enter by example the Google DNS: 8.8.8.8
  - Alternate DNS server :
    - You can choose by example the Google DNS : 8.8.8.4
  - Suffix DNS
    - Permits to define a default domain suffix

- For example, the URL PlugNCast G2 below

- URL : `http://support.innes.pro/plugNCast/`

- can be replaced by

- URL : `http://support/plugNCast/`
- DNS Suffixe : `innes.pro`

### 4.2.7.3 NTP Time server



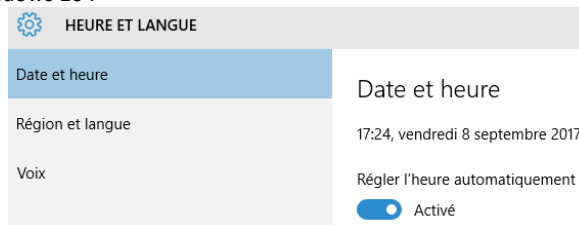
This interface permits to configure NTP server so that the device is always on time (if the NTP server is available !)

- **NTP server** : entrer the domaine or IP address of your NTP server
- **Maximal number of tries** : in case connection failure when device is starting-up, you can settle the number of attempts before considering that the NTP is not working properly
- **Maximal waiting time for each try** : duration between two attempts

*Note : The server can be local to your network or on the Web. The NTP server latency is more important for a Web server than for a NTP server running on the local network.*

**⚠ Warning:** when NTP is activated, in case for any known reason, the network is not available, the device can display a black screen for few minutes (for example: 8 minutes).

*Note for Gekkota RT: The NTP server menu is not supported on Gekkota RT WebUI because the system MS-Windows manages already clock automatic update. Example for MS-Windows 10 :*



#### 4.2.7.4 Proxy server

This interface permits to use a existing proxy available on your network.

- **Proxy servers**
  - **Manual proxy configuration**
    - **HTTP**

- IP address
  - Port
  - Username
  - Pass
- HTTPS
  - IP address
  - Port
  - Username
  - Pass
- FTP
  - IP address
  - Port
  - Username
  - Pass
- No proxy for :
  - **Deliver server** : permits to set your PlugnCast server as exception for the proxy
  - **Status server** : permits to set your PlugnCast G3 status server as exception for the proxy
  - **Software and configuration installation server** : permits to set your PlugnCast G3 software and configuration server as exception for the proxy
  - **Others** : enter another exception for the proxy

## 4.2.8 License

This interface permits to enter a license « Gekkota ».

When they are delivered to customer, all the devices INNES (except Gekkota OS) are provided with a valid license.

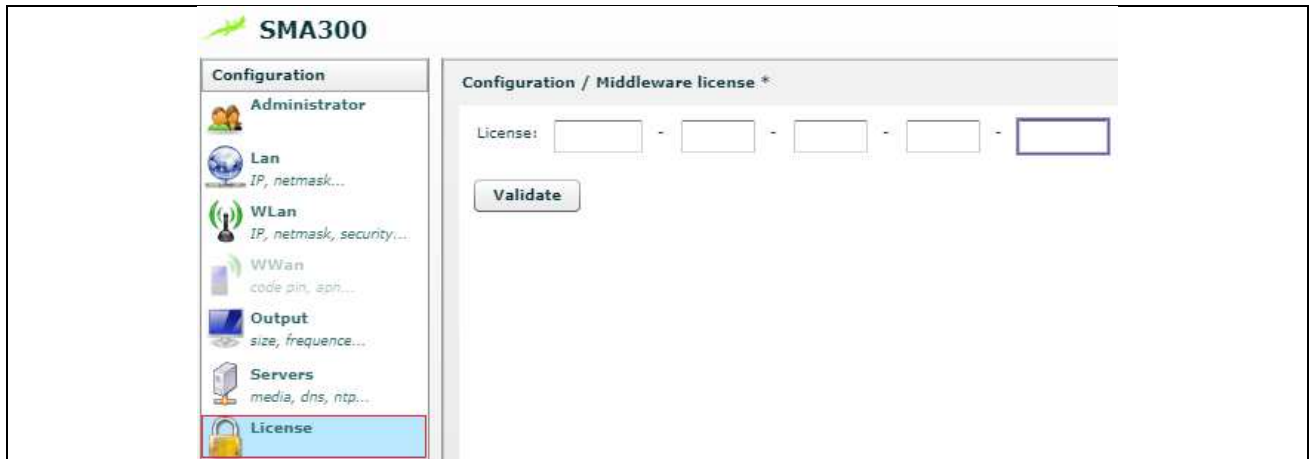
Note : MS-Windows device & license,

Once Gekkota is installed on your PC-Windows, send a email containing

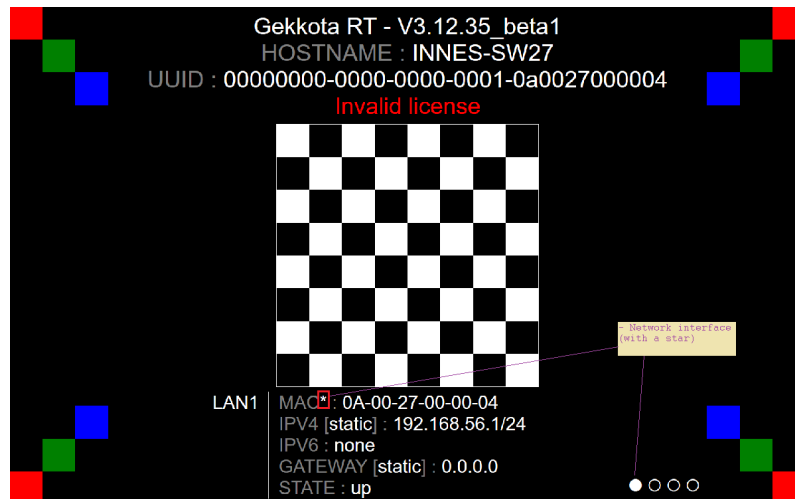
- The PSN (Production Serial Number) of the device (« SN » in Information/General)
- The MAC address of network interface containing a star (**MAC\***) to [license@innes.fr](mailto:license@innes.fr)

An email should be replied with the Gekkota license for your device.


- *Configuration / Licence du middleware* : copy the license sent by mail and paste into text area below



A license is required when the message **Invalid license** is displayed on the screen.

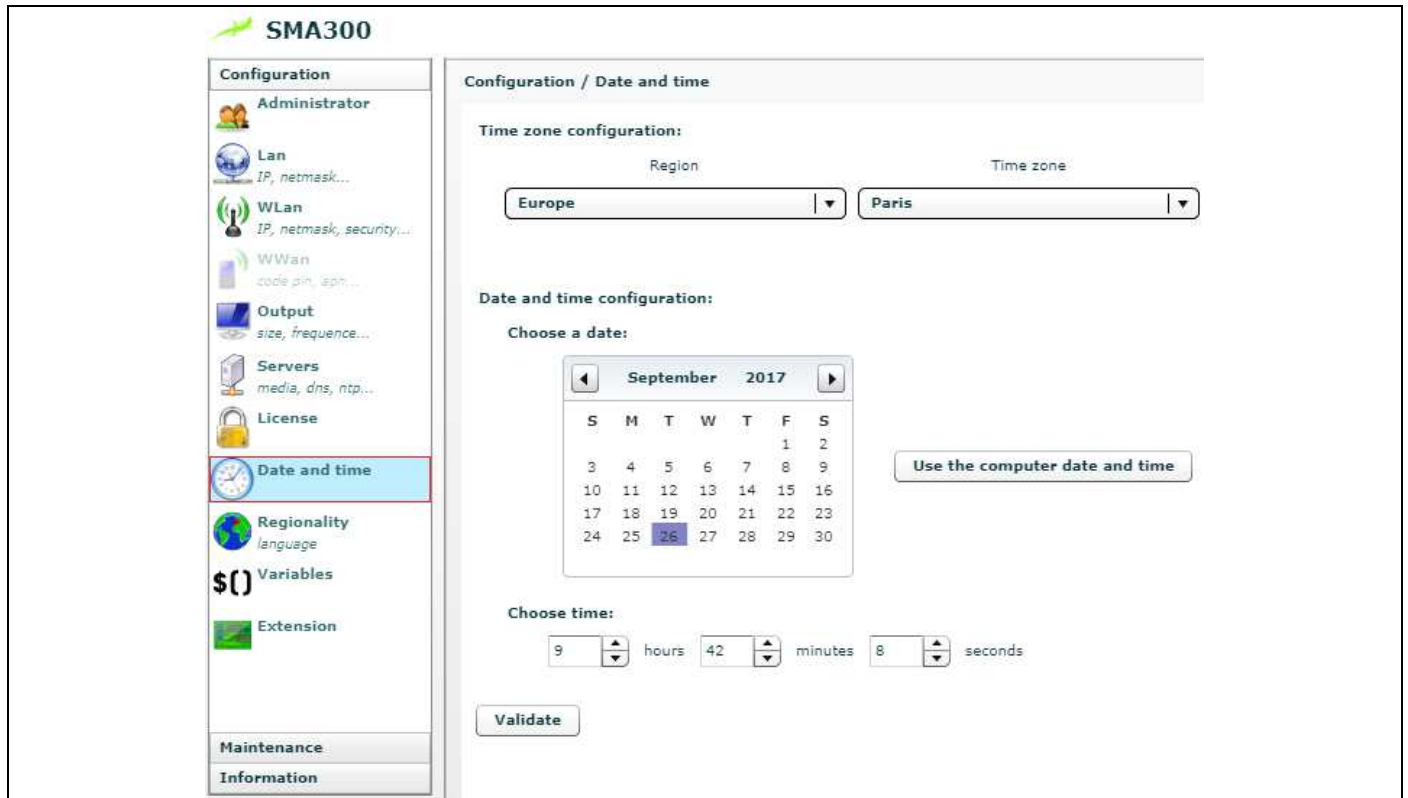


Note :

- At least one LAN interface (with RJ45 connector) is required to install a Gekkota license.
- The first network interface is displayed when the white dot is displayed on the left side . Then the other network interface are displayed every 10 seconds (the white dot is moving according to).
- Some license can be generated with an « End » validity date making that the license expired after this date.

