

Device Web UI User guide

Gekkota G3/G4

October 2017 Version 001M



1	Introduction	3
2	Version Gekkota	3
3	Pre-requisite	3
4	Device WebUI	3
	4.1 WebDAV directory	5
	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
	4.2 Configuration screen	10
	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/Cl over HDIMI (of any other video connector)	37
		57
	4.3 Maintenance	38
	4.3.1 lest card	38
	4.3.2 Slate paring (only SMH300)	40
	4.3.3 IVIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	46
	4.3.4 LOGS	46
	4.3.5 FIElefelles	4/
	4.3.0 10015	48
	4.4 Information	49
	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.



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 <u>http://[fc00::21c:e6ff:fe02:14e5]/.admin/</u>. 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



Name	Last modified	Sizo
<u>.vante</u>	Last mounted	SILE
Directory of l	ogs -	-
e i.admin/		2
extension/	9 <u>2</u> 8	8
<u>log/</u>		5
		-
resources/	140	2
	726	8
		5
.upnp/	-	-
favicon.ico	Sep 8, 2017, 9:18:00 AM	48.1 Kio



4.1 WebDAV directory

4.1.1 .playout/ (default)

The WebDAV default directory is /.playout/

4.1.1.1 Playout content (no co	ntent)			
	🕹 Index of	f /.playout/	-	
	Name	Last modified	Size	
	Directory of logs Parent directory	-	-	
	manifest.xml	Sep 8, 2017, 3:35:33 PM	631 o	
	Administration consol	<u>le</u>		

4.1.1.2 Playout content after Screen Composer publication

Lindex Name	of /.playout/	
Name	Last modified	
Directory of 1	Last mounied	Size
	ogs -	-
Parent directo	ny -	-
	-	-
.models/	-	-
scripts/	-	-
manifest.xml	Sep 8, 2017, 4:05:41 PM	10.8 Kio
📁 player.xpf	Sep 8, 2017, 4:05:43 PM	6.2 Kio
<>> variables.xml	Sep 8, 2017, 4:05:40 PM	75 o
Name	OI /.playout/	Size
	0.055	-
Directory of 1	<u></u>	
Directory of Parent director	ny -	-
Directory of Parent director medias/	ny -	-
 Directory of Parent directo medias/ scripts/ 		-
 Directory of Parent director <u>medias/</u> <u>.scripts/</u> _styles/ 		-
 Directory of Parent director medias/ scripts/ styles/ styles/ 	ту - - - Sep 8, 2017, 3:39:49 РМ	- - 8.7 Kio
 Directory of Parent director 	Sep 8, 2017, 3:39:49 PM Sep 8, 2017, 3:39:49 PM	- - - 8.7 Kio 22.6 Kio
 Directory of Parent director .medias/ .scripts/ .styles/ 	- <u> </u>	-



The WebDAV directory /.Playout/ is containing

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

Others	
*	Permit to download the entire playout from the Gekkota device to your computer as ".tar.gz" archive
Directory of logs	Short cut to .log directory
Parent directory	Short cut to Web DAV parent directory
Administration console	Short cut to device configuration Web page Clicking on this link permits to go to /.admin/ WebDAV directory

Note: in PlugnCast G3 configuration, the filename pattern for device.xpf (Gekkota3) or device.html (for Gekkota4) and variables.xml is to add identification method (MAC, Hostname, od 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 playout file system should be:

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

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



4.1.2 .status/

Permits to access to the device status <u>status.xml</u> 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 <u>Gekkota application note XML status</u>.