### 4.2.9 Date and time

This interface permits to adjust the date and time of the device.



- **Region**

|           |           |         |
|-----------|-----------|---------|
| Africa    | Australia | Indian  |
| America   | Brazil    | Mexico  |
| Antartica | Canada    | Mideast |
| Artic     | Chile     | Pacific |
| Asia      | Etc       | US      |
| Atlantic  | Europe    |         |

- **Time Zone**

|            |            |            |
|------------|------------|------------|
| Amsterdam  | Lisbon     | Simferopol |
| Andorra    | Ljubljana  | Skopje     |
| Athens     | London     | Sofia      |
| Belfast    | Luxembourg | Stockholm  |
| Belgrade   | Madrid     | Tallinn    |
| Berlin     | Malta      | Tirane     |
| Bratislava | Minsk      | Trospol    |
| Brussels   | Monaco     | Uzhgorod   |
| Bucharest  | Moscow     | Vaduz      |
| Budapest   | Nicosia    | Vatican    |
| Chisinau   | Oslo       | Vienna     |
| Copenhagen | Paris      | Vilnius    |
| Dublin     | Prague     | Warsaw     |
| Gibraltar  | Riga       | Zagreb     |
| Helsinki   | Rome       | Zaporozhye |

|                                 |                                  |        |
|---------------------------------|----------------------------------|--------|
| Istanbul<br>Kaliningrad<br>Kiev | Samara<br>San_Marino<br>Sarajevo | Zurich |
|---------------------------------|----------------------------------|--------|

- **Date and time configuration**
  - Adjust date and time with
    - **Choose a date**
    - **Choose a time**
  - Or **Use the computer date and time** : permits to directly get the time and date from now




*Note : Changing the date will make reboot the device automatically*

*Note the device date and time can be adjusted automatically with :*

- *A NTP server (Configuration > server > NTP server)*
- *With another DMB400 with PTP/IEEE1588 (supported only on DMB400 devices)*
- *PlugnCast G3 (the device date and time is adjusted as soon as the time difference between server and and device is more than 24 hours)*

#### 4.2.10 Regionality

This interface permits to settle the **language** of the messages displayed on the device:

-  Error message
-  Information message or message asking for an user interaction
  - Ex : Removing the USB key,
  - Ex : Waiting...
-  Device status values
- Supported language
  - **English**
  - **Français**
  - **Espagnol**
  - **Deutsch**



#### 4.2.11 Variables

This interface permits to give some values (string format) to some predefined variable Field 1 to Field 5. These variables can be then used by Screen Composer of PlugnCast to play some media depending on these device values.

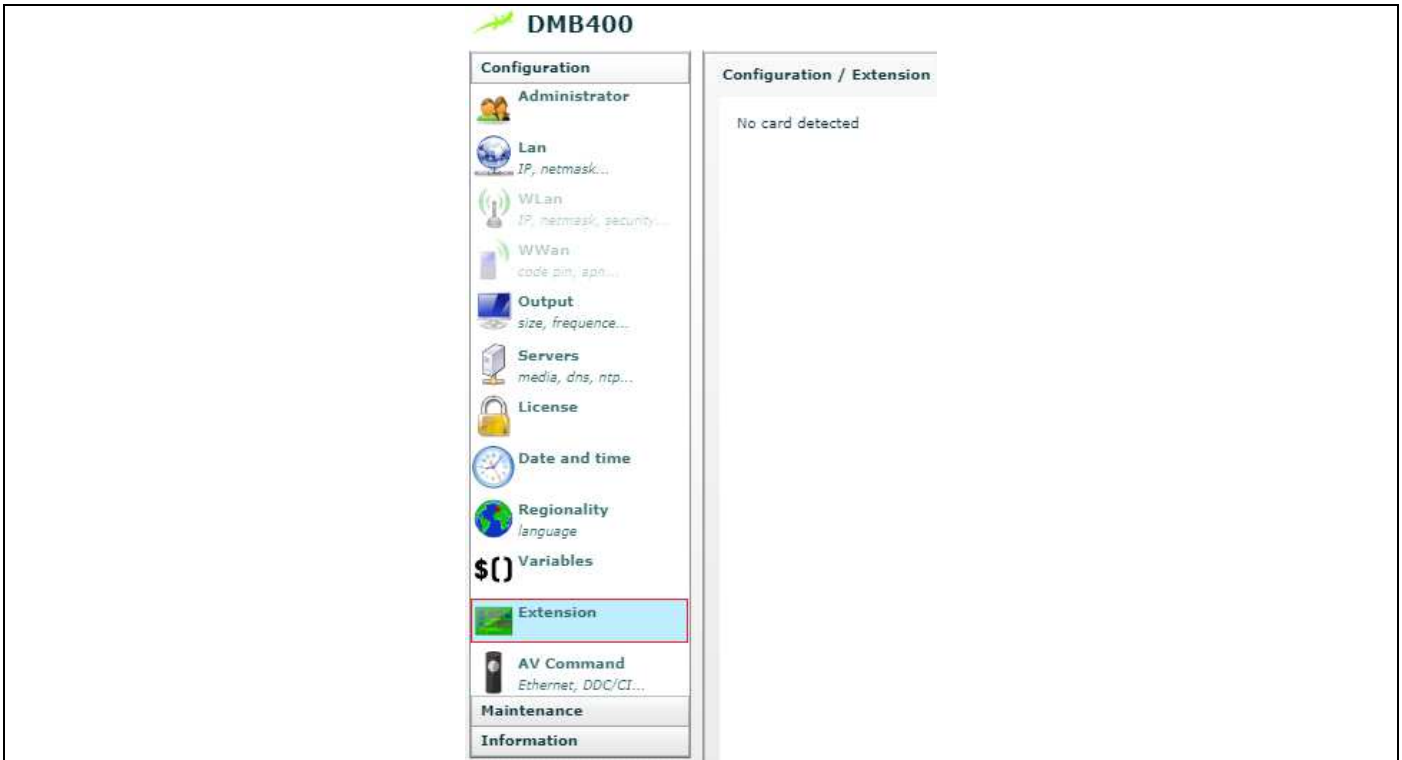
- Variable name
  - field1
  - field2
  - field3
  - field4
  - field5

The screenshot shows the web interface for the DMB400 device. On the left is a navigation menu with the following items: Configuration, Administrator, Lan (IP, netmask...), WLAN (IP, netmask, security...), WWan (code pin, apn...), Output (size, frequency...), Servers (media, dns, ntp...), License, Date and time, Regionality (language), Variables (highlighted with a red box), Extension, and AV Command (Ethernet, DDC/CT...). The main content area is titled 'Configuration / Variables' and contains a section for 'Custom device variables'. This section has five input fields labeled 'field1' through 'field5', each containing the text 'F1' through 'F5' respectively. Below these fields is a 'Validate' button.

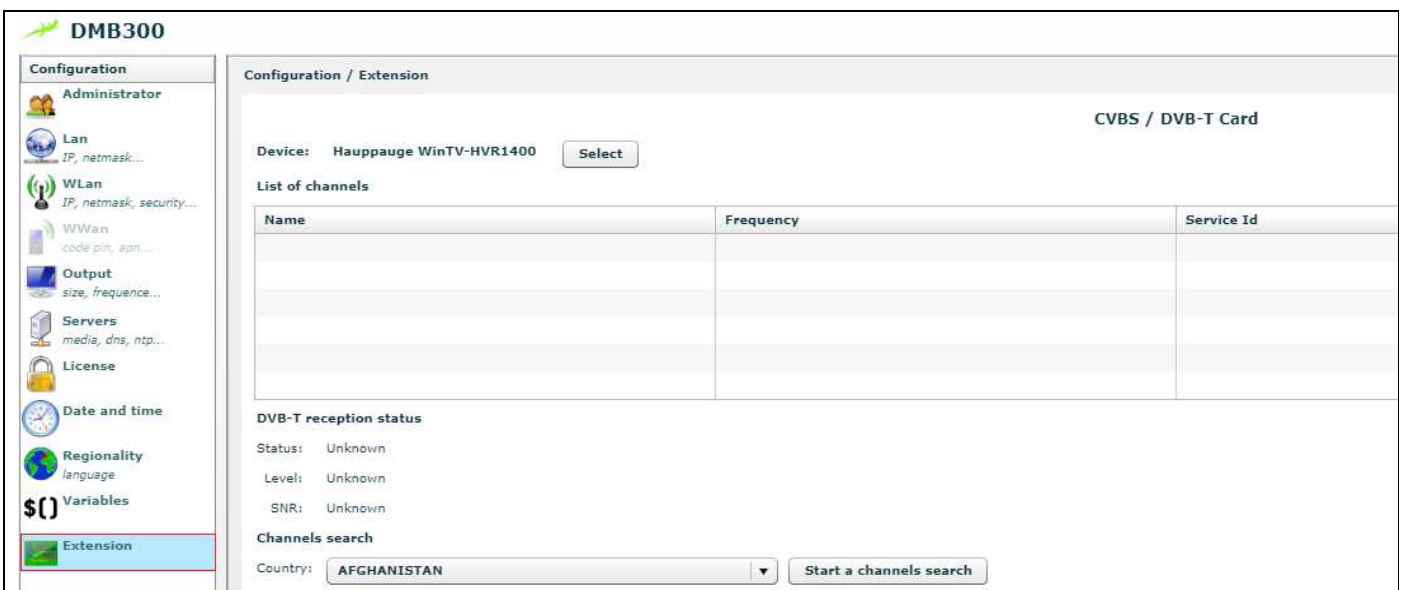
### 4.2.12 Extension

This interface permits to detect optional board, like the Express Card DVB-T Hauppauge (generally installed when the device is ordered at INNES premises).