4.1.3 .log/

Permits to display the device log page

	Name	Last modified	Size	
	Parent directory	8	-	
	.configuration/	8	2	
	? <u>delivery-software.log</u>	Sep 8, 2017, 11:24:52 AM	11.4 Kio	
	? gekkota-container.log	Sep 8, 2017, 11:26:13 AM	0 0	
	? gekkota-nouac.log	Jun 16, 2017, 2:01:46 PM	0 0	
	? gekkota.log	Sep 8, 2017, 11:26:05 AM	0 0	
	? playzilla-container.log	Mar 6, 2015, 9:40:32 AM	0 o	
	? playzilla.log	Mar 6, 2015, 9:40:06 AM	0 0	
Gekkota eLinux	Administration console			
Gekkota eLinux	Administration console)g/	Size	
Gekkota eLinux	Administration console)g/ Last modified	Size	
Gekkota eLinux	Administration console	og/ Last modified	Size	
Gekkota eLinux	Administration console)g / <u>Last modified</u>	<u>Size</u>	
Gekkota eLinux	Administration console	Last modified Last modified	<u>Size</u> - 8.7 Kio	
Gekkota eLinux	Administration console	Last modified Log Sep 7, 2017, 9:19:47 AM Sep 8, 2017, 9:33:24 AM	<u>Size</u> 8.7 Kio 34 Kio	
Gekkota eLinux	Administration console	Last modified Log Sep 7, 2017, 9:19:47 AM Sep 8, 2017, 9:33:24 AM Sep 8, 2017, 3:13:54 PM	<u>Size</u> - 8.7 Kio 34 Kio 0 o	
Gekkota eLinux	Administration console	Last modified Last modified Llog Sep 7, 2017, 9:19:47 AM Sep 8, 2017, 9:33:24 AM Sep 8, 2017, 3:13:54 PM Sep 8, 2017, 1:58:47 PM	<u>Size</u> - 8.7 Kio 34 Kio 0 o 0 o	



.configuration/	Directory containing the <u>log4xpcom.xml</u> , configuration file to activate DEBUG/ERROR log (some of them could be activated by the support if required)
	Lindex of /.log/.configuration/
	Name Last modified Size
	Directory of logs
	Parent directory
	log4xpcom.xml Sep 8, 2017, 9:18:00 AM 1.7 Kio
	Administration console
	Note the log can be activated also with the WebUI menu:
	Maintenance / Logs
delivery-software_patch.log	File containing the status of patch installation operation
delivery-software.log	File containing the status of software upgrading operation
gekkota.log	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)

Configuration	Configuration / Administrat	tor		
Administrator				
Lan IP, netmask	Hostname:	SMA300		
WLan IP, netmask, security	Identification method:	(MAC •		
orde pirr, apr		1		
Size, frequence	Administrator name: Password:	admin ****	B	
Servers media, dns, ntp	Confirm Password:	10 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	(%)	
Date and time	Validate			
Regionality language				
\$() ^{Variables}				
Extension				
Maintenance 🛛				
Information				
(

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 1
- Maintenance 2
- Information 3
- **Reboot the device 1**: 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
 - o English
 - o Español
 - Deutsch (RFU => fail over => English)

After a Web browser refresh (press F5), the default language selected is: Français

- Device type 6: value automatically displayed depending on the device being configured
 - o DMB400
 - o DMB300
 - o DMC200
 - o SMA300
 - o SMT210
 - o SMP200
 - o SMA200
 - EEEBOX
 - o LCAN
 - o 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

💛 DMB30	0	
Configuration	Configuration / Output(*)	
Administrator	Choose the video output type:	
Lan IP, netmask	HDMI	•]

4.2.1 Language

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

- Français
- English
- o Espagnol
- o Deutsch



4.2.2 Administrator

This interface permits to set:

- Hostname
- Identification method:
 - o MAC
 - o UUID
 - o Hostname

Note this identification method is used when the device in registered in PlugnCast G3

- 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 playout.
- **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 playout
- **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:

Configuration	Configuration / Lan *			
Administrator	Obtain IP address automatically by DHCP:			
Lan IP, netmask	Pause between packets: 5 🔺 seconds			
WLan IP, netmask, security	Number of connection attempts:			
wWan code pm, spn	• Use the following IP address:			
Output	IP address: 10.169.129.203			
size, frequence	Subnet mask: 255.255.0			
Servers media, dns, ntp	Obtain default gateway automatically by UPnP IGD			
License	Default gateway: 10.169,129.1			
Date and time	IGMP: V2 V3			
¢() Variables	Forther sporter provider states only particular			
ΨU	Dorups 128Kops 200Kops DIZKops IMops 2Mops 5Mops 10Mop			
Extension	6			

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
 - o IP address
 - o Subnet mask
 - o Default gateway
 - The option Obtain default gateway automatically by UPnP IGD can be activated if your network is supporting UPnP IGD
- IGMP *
 - o **V2**
 - o **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 <u>support@innes.fr</u> 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):