If your DMB300 or DMC200 is not equipped with this Express card DVB-T you should see this screen.



When your DMB300 (or DMC200) is equipped with the optional Express card DVB-T Hauppauge, you should see this screen when DVB-T service are installed :



- **Device** : Hauppauge WinTV-HVR1400  
The button select permits to choose another express card installed.
- **List of channels** (example for France)



|             |             |                |
|-------------|-------------|----------------|
| 6ter        | France 4 HD | LCI            |
| Arte        | France O HD | LCP            |
| BFM TV      | France      | M6             |
| C8          | 5           | NRJ12          |
| CANAL       | France      | NT1            |
| Chérie 25   | Info        | Numéro 23      |
| CNews       | Gulli       | RMC Découverte |
| CStar       | HD1         | TF1            |
| F3 Bretagne | iTélé       | TMC            |
| France 2 HD | L'Equipe 21 | W9             |

- **State of the DVB-T**
  - **Status** : « locked » is written when the digital DVB-T reception is correct (and when a channel service is selected). Else « unlocked »
  - **Level** : 0 (not implemented)
  - **SNR** : dB
- **Channels search**
  - **FRANCE**
  - **UNITED KINGDOM**
  - **SPAIN**
  - **GERMANY**
  - ...
- **Start a channels search** : permits to launch a new channel search (scanning) (mandatory when typically no channel search has been done before). When the channel search is launched, the previous service list is erased. When the channel search is done, the channel bandwidth 6 or 7 or 8 MHz is settled according to the selected country.

Note : if case DVB-T reception is not correct, some service could not be installed, or some of them could not be decoded (content temporarily unavailable (code <0>)).

### 4.2.13 AV Command

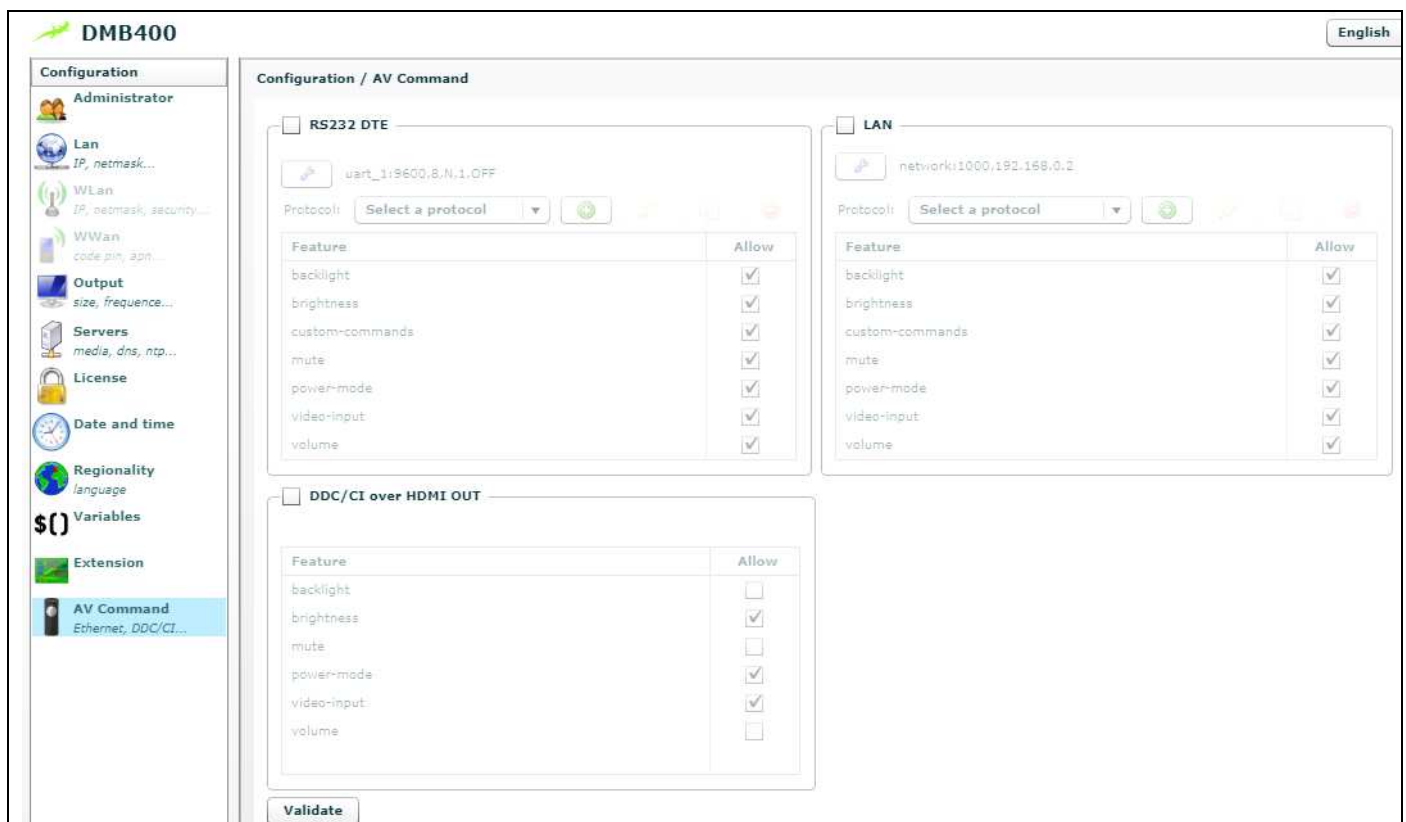
Supported in WebUI only on Gekkota4

This interface permits to activate optional AV Command on different channels :

- DDC/CI over <VIDEO\_CONNECTOR\_NAME>
  - Ex : DDC/CI over HDMI OUT
- LAN
- RS232 DTE

By default

- AV Command > DDC/CI is inactivated
- AV Command > LAN is inactivated
- AV Command > RS232 is inactivated



The screenshot shows the 'Configuration / AV Command' interface. On the left, a sidebar lists various configuration categories, with 'AV Command' selected. The main area is divided into three sections, each with a checkbox to activate the channel:

- RS232 DTE**: Checked. Protocol: 'uart\_1:9600,8,N,1-OFF'. Features table:
 

| Feature         | Allow                               |
|-----------------|-------------------------------------|
| backlight       | <input checked="" type="checkbox"/> |
| brightness      | <input checked="" type="checkbox"/> |
| custom-commands | <input checked="" type="checkbox"/> |
| mute            | <input checked="" type="checkbox"/> |
| power-mode      | <input checked="" type="checkbox"/> |
| video-input     | <input checked="" type="checkbox"/> |
| volume          | <input checked="" type="checkbox"/> |
- LAN**: Checked. Protocol: 'network:1000.192.168.0.2'. Features table:
 

| Feature         | Allow                               |
|-----------------|-------------------------------------|
| backlight       | <input checked="" type="checkbox"/> |
| brightness      | <input checked="" type="checkbox"/> |
| custom-commands | <input checked="" type="checkbox"/> |
| mute            | <input checked="" type="checkbox"/> |
| power-mode      | <input checked="" type="checkbox"/> |
| video-input     | <input checked="" type="checkbox"/> |
| volume          | <input checked="" type="checkbox"/> |
- DDC/CI over HDMI OUT**: Unchecked. Features table:
 

| Feature     | Allow                               |
|-------------|-------------------------------------|
| backlight   | <input type="checkbox"/>            |
| brightness  | <input checked="" type="checkbox"/> |
| mute        | <input type="checkbox"/>            |
| power-mode  | <input checked="" type="checkbox"/> |
| video-input | <input checked="" type="checkbox"/> |
| volume      | <input type="checkbox"/>            |

A 'Validate' button is located at the bottom of the configuration area.

Tick a AV Command channel to activate it.

#### 4.2.13.1 Supported monitor protocols

The supported standard commands are

- Standby
- Power mode
- Brightness
- Backlight
- Video input (to know the list of possibles values, please refer to AVCmd Web IDL (Gekkota OS GitHub Repo))
- Mute
- Volume
- Custom commands (not supported for DDC/CI): permit to launch a custom command of your custom protocol

The supported monitor protocols are

- eiki\_xb42
- nec\_np3150
- philips\_m2
- extron\_m1
- nec\_x461s
- samsung\_m1
- hitachi\_m1
- nudam\_m2
- sanyo\_m1
- optoma\_m1
- sharp\_m1
- lge\_m1
- panasonic\_m1
- sony\_m1
- mitsubishi\_xl6x00
- panasonic\_m2
- toshiba\_m1
- nec\_m1
- philips\_m1
- toshiba\_tdpt420

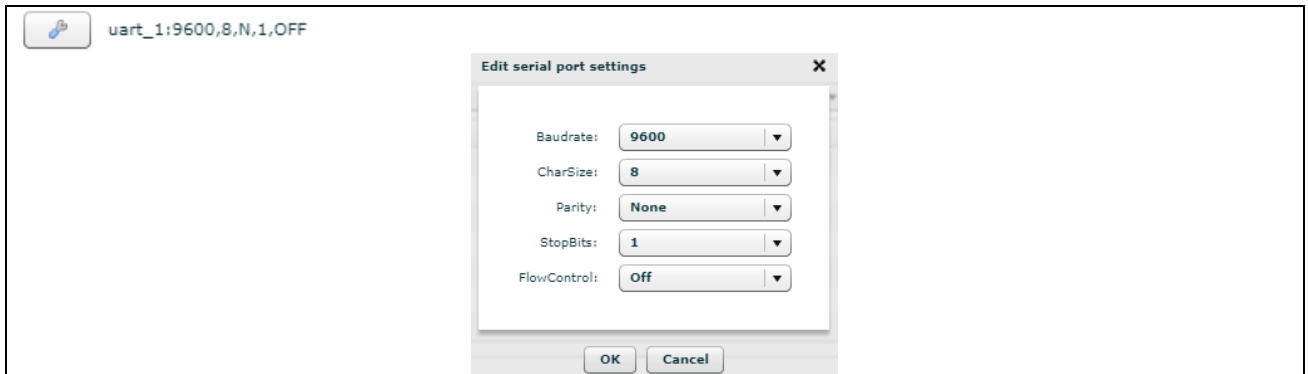
#### 4.2.13.2 RS232 DTE

- Requires a RS232 cable (not crossed) between the device and your monitor
- Your monitor needs to be configured in RS232 DTE mode

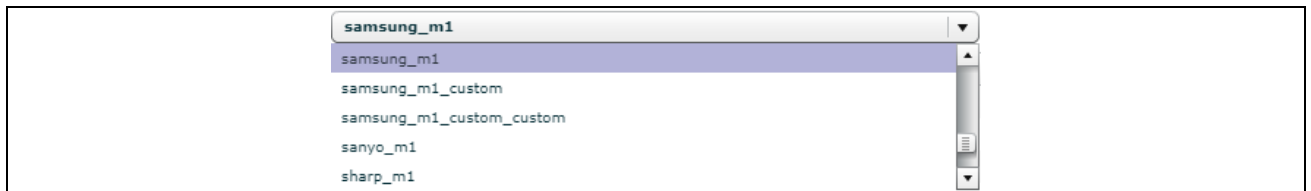
- 1) Tick a **AVCommand > RS232 DTE** to activate it
- 2) All the available commands are active by default. Inactivate if required some of them :

| Feature         | Allow                               |
|-----------------|-------------------------------------|
| backlight       | <input checked="" type="checkbox"/> |
| brightness      | <input checked="" type="checkbox"/> |
| custom-commands | <input checked="" type="checkbox"/> |
| mute            | <input checked="" type="checkbox"/> |
| power-mode      | <input checked="" type="checkbox"/> |
| video-input     | <input checked="" type="checkbox"/> |
| volume          | <input checked="" type="checkbox"/> |

- 3) Click on **uart\_1** button to change RS232 configuration according to your monitor :



- 4) **Select a protocol** in the list corresponding to your device :



5) Reboot the device

Note : in case using USB to serial adapter, please visit Innes support Web site :  
 DMB400 : [http://www.innes.pro/fr/support/index.php?Gekkota\\_G4\\_for\\_device/Application\\_Notes/DMB400\\_Driver\\_USB\\_to\\_serial\\_supported\\_vendorID](http://www.innes.pro/fr/support/index.php?Gekkota_G4_for_device/Application_Notes/DMB400_Driver_USB_to_serial_supported_vendorID)  
 SMA300 : [http://www.innes.pro/fr/support/index.php?Gekkota\\_G3\\_for\\_device/Application\\_Notes/SMH300\\_Driver\\_USB\\_to\\_serial\\_supported\\_vendorID](http://www.innes.pro/fr/support/index.php?Gekkota_G3_for_device/Application_Notes/SMH300_Driver_USB_to_serial_supported_vendorID)

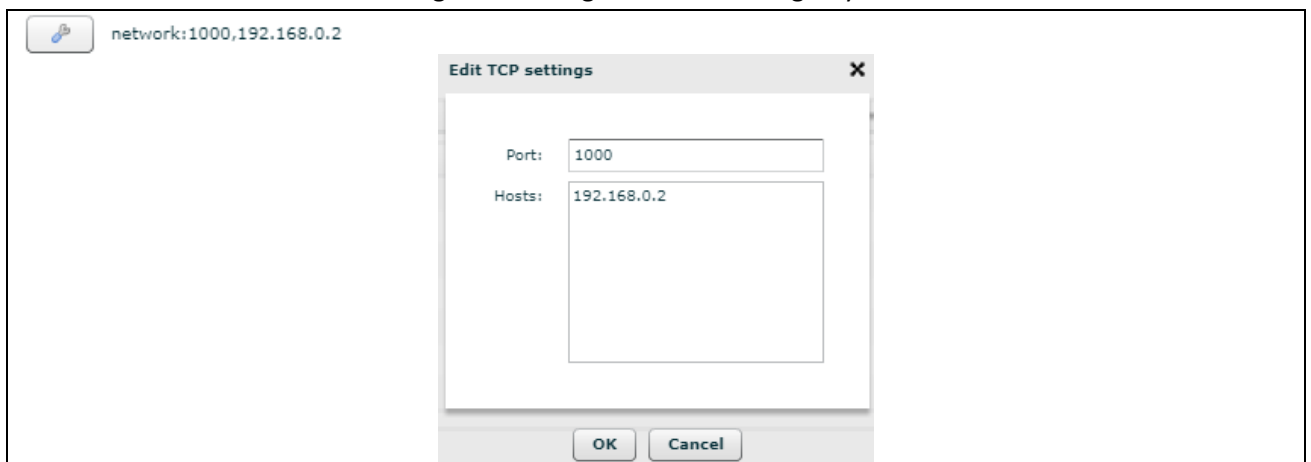
4.2.13.3 LAN

- Requires a Ethernet RJ45 cable between the device and your monitor
- Your monitor needs to be configured in LAN network mode
  - Check mask, ip address & gateway value
  - Check port used by the monitor to communicate (ex : 1515)

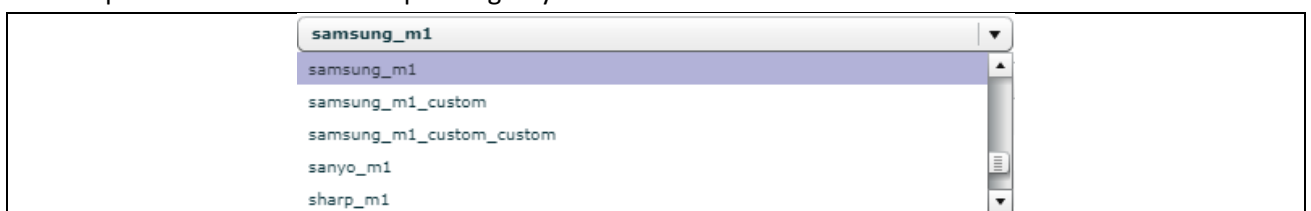
- 1) Tick a **AVCommand > LAN** to activate it
- 2) All the available commands are active by default. Inactivate if required some of them

| Feature         | Allow                               |
|-----------------|-------------------------------------|
| backlight       | <input checked="" type="checkbox"/> |
| brightness      | <input checked="" type="checkbox"/> |
| custom-commands | <input checked="" type="checkbox"/> |
| mute            | <input checked="" type="checkbox"/> |
| power-mode      | <input checked="" type="checkbox"/> |
| video-input     | <input checked="" type="checkbox"/> |
| volume          | <input checked="" type="checkbox"/> |

- 3) Click on « network » button to change LAN configuration according to your monitor



- 4) Select a protocol in the list corresponding to your device



## 5) Reboot the device

#### 4.2.13.4 DDC/CI over HDMI (or any other video connector)





- 1) Tick a **AVCommand > DDC/CI over HDMI OUT** to activate it
- 2) All the available commands are active by default. Inactivate if required some of them :



**Warning :** number of monitor do not support DDC/CI. And when DDC/CI is supported, only certain commands can be supported. Check your monitor datasheet to know which of these commands are supported over DDC/CI.

#### 4.2.13.5 Add a custom protocol

It is possible to :

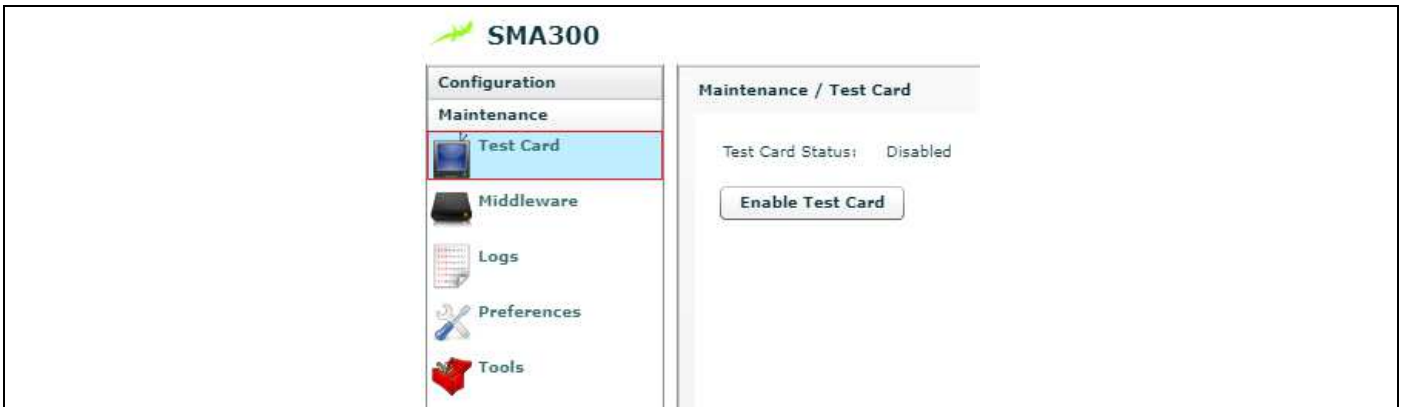
-  Create your own protocol
  - it is highly recommended to rather duplicate an existing protocol to avoid any syntax error.
-  Edit a protocol
-  Duplicate a existing protocol to create your custom protocol
-  Erase a custom protocol