Configuration	Configuration / WLan			
Administrator	Enabled Obtain IP addres Otse the following	s automatically by DHCP:) IP address:		
WWan	IP address:	192,168,1,206		
Code pin, april.	Subnet mask:	255.255.128.0		
size, frequence	Default gateway:	192.168.0.1		
Servers media, dns, ntp				
License	SSID:	Innes		
Date and time	Connection mode:	Infrastructure Adhoc		
\$[] Variables	Kev:	None	MDL Y	
Extension		WEP		
		WPA-PSK		
		WPA2-PSK		
		Key (8 to 63 ASCII characters or 64	4 hexadecimal characters):	******
	IGMP: OV2 🕢	V3		. <u> </u>

The WLAN network interface is a hardware option (WIFI chipset + antenna) embedded when ordering a device. Please contact 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)
 - o 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
 - o pairwise=TKIP
 - O group=TKIP
 - o key psk
 - WPA2-PSK: in case WPA2 WIFI key is required



- o pairwise=CCMP
- o group=CCMP
- o key psk

Key: when required enter the WIFI key

o 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):

Configuration	Configuration / WWan
	✓ Enabled
IP, netmask WLan IP, netmask, security	PIN: ****
wWan code pin, apr	
Output size, frequence	Validate

The WWAN network interface is a hardware option (card + antenna) embedded when ordering a device. Please contact 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 C)S
---------------	----

figuration	Configuration / Output *	
Administrator	Choose the video output type:	- Rotation:
Lan IP, netmask	(HDMI V	 0°
WLan	Choose the configuration screen:	
WWan	(1920x1080 60Hz SMPTE (1080p)	V width
code pin, spn Output	Choose the audio output type:	
size, frequence	HDMI V	
media, dns, ntp	Choose the volume:	MAD (8) (15 509 do: 40 de
License	0% 100%	
Date and time		○ 180°
Regionality	I√ Overscan	
Variables	O 720p SMPTE (1184x666)	
Extension	0 1080p SMPTE (1776×1000)	
	• Custom	
	X: 0 Y: 0	
	Width: 1920 Height: 1080	
	Validate	
e : In Gekkot kota4 : DMB400	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator Lan IP, netmask	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator Lan IP, netmask WLan IP, netmask, security	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator Lan IP, netmask WLan B, netmask, security WVan code gin, epn	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator Lan IP, nemask WLan IP, nemask, security WVan code pin, apin Output size, frequence	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator Lan IP, netmaski WLan IP, netmaski WLan iP, netmaski WWan code oh, apn Output size, frequence Servers media, dis, ntpl	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkod kota4 : DMB400 figuration Administrator Lan IP, netmask WLan IP, netmask WVan code pin, epin Servers media, dns, ntpl License	a3, VESA DPMS protocol is always used when set	Rotation: 0° 270° 10° ywidth 90°
e : In Gekkot kota4 : DMB400 figuration Administrator Lan IP, netmask WLan IP, nemask. security WVan code on, apn. Output size, frequence Serves media, dos, ntp License Date and time	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkod Kota4 : DMB400 Figuration Administrator Lan IP, nemask WUan IP, nemask. security WWan code aim, epin Output size, frequence Servers media, dis, ntp License Date and time Regionality	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkot kota4 : DMB400 figuration Administrator Lan IP, netmask WLan IP, netmask WLan IP, netmask WWan code ph, apn. Output size, frequence Serves media, drs, ntpl License Date and time Regionality language Variables	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkod kota4 : DMB400 figuration Administrator Lan IP, netmask WCan IP, netmask WVan code off, apn Output size, frequence Servers media, dns, ntp License Date and time Regionality language Variables	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkod kota4 : DMB400 figuration Administrator Lan IP, netmask WLan IP, netmask WLan IP, netmask WVan code an apn Output size, frequence Servers media, dns, ntpl License Date and time Regionality language Variables Extension	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkod Kota4 : DMB400 figuration Administrator Lan IP, netmask WLan IP, netmask WLan IP, netmask WLan IP, netmask WLan IP, netmask Securers Servers Servers Date and time Regionality Ianguage Variables Extension AV Command Ehernet, DDC/CL	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkod kota4 : DMB400 figuration Administrator Lan IP, nemask WUan IP, nemask WUan Cod put Size, frequence Servers media, dns, nsp License Date and time Regionality language Variables Extension AV Command Ethernet, DDC/CI	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.
e : In Gekkod kota4 : DMB400 figuration Administrator Lan IP, nemask WUan IP, nemask WUan Cod put Size, frequence Servers media, dns, nsp License Date and time Regionality language Variables Extension AV Command Ethernet, DDC/CI	a3, VESA DPMS protocol is always used when set	tings the monitor in standby mode.