**Innes does not support help for the creation of your custom protocol**

## 4.3 Maintenance

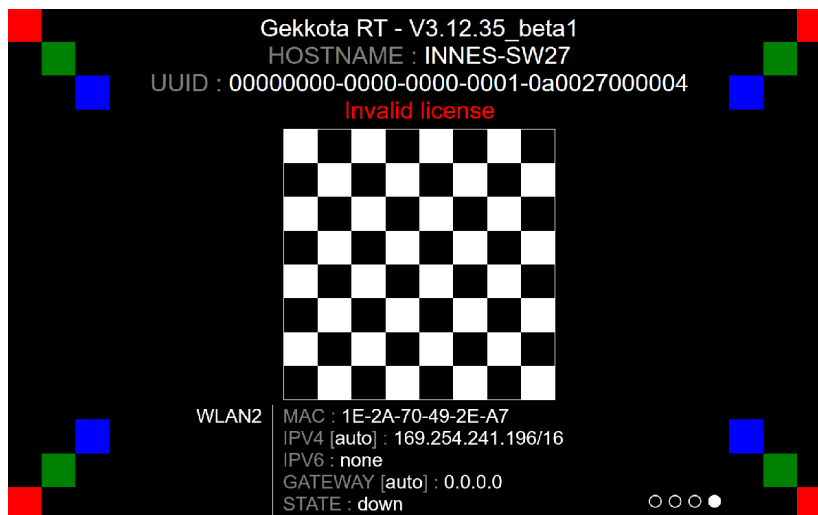
### 4.3.1 Test card

All devices except the device SMH300




This toggle button permits to display the test card. When the test card is activated the playout cannot be played.

- **Disable test card:** permits to not display the specific screen below and play the playout again.
- **Enable test card:** permits to display this specific screen on video output displaying
  - Embedded software version (ex: Gekkota RT 3.12.25)
  - Hostname: name of your device (see also WebUI / administrator)
  - UUID: computed automatically with the MAC address
  - Error message (if any) (here invalid licence)
  - Network configuration are displayed interfaces after interfaces
    - **T0** : Network interface 1: LAN1 (mandatory)
      - MAC
      - IPV4
      - IPV6
      - GATEWAY
      - STATE: show if the interface is active (up) or inactive (down)
    - **T0 + 10 seconds:** Network interface 1: LAN2 (optional)
      - MAC
      - IPV4
      - IPV6
      - GATEWAY
      - STATE: show if the interface is active (up) or inactive (down)
    - **T0 + 20 seconds:** Network interface 1: WLAN1 (optional)
      - MAC
      - IPV4
      - IPV6
      - GATEWAY
      - STATE: show if the interface is active (up) or inactive (down)



The test card is displaying one network interface at a time. In case your device has more than one network interface, the test card is changing the network interface displayed.

In the example above the widget  is indicating that the test card is displaying the parameters for the 4th network interface.

When your device output is well calibrated, the 4 red squares has to be displayed with the same size as the green and the blue one. Else go the Configuration/output to settle the overscan.

Invalid licence is only displayed when the device has not a valid licence.

### 4.3.2 Slate pairing (only SMH300)



The interface “Slate Pairing” permits to pair your hub SMH300 to some SLATE106 devices alive on your Bluetooth Low Energy network.

Before publishing a content with Screen Composer (ex: SignMeeting) on a SLATE106 device through the SMH300, you have to install and pair your SLATE106 devices to your SMH300.

- A. Press Activate button and wait the building of the list of the available SLATE106 devices

If you want to add some new SLATE106 devices to your SMH300 (or remove or modify), connect to the SMH300 WebUI, and press “**Activate**” button in the menu **Maintenance > Slate Pairing**.

**Warning: when you press on “Activate” button, only SLATE106 devices installation and pairing can be done, they can’t take their content. At the end of SLATE106 devices installation and pairing, press “Deactivate” to return to normal behaviour.**

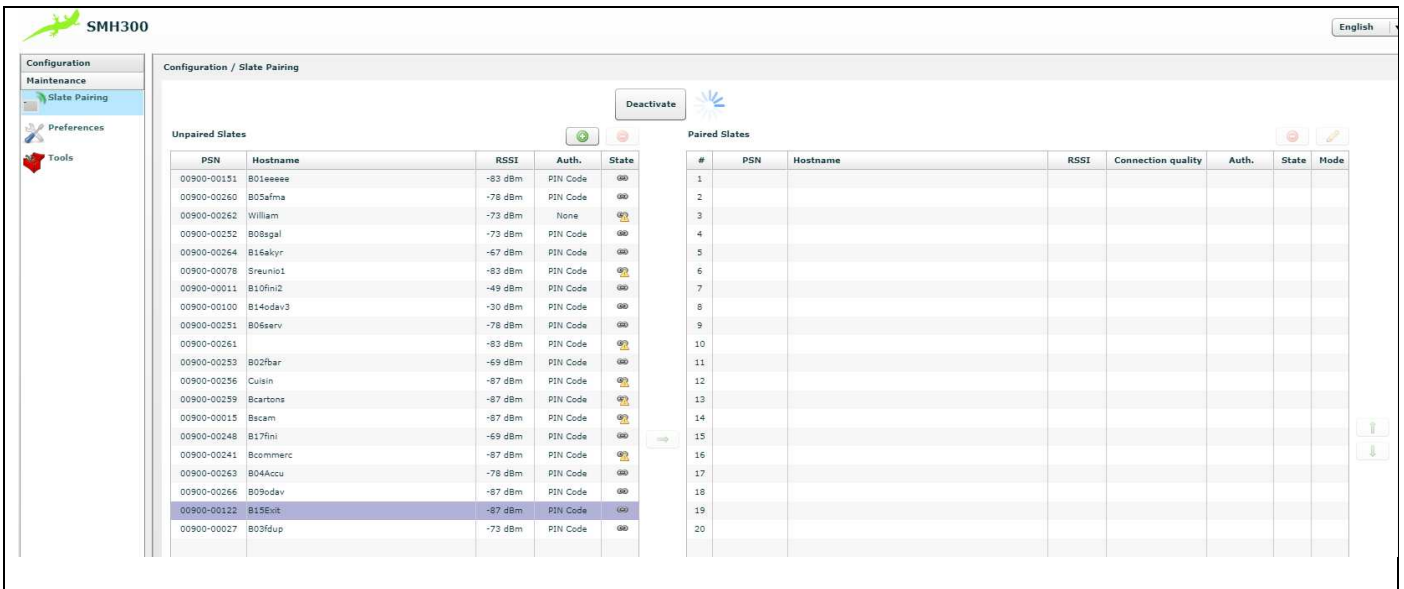


The button is now renamed “**Deactivate**”. And hourglass is turning.

Wait a couple of time, the time for all the SLATE106 devices to be detected on the list “**Unpaired Slates**” which is showing for each device, its personal settings:

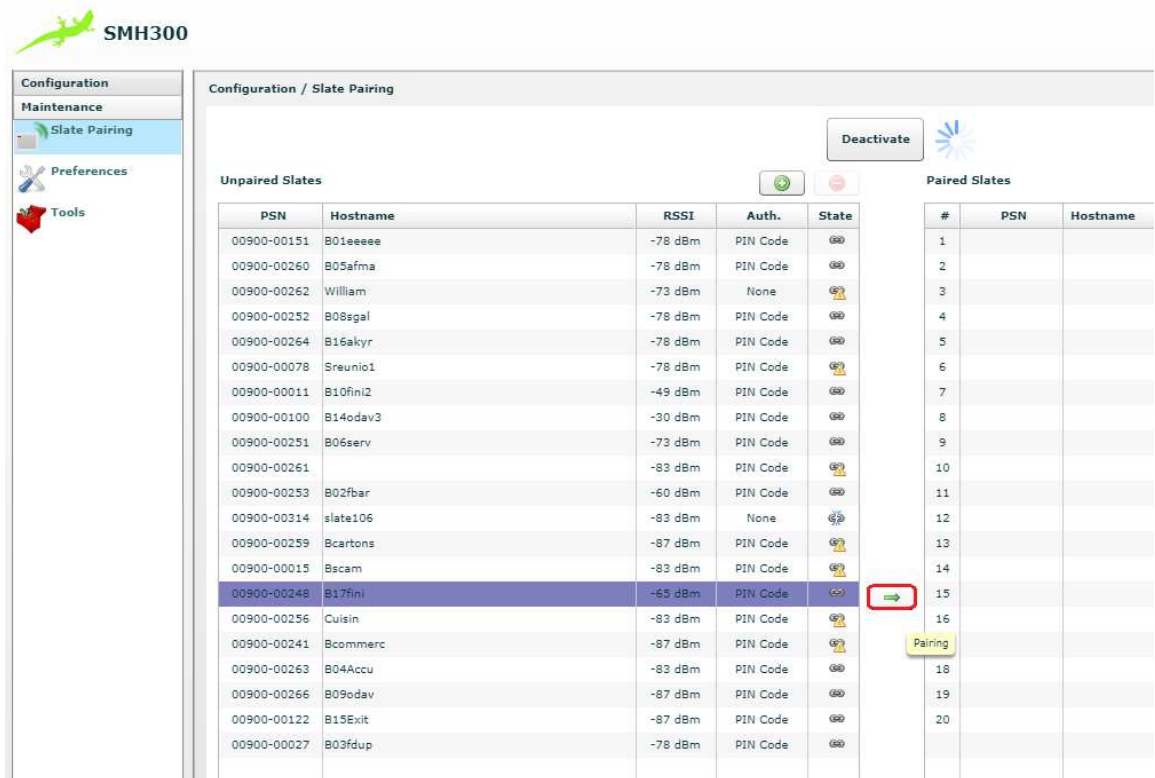
- **PSN** (Product Serial Number)
- **Hostname**: the name given to your device
- **RSSI**: Bluetooth Low Energy Receive Signal Strength Indication, in dBm
- **Auth.** indicates the authentication method for the connection
  - **PIN Code**: PIN Code is required
  - **None**: no PIN Code is required
- **State**: showing whether this SLATE106 device was configured for this SMA300, for another one, or never be paired
  - **Unpaired** : this device has never been paired before
  - **Paired**: the pairing configuration indicates that this device was paired to this SMH300
  - **Paired to another device**: the pairing configuration indicates that this device was paired to another SMH300





**B. Drop a slate in the list at the right (with the appropriate PIN code when required)**

To pair a slate (or pair again), you must select one (or several) SLATE106 device, and drop it on the right with the green arrow.  
Remind the ID number for this SLATE106 device which must match the same ID number in SignMeeting.