 Gekkota RT



Administrator Image: Security with the secure security with the security with the security with the secure se	Administrator Image: Servers media, dns, ntp Ima	Configuration	Configuration / Output *
Size, mequence 0 Height: 0 Servers media, dns, ntp Validate 0 License O Date and time	Regionality	Administrator Administrator Lan IP, netmask WUan IP, netmask, secunty WWan code pin, apn. Servers media, dns, ntp License Conse	Configuration / Output * Overscan 720p SMPTE (1184x666) 1080p SMPTE (1776x1000) Custom X: 0 Yi 0 Width: 0 Height: 0 Validate

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

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

- Totem
- Monitor (or TV set) turned 90°
- *D* 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" 0
 - "112x96 60Hz" 0
 - "128x96 60Hz" 0
 - "640x480 60Hz" 0
 - "800x600 60Hz VESA" 0
 - "1024x576 60Hz VESA" 0
 - "1024x576 50Hz VESA" 0
 - "1024x600 60Hz DENSITRON 84-0188-001T" 0
 - "1024x768 60Hz VESA" 0
 - "1024x768 60Hz XGA" 0
 - "1280x720 60Hz VESA" 0
 - "1280x720 50Hz VESA" 0
 - "1280x720 60Hz SMPTE (720p)" 0
 - "1280x720 50Hz SMPTE (720p)" 0
 - "1280x720 60Hz CEA" 0
 - "1280x720 50Hz CEA" 0
 - "1280x720 60Hz SONY" 0
 - "1280x720 60Hz SAMSUNG" 0
 - "1280x720 60Hz CGV CPLine AV-HD" 0
 - "1280x720 60Hz CEA-861" 0
 - "1280x720 50Hz CEA-861" 0
 - "1280x768 60Hz VESA" 0
 - "1280x768 50Hz VESA" 0
 - "1280x800 60Hz VESA" 0
 - "1376x768 60Hz VESA" 0
 - "1376x768 50Hz VESA" 0
 - "1376x768 60Hz PC" 0
 - o "1920x1080 50Hz VESA"
 - "1920x1080 60Hz VESA" 0
 - "1920x1080 50Hz CEA" 0
 - "1920x1080 60Hz CEA" 0
 - "1920x1080 50Hz SMPTE (1080p)" 0
 - "1920x1080 60Hz SMPTE (1080p)" 0
 - "1920x1080 60Hz CEA-861" 0
 - "1920x1080 50Hz CEA-861" 0
 - "2560x1440 60Hz CEA-861" 0
 - "3840x2160 59.94Hz" 0
 - "3840x2160 50Hz VESA" 0
 - "3840x2160 60Hz CEA-861" 0
 - "3840x2160 50Hz CEA-861" 0
 - "3840x2160 30Hz CEA-861"
 - 0
 - "3840x2160 25Hz CEA-861" 0

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)
 - o **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)
 - o 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,

• A 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



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

o Landscape









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.

Configuration	Configuration / Slate Pairing					
Administrator						
	# PSN	Hostname				
IP. netmask	1 00900-00100	Hostnam1				
() WLan	2 00900-00248	Hostnam3				
IP, netmask, security	3					
WWan	4 00900-00151					
Code pin, april	5 00900-00260					
slates	6 00900-00261					
Servers	7 00900-00256					
🕍 media, dns, ntp	8 00900-00252					
License	9 00900-00078					
Date and time	10					
CO Date and time	11 00900-00241					
Regionality	12					
Vanguage language	13 00900-00122					
\$() Variables	14 00900-00266					
Extension	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

Delivery, status and installation	n servers: 🍃 Modify			1
Delivery server (G3) : http:/	//192.168.1.17:8080/.fronta	ls/.webdav/demo.plugncast.con	n/ Heartbeat: 00h 01min	
Status server : http://192.16	8.1.17:8080/.frontals/.web	dav/demo.plugncast.com/.devic	a-status/ Heartbeat: 00h 01min	
Softwares and configurations	installation server : ht	:p://192.168.1.17:8080/.frontal	s/.webdav/demo.plugncast.com/.setup/ H	eartbeat: 00h 01min
	rakoranteksen mereksene. Toa			
NS Servers:				
Obtain DNS server address a	automatically			
 Use the following DNS serve 	r address:			
Preferred DNS server:	8.8.8.8			
Alternate DNS server:	8.8.8.4			
Suffixes DNS :	dns_suffix			
	Exemple: my.intranet,	my.isp.com		
NTP time server				
NTD Server:	fr.pool.ptp.org			
Maximum number of tries:				
laximum waiting time for each try:	2 seconds			
	<u> </u>			
Proxy servers				
 Manual proxy configuration 	on:			
HTTP Address:		Port: 8080		
Username:	ñ	Password:	Ø	
Francisco Automotion F				
HTTPS Address:	-	Mort: 8080		
Username:		Password:	Ø	
FTP Address:		Port: 8080		
Username:		Password:	Ø	
221520202020202020				
No proxy for:		ares and configurations installa	tion server	
No proxy for:	Status conver Softy	The second	CION SELVEN	
No proxy for:	Status server Softv			



4.2.7.1 Configuration > Server

• Configuration > Server

o Delivery, status ans installation servers / Button Modify

Delivery, status and installation servers

- 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

livery, status a	nd installation servers
O Manual Con	figuration O Generation 3 Server Configuration • Generation 2 Server Configuration
URL:	http://192.168.0.3/plugnCast/
Heartbeat:	00 h v 01 min v
	ОК СапсеІ

- To work with PlugnCast G3
 - Select Configuration serveur Génération 3
 - URL : URL of your PlugnCast G3 frontal where the device is registered
 - o 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

) Manual Cor	ifiguration • Generation 3 Server Configuration • Generation 2 Server Configuratio
URL:	http://192.168.1.17:8080/.frontals/.webdav/demo.plugncast.com/
Heartbeat:	00 h v 01 min v
Username:	admin Password: ****** 🛷

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

- **Ev** \cdot 10 min

- Unselect Deliver server
- Unselect Softwares and configuration installation server
- Select status server
- URL : URL of your WebDAV serveur
 - o 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

	figuration	0	Generation	3 Sen	ver Configu	ration C	Generation	n 2 Server C	onfigurati
Delivery	server –								
🔘 Generat	ion 2								
			v 01 n		T.				
Generat	ion 3								
UR	Li http:	//192.	168,1.17,80	980/\fr	ontals/.web	dav/demo.p	lugncast.com	m/	
Heartbe	t: 00	h	* 01 n	nin	-		1995 - 1995 - 1997 - 1996 - 1997 - 1996 - 1997 -		
lisemen	ei adm				Passwo	rd:			at .
	ur juuri								42
- ✓ Status s URL:	http://19	92,168.	1,17:8080/	.fronta	als/.webdav	/demo.plugi	cast.com/.d	levice-sta	
Heartbeat:	00 h	•	01 min	•					
	admin				Password:	******		4	>
Username:									10
Username:	es and so	afigure	tions inst	Ilatio	n canvas				
Username: - 🗌 Softwar	es and co	nfigura	ations insta	allatio	n server				
Username: - Softwar URL:	es and co	nfigur a 92.168	ations insta 1.17:8080/	allatio	in server	/demo.plugi	cast.com/.s	etup/	
Username: - Softwar URL: Heartbeati	es and co http://13	nfigura 92.168	1.17:8080/ 01 min	allatio fronta	n server	/demo.plugi	icast.com/.s	etup/	
Username: - Softwar URL: Heartbeat: Username:	http://13	nfigura 92.168 •	1.17:8080/ 01 min	fronta	n server - ds/.webdav Passwordt	/demo.plugi	cast.com/.s	etup/	2

- To change your default Software installation server (URL of your serveur 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
 - o URL : URL of your WebDAV server for software version hosting
 - o 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

- o Delivery, status and installation servers / Delivery server: recap of the configuration
- o 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

Configuration	Configuration / Server *
Administrator Lan IP, netmask WLan IP, netmask, secunty WWan code pin, apr Output size, frequence Servers media, dns. nto	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: O Obtain DNS server address automatically
C License	• Use the following DNS server address:
	Preferred DNS server: 8,8,8,8
Date and time	Alternate DNS server: 8,8,8,4
Regionality	Suffixes DNS : dns_suffix
V language	Exemple: my intranet: my ich com