If a PIN Code is required to pair the SLATE106 device, enter the PIN code of its current configuration.



**Warning: if a wrong PIN code is entered, the drop is possible in the list at the right but the SLATE106 device pairing will never be successful**

The list on the right is showing

- “#”: the index of the SLATE106 device in the SMH300. This ID is used also by SignMeeting to address to good device.
- **PSN**: Product Serial Number of the SLATE106 device
- **Hostname**: SLATE106 device hostname, seen as Bluetooth device name. The hostname is taken into account when the state indicates that the configuration has been downloaded
- **RSSI**: BlueTooth Low Energy **R**eceive **S**ignal **S**trengh **I**ndication, in dBm
- **Connection quality**: internal connection quality level based on BLE connection success rate (last 10 connections)

|  |   |
|--|---|
|  | Very reliable and efficient BLE connection  |
|  | Reliable BLE connection (some connection error can be noticed sometimes)                                  |
|  | Not reliable BLE connection (can take more than 15 minutes to update content or fails to update content)  |
|  | No connection status after 3 hours means that the BLE connection with the SLATE106 device is not possible |

- **Auth.** : PIN Code or None
- **State:**
  - **Paired**
  - **Pairing in progress. The pairing of the Slate can take about 15 minutes**
- **Mode:**
  - indicates that “**test card**” is activated in this SLATE106 device configuration. Test card is displayed on SLATE106 devices (not supported in PictureFrame V1.10.10)
  - indicates that configuration sent to the SLATE106 device displays the SignMeeting content (instead of test card)



Note: you can press “**Unpairing**” button to delete some SLATE106 devices which are paired to your SMH300



C. Edit the configuration to send to the SLATE106 device

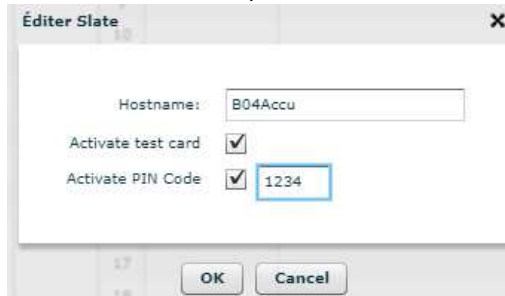
It is possible to edit and modify a STALE106 device pairing configuration by double clicking on the SLATE106 device on the list at the right or press button Edit

You can:

- ✚ modify the **Hostname** (free text of 8 characters given for the name of the SLATE106 device)
- ✚ **Activate test card:**
  - has to be ticked in installation mode (once this configuration is taken by the SLATE106 device, it does not stop advertising on the Bluetooth Low Energy Network) when a USB battery is plugged on the micro USB connector).

Permits also to display a test card on the SLATE106 (not supported on PictureFrame V1.10.10)

- o has to be unticked in normal behaviour (when installation is finished)



**Warning: if the "Activate PIN Code" is unticked while a PIN code is required before changing its configuration, the pairing will never be successful**

D. Wait for a while the time for the SLATE106 device to take its configuration

While 15 minutes maximum, this hourglass in "State" column does not keep turning

| State | # | PSN         | Hostname | RSSI | Connection quality | Auth.    | State | Mode |
|-------|---|-------------|----------|------|--------------------|----------|-------|------|
|       | 1 | 00900-00263 | B04Accu  |      |                    | PIN Code |       |      |

After the 15 minutes, the hourglass disappears meaning that the configuration has been taken by the SLATE106.

**The device SLATE106 is paired** (like shown below)

| State | # | PSN         | Hostname | RSSI    | Connection quality | Auth.    | State | Mode |
|-------|---|-------------|----------|---------|--------------------|----------|-------|------|
|       | 1 | 00900-00263 | B04Accu  | -78 dBm |                    | PIN Code |       |      |

*Note: If you want to shorten this pairing time, plug once and for 2 seconds an USB battery (with option "Test card" activated). In this case, this device should be paired very rapidly. While the USB battery is plugged, the connection between SMH300 and your other SLATE106 devices are not working properly. So Don't forget to unplug the USB battery after this rapid device pairing !*

E. Editing again configuration to deactivate testcard

- ⓘ Editing again the STATE106 device configuration requires to wait for a while (until 15 minutes) before it becomes paired again

- Set your personal “PIN code” if required (optional)
- Adjust “Hostname” if required
- Deactivate test card mode (untick “**Activate test card**”). The icon appears (instead of )

Deactivate

Paired Slates

| State | # | PSN         | Hostname | RSSI    | Connection quality | Auth.    | State | Mode |
|-------|---|-------------|----------|---------|--------------------|----------|-------|------|
|       | 1 | 00900-00263 | B04Acc   | -78 dBm |                    | PIN Code |       |      |

**Warning: you can request to change (or add or remove) a new PIN code only when the device has been paired.**

Éditeur Slate

Hostname:

Activate test card

Activate PIN Code

OK Cancel

By default, there is no PIN code on the SLATE106 device.

You can change the ID “#” of a SLATE106 device in the SMH300 ID list by clicking on a device and using up & down arrows

Deactivate

Paired Slates

| State | #  | PSN         | Hostname | RSSI    | Connection quality | Auth.    | State | Mode |
|-------|----|-------------|----------|---------|--------------------|----------|-------|------|
|       | 1  | 00900-00151 | B01eeee  | -78 dBm |                    | PIN Code |       |      |
|       | 2  | 00900-00253 | B02fbar  | -53 dBm |                    | PIN Code |       |      |
|       | 3  | 00900-00027 | B03fdup  | -78 dBm |                    | PIN Code |       |      |
|       | 4  | 00900-00263 | B04Acc   | -78 dBm |                    | PIN Code |       |      |
|       | 5  | 00900-00260 | B05afma  | -78 dBm |                    | PIN Code |       |      |
|       | 6  | 00900-00251 | B06serv  | -78 dBm |                    | PIN Code |       |      |
|       | 7  | 00900-00256 | B7Kitch  | -87 dBm |                    | PIN Code |       |      |
|       | 8  | 00900-00252 | B08sgal  | -73 dBm |                    | PIN Code |       |      |
|       | 9  | 00900-00078 | B09reuni | -83 dBm |                    | PIN Code |       |      |
|       | 10 | 00900-00011 | B10fini2 | -49 dBm |                    | PIN Code |       |      |
|       | 11 | 00900-00241 | B11sales |         |                    | PIN Code |       |      |
|       | 12 | 00900-00100 | B14odav3 | -30 dBm |                    | PIN Code |       |      |
|       | 13 | 00900-00122 | B15Exit  | -87 dBm |                    | PIN Code |       |      |
|       | 14 |             |          |         |                    |          |       |      |
|       | 15 |             |          |         |                    |          |       |      |
|       | 16 | 00900-00264 | B16akyr  | -78 dBm |                    | PIN Code |       |      |
|       | 17 | 00900-00248 | B17fini  | -60 dBm |                    | PIN Code |       |      |
|       | 18 | 00900-00015 | B18scam  | -87 dBm |                    | PIN Code |       |      |

F. Check connection quality

After 2 to 3 hours, connection quality is updated for all SLATE106.

|  |   |
|--|---|
|  | Very reliable and efficient BLE connection  |
|  | Reliable BLE connection (some connection error can be noticed sometimes)                                      |
|  | Not reliable BLE connection (can take much more than 15 minutes to update content or fails to update content) |

No connection status after 3 hours means that the connection BLE with the SLATE106 device is not possible

It is possible to get rapidly the quality connection status by

- Setting back the option **Activate test card** on a SLATE106 device
- Plugging an USB battery on the SLATE106 device for 2 minutes

If installed too far from the SMH300, or hidden behind some thick walls, some device could stay unpaired. Before moving place of your device, double check that the SMH300 can be paired when it is placed close to the SMH300. Remember that when connection quality is orange or red, the content update time is longer.