- DNS Server
 - **o** Obtain the DNS server address automatically
 - **o** 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://<mark>support</mark>.innes.pro/plugnCast/
 - o can be replaced by
 - URL : http://support/plugnCast/
 - DNS Suffixe : innes.pro

4.2.7.3 NTP Time server

Administrator	— Delivery, status and installation servers: Modify
WLan IP, netmask, security	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
Output size, frequence	DNS Servers:
Servers	Obtain DNS server address automatically
🔀 media, dns, ntp	Use the following DNS server address:
() License	Preferred DNS server: A.B.B.B.
Date and time	Alternate DNS server: 0 0 0 4
Regionality	Suffixes DNS : dns_suffix
🥙 language	Exemple: my intranet, my isp.com
() ^{Variables}	▼ NTP time server
Extension	NTP Server: fr.pool.ntp.org
	Maximum number of tries: 9
	Maximum waiting time for each true



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.

A 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 me automatic update. Example for MS-Win	enu is not supported on Gekkota R dows 10 :	T WebUI because the system MS-Windows manages already clock
	🔅 HEURE ET LANGUE	
	Date et heure	Date et heure
	Région et langue	17:24, vendredi 8 septembre 2017
	Voix	Régler l'heure automatiquement
		Activé

4.2.7.4	Proxy server

onfiguration	Configuration / Server	*		
Administrator		NTP Serveri Topoolutipio		
Lan	Maximum our	nber of tries:		
IP, netmask	Maximum waiting time	for each try: sec	onds	
IP, netmask, security				
WWan	✓ Proxy servers			
code pin, epn	Manual proxy	y configuration:		
size, frequence	НТТР	Address:	Port: 8080	
Servers		Username:	Password:	Ø
License	HTTPS	Address:	Porti 8080	
Date and time		Username:	Password;	Ø
Paninality	FTP	Address:	Port: 8080	
Janguage		Username:	Password:	Ø
() ^{Variables}	No proxy for:			
Extension	Deliv	very server 🔄 Status serve	er 📃 Softwares and configurations installation	n server
	Others:	localhost, 127.0.0.1		
		Example: .innes.pro, 19	2.168.0.1/24	
aintenance	O Automatic pr	oxy configuration URL:		

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

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

Configuration	Configuration / Middleware license *
Administrator	nity
Servers media, dns, ntp	

A license is required when the message Invalid license is diplayed 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.

Administrator Lan IP, netmask WLan IP, netmask, security WWan code pin, spe Output size, frequence Servers media, dns, ntp License Date and time	Time zone Europ Date and t Choose	e confi pe time c e a da	onfig te: Se	tion: Regio uratic pteml	n)n:)er	201		•	Ti	me zone	 ▼]	
IP, netmask WLan IP, netmask, security WWan code pin, apn Output size, frequence Servers media, dns, ntp License Date and time	Europ Date and t Choose	pe time c e a da	onfig te: Se	uratio	on: Der	201	L7 [•	Paris		 ▼	
IP, netmask, security WWan code sin, aph Output size, frequence Servers media, dns, ntp License Date and time	Date and t	time c e a da I S	onfig te: Se	uratio	on: Der	201	17 [
Servers media, dns, ntp License Date and time		s	Se	ptem	ber	20	17	N				
License Date and time		s	0500					- C.I.				
Date and time		1.5	м	т	w	т	F 1	5				
		3 10	4 11	5 12	6 13	7 14	8 15 1	6	Use the con	nputer date	and time	
Regionality language		17 24	18 25	19 26	20 27	21 28	22 2 29 3	3 0				
Variables Extension	Choose	e time		nours	42	1	mir	utes	8 × secon	ds		
itenance	Validate	<u> </u>										
	Variables Extension tenance mation	Variables Extension tenance mation	Variables Extension 9 tenance mation	Variables Extension Extension Sector Sector	Variables Extension tenance mation	Variables Extension Extension 9 + hours 42 Validate mation	Variables Extension 9 tenance mation	Variables Extension P A hours 42 mini Validate	Variables Extension 9 • hours 42 • minutes Validate	Variables Extension 9 hours 42 minutes 8 secon Validate	Variables Extension 9 hours 42 minutes 8 seconds Validate tenance mation	Variables Extension 9 hours 42 minutes 8 seconds Validate