Desactiver

Slates appairés

| État | #  | PSN         | Hostname | RSSI    | Qualité connexion                     | Auth.    | État | Mode |
|------|----|-------------|----------|---------|---------------------------------------|----------|------|------|
|      | 1  | 00900-00151 | B01eEEEE | -83 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 2  | 00900-00253 | B02fbar  | -60 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 3  | 00900-00027 | B03fdup  | -83 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 4  | 00900-00263 | B04Acc   | -78 dBm | <span style="color: orange;">■</span> | Code PIN |      |      |
|      | 5  | 00900-00260 | B05afma  | -73 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 6  | 00900-00251 | B06serv  | -69 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 7  | 00900-00256 | B7Kitch  | -87 dBm | <span style="color: red;">■</span>    | Code PIN |      |      |
|      | 8  | 00900-00252 | B08sgal  | -73 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 9  | 00900-00078 | B09reuni | -83 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 10 | 00900-00011 | B10fini2 | -49 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 11 | 00900-00241 | B11sales | -30 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 12 | 00900-00100 | B14odav3 | -87 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 13 | 00900-00122 | B15Exit  | -87 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 14 | 00900-00266 | B09odav  | -78 dBm | <span style="color: orange;">■</span> | Code PIN |      |      |
|      | 15 |             |          |         |                                       |          |      |      |
|      | 16 | 00900-00264 | B16akyr  | -83 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 17 | 00900-00248 | B17fini  | -60 dBm | <span style="color: green;">■</span>  | Code PIN |      |      |
|      | 18 | 00900-00015 | B18scam  | -83 dBm | <span style="color: red;">■</span>    | Code PIN |      |      |
|      | 19 |             |          |         |                                       |          |      |      |
|      | 20 |             |          |         |                                       |          |      |      |

Warning: the list of all quality connection status is not kept after a SMH300 reboot.

G. Once the devices are installed, set the SMH300 into normal behaviour by pressing “Deactivate”

Deactiver

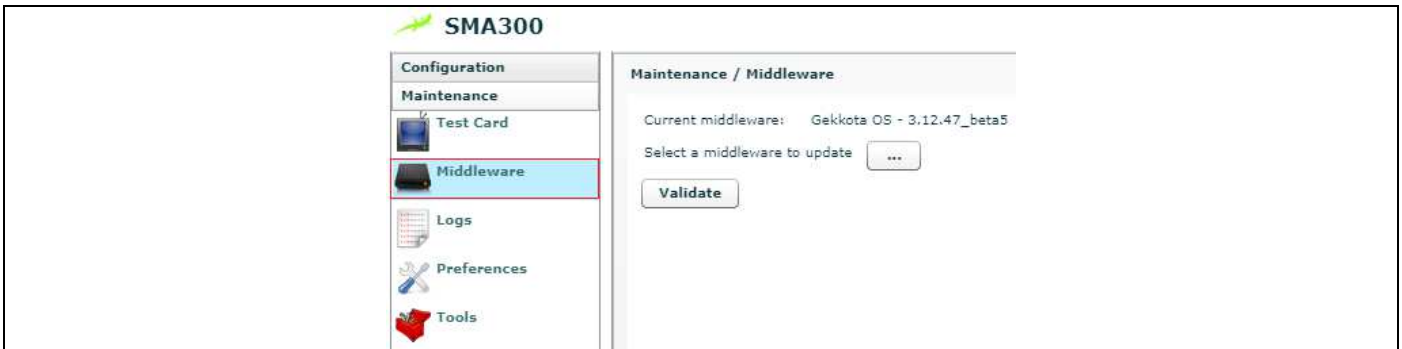
Press the button

to get the interface of the SMH300 in nominal behaviour to get content from Screen Composer

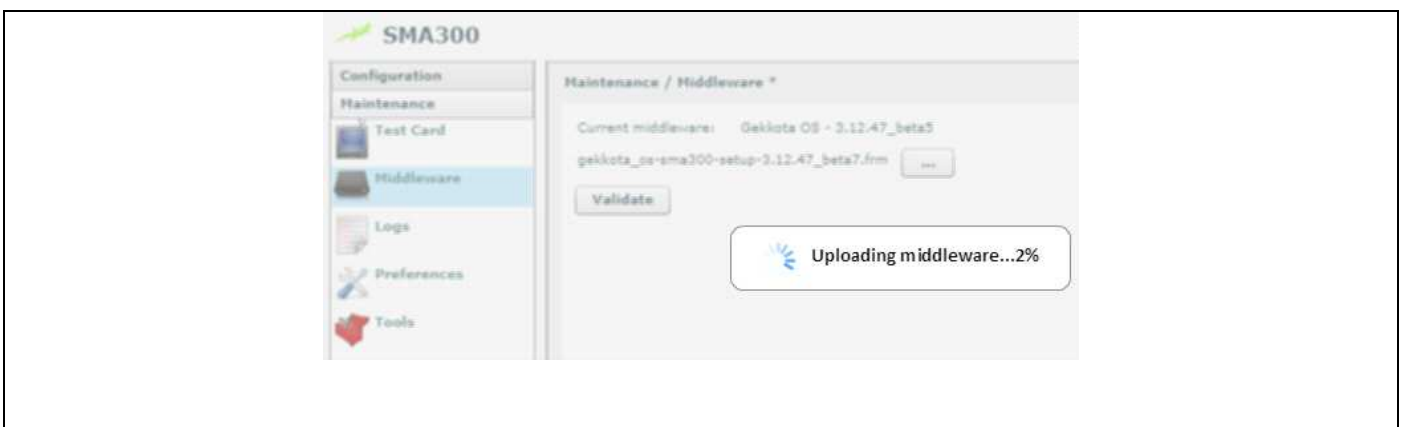
- You can publish a new content with Screen Composer

### 4.3.3 Middleware

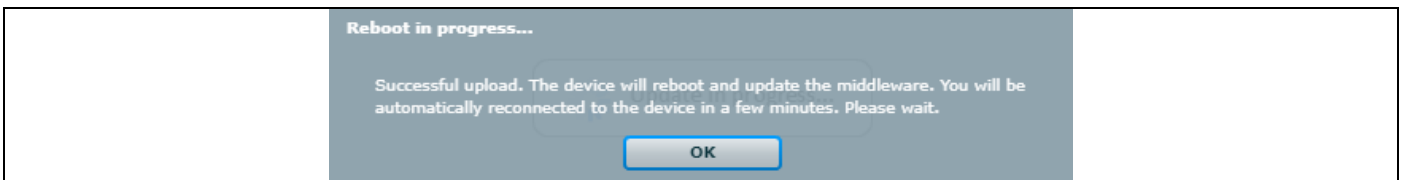
The interface “**Middleware**” permits to upgrade the device directly from the WebUI



After having selected a middleware to update, press validate to immediately launch the middleware upgrading. A screen appears indicating the file uploading progression in percent.



When this screen appears, the file download has completed.



Now wait for a while (about 5 minutes), the time for the device to be properly upgraded.

The middleware upgrade has completed when the green led is blinking every 4 seconds.

**Never unplug the power supply when the green led is continuously displayed**

### 4.3.4 Logs

The interface “**Logs**” permits to activate some middleware debug log when required by Innes help-desk.

The default log name suggested are app and widget. For more information about the log, contact [support@innes.fr](mailto:support@innes.fr)

For device nominal behaviour, the default values are:

- Log Level = “**OFF**”
- **Activate traces of undeclared categories** = not ticked



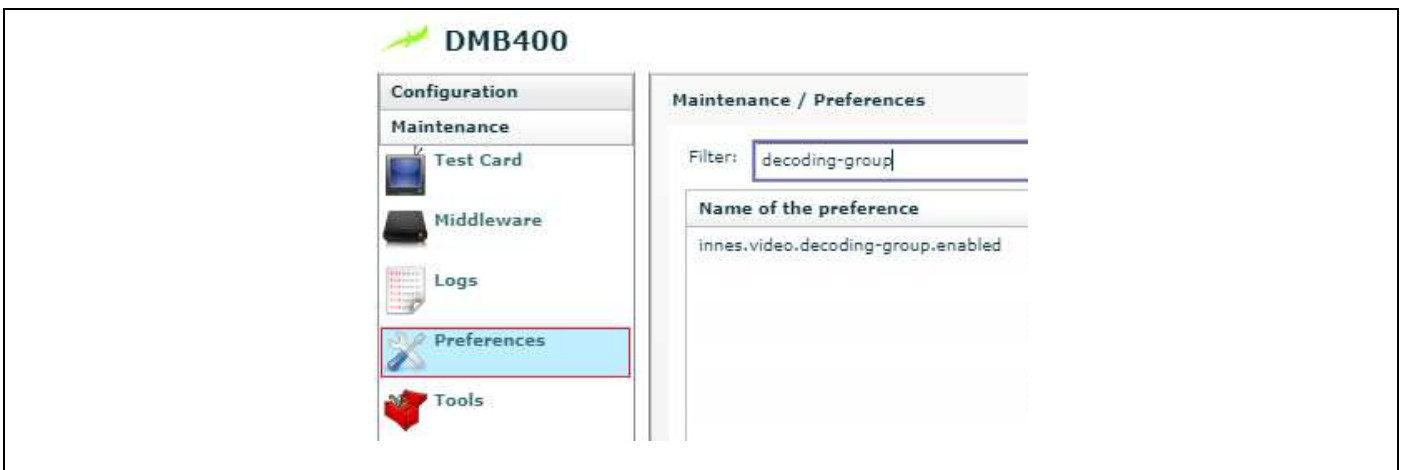
### 4.3.5 Preferences

The interface “**Preferences**” permits to change Gekkota preferences.

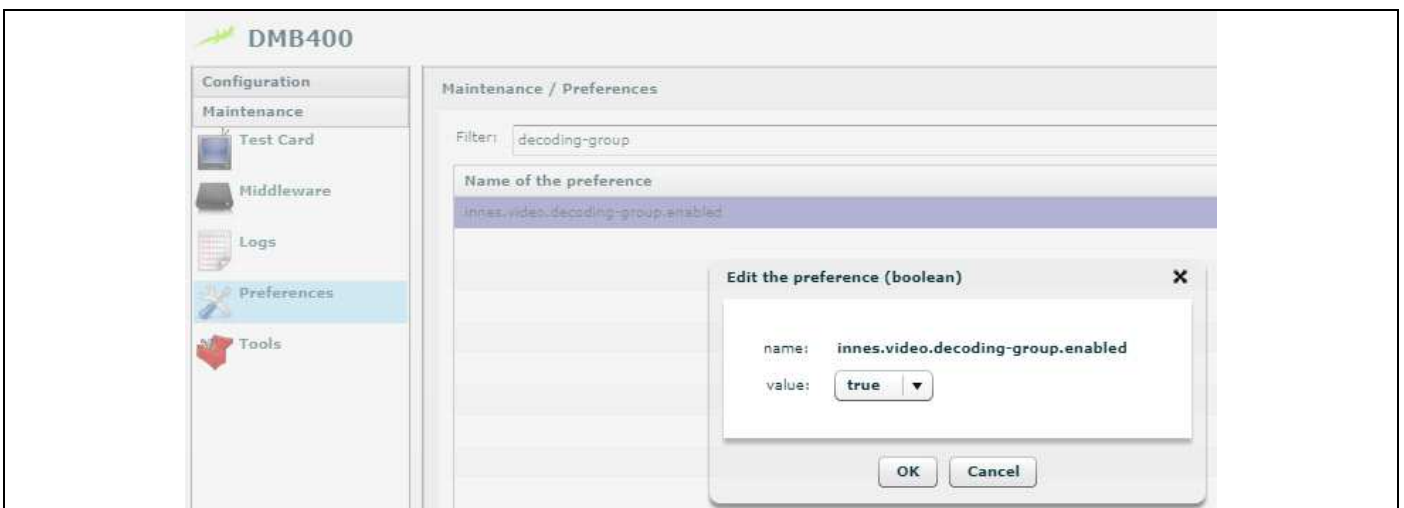
Use the **filter** to only display the preferences whose the name is containing the key word entered and look at its value (or modify it).

**Caution: it is not advised to change user preferences except if recommended by Innes help-desk.**

The button “**Restore factory preferences**” permits to restore the preferences values as they were when the product has been built and qualified in production



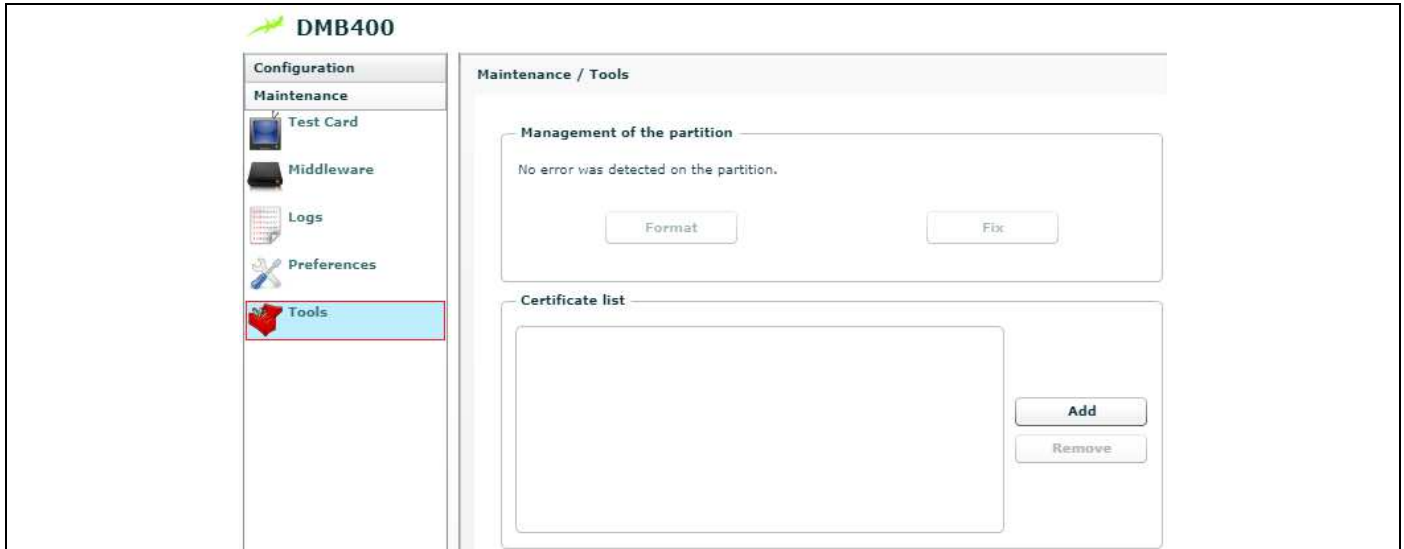
Double click on the preference to edit it



### 4.3.6 Tools

This interface permits to

- Request a SD card partition “formatting” (**Format**) or “repairing” (**Fix**).  
*Note: The button **Format** of **Fix** are available when error on SD card file system has been detected by the device itself (or when file system format is not compatible). Typically, when a SD card FAT32 is inserted, these buttons are available*
- Add one or several certificate required to access to some Web site or some Web server (https)





## 4.4 Information

### 4.4.1 General

This interface permits to display information on the device

- **Firmware version:** version of embedded software “Gekkota” running on the device.  
*Note: This software Gekkota can be upgraded or downgraded. Different release are available on Web site <http://www.innes.pro/fr/support>.*
- **Model:** device type (DMB300, SMA300, DMC200, SMT210, MS-Windows)
- **MAC:** MAC address of the first network interface of the product
- **UUID:** Universal Unic Identifier
- **SN:** serial number affected when the hardware product has been built



### 4.4.2 Network

This interface is permitting to display information on all the network interfaces of the device.

- **LAN1**
  - **MAC address**
  - **IPV4 address**
  - **IPV6 address**
  - **Default Gateway**
  - **State**
    - The state “disabled” means that the interface is not working properly
  - **DNS servers**
- **WLAN1**
  - **MAC address**
  - **IPV4 address**
  - **IPV6 address**
  - **Default Gateway**
  - **State**
    - The state “disabled” means that the interface is not working properly
  - **DNS servers**
- **Delivery, status and installation servers\***
  - **Delivery server (G2) or (G3):** corresponding to PlugnCast version 2 (or version 3) URL
  - **Heartbeat:** periodicity of connection to PlugnCast server
  - **Status server:** display the Status server URL
  - **Softwares and configurations installation server:** display the URL of the Softwares and configurations installation server

*\*configuration Plugncast only*

**SMA300**

**Configuration**  
**Maintenance**  
**Information**  
 General  
**Network**

**Information / Network**

**Delivery, status and installation servers:**

Delivery server (G3) : http://192.168.1.17:8080/.frontals/.webdav/demo.plugncast.com/ Heartbeat: 00h 01min  
 Status server : http://192.168.1.17:8080/.frontals/.webdav/demo.plugncast.com/.device-status/ Heartbeat: 00h 01min  
 Softwares and configurations installation server : http://192.168.1.17:8080/.frontals/.webdav/demo.plugncast.com/.setup/ Heartbeat: 00h 01min

**NTP time server**

NTP Server:

**LAN1**

MAC address: 00-1C-E6-02-1E-45  
 IPv4 address [auto]: 192.168.1.171/17  
 IPv6 address: fc00::21c:e6ff:fe02:1e45/64  
 Default gateway [auto]: 192.168.0.1  
 State: Enabled  
 DNS Servers:

**WLAN1**

MAC address: 00-19-88-46-7A-9B  
 IPv4 address: 192.168.1.206/17  
 IPv6 address: fc00::219:88ff:fe46:7a9b/64  
 Default gateway: 192.168.0.1  
 State: Enabled  
 DNS Servers:

### 4.4.3 Screens

This interface permits to display EDID value of the screens connected to the device.

- Connected :
  - Ex :
    - **Connector name** : HDMI OUT
    - **MCCS connector label** : (hdmi2)
- EDID : EDID value

**DMB400**

**Configuration**  
**Maintenance**  
**Information**  
 General  
 Network  
**Screens**

**Information / Screens**

**Screen #1**

Connected: on HDMI OUT (hdmi\_2)

EDID: 00 FF FF FF FF FF FF 00 4C 2D D3 0C 44 58 4D 30 29 19 01 03 80 34 1D 78 2A 12 55  
 A9 54 4D 9F 25 0C 50 54 BF EF 80 71 4F 81 00 81 C0 81 80 95 00 A9 C0 B3 00 01 01  
 08 E8 00 30 F2 70 5A 80 B0 58 8A 00 09 25 21 00 00 1E 00 00 00 FD 00 18 4B 1E 87  
 3C 00 0A 20 20 20 20 20 00 00 00 FC 00 55 32 34 45 35 39 30 0A 20 20 20 20  
 00 00 00 FF 00 48 54 50 47 41 30 30 30 31 33 0A 20 20 01 F7  
 02 03 32 F0 4B 61 12 03 13 04 20 22 1F 10 5F 60 23 09 07 07 83 01 00 00 6D 03 0C  
 00 20 00 80 3C 20 10 60 01 02 03 67 D8 5D C4 01 78 80 03 E3 0F 01 04 02 3A 80 18  
 71 38 2D 40 58 2C 45 00 09 25 21 00 00 1E 02 3A 80 D0 72 38 2D 40 10 2C 45 80 09  
 25 21 00 00 1E 01 1D 00 72 51 D0 1E 20 6E 28 55 00 09 25 21 00 00 1E 56 5E 00 A0  
 A0 A0 29 50 30 20 35 00 09 25 21 00 00 1A 00 00 00 00 00 5F