• 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	Samara	Zurich
Kaliningrad	San_Marino	
Kiev	Sarajevo	

• 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,
 - o Ex : Waiting...
- Device status values
- Supported language
 - English
 - Français
 - Espagnol
 - Deutsch



Configuration	Configuration / Regionality
Administrator	Language: English 🔻
WLan IP, netmask, security	Validate
code pin, apn	
Output size, frequence	
Servers media, dns, ntp	
License	
Date and time	
Regionality language	
\$() ^{Variables}	
Extension	



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.

- o Variable name
 - field1
 - field2
 - field3
 - field4
 - field 5

comguration	Configuration / Variables	
Administrator	Custom device variables	
IP, netmask	field1: F1	
IP, netmask, security	field2: F2	
ode pin, apa	field3: F3	
Output	field4: F4	
Servers	field5: F5	
Media, dns, ntp License Date and time	Validate	
Pagionality		
language		
<pre>kegionanty language \$() Variables</pre>		
\$() Variables Extension		



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 :

nfiguration	Configuration / Extension		
Administrator Lan IP, netmask WLan	Device: Hauppauge WinTV-HVR1400 Sele	ict	CVBS / DVB-T Card
WWan	Name	Frequency	Service Id
code pin, apn			
Output			
size, trequence			
Servers media. dns. ntp			
License			
Date and time			
	DVB-T reception status		
Regionality	Status: Unknown		
🖉 language	Level: Unknown		
) Variables	SNR: Unknown		
Extension	Channels search		
	Country Consultantes a		

- **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	ТМС
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/Cl 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

	Configuration / AV Command			
Administrator	R5232 DTE			
Lan IP, netmask WLan	uart_1:9600.8.N.1.0FF		P network/1000,192.158.0.2	
DP, oetmask, security	Protocol: Select a protocol 💌 🔘		Protocoli Select a protocol 🔹	
WWan code pin, april	Feature	Allow	Feature	Allow
Output	backlight	\checkmark	backlight	\checkmark
size, frequence	brightness	\checkmark	brightness	\checkmark
Servers	custom-commands	\checkmark	custom-commands	\checkmark
media, dns, ntp	mute	~	mute	\checkmark
License	power-mode	\checkmark	power-mode	$[\checkmark]$
Date and time	Video-input	\checkmark	video-input	\checkmark
Date and time	volume	~	volume	\checkmark
Regionality				
language	DDC/CI over HDMI OUT			
Variables				
Extension	Feature	Allow		
	backlight			
AV Command	brightness	\checkmark		
AV Command Ethernet, DDC/CI	brightness mute			
AV Command Ethernet, DDC/CI	brightness mute power-mode	2		
AV Command Ethernet, DDC/CL	brightness mute power-mode video-input			

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	\checkmark
brightness	\checkmark
custom-commands	\checkmark
mute	\checkmark
power-mode	\checkmark
video-input	\checkmark
volume	\checkmark

3) Click on uart_1 button to change RS232 configuration according to your monitor :

uart_1:9600,8,N,1,OFF			
	Edit serial port sett	ings	×
	Baudrate:	9600 🗸	
	CharSize:	8 •	
	Parity:	None	
	StopBits:	1 •	
	FlowControl:	Off 🛛 🗸	
	OK	Cancel	

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



samsung_m1	•
samsung_m1	•
samsung_m1_custom	L
samsung_m1_custom_custom	L
sanyo_m1	
sharp_m1	•

5) Reboot the device

Note : in case using USB to serial adapter, please visit Innes supp	ort \	Veb	site :						
DMB400 : http://www.innes.pro/fr/support/index.php?Gekkota	G4	for	device/Application	Notes/DMB400	Driver	USB	to seria	I supported	vendorID
SMA300 : <u>http://www.innes.pro/fr/support/index.php?Gekkota</u>	G3	for	device/Application	Notes/SMH300	Driver	USB	to seria	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
 - o 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	✓
brightness	\checkmark
custom-commands	\checkmark
mute	\checkmark
power-mode	\checkmark
video-input	\checkmark
volume	\checkmark

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

network:1000,192.168.0.2				
	Edit TCP setti	ngs	×	
	Port: Hosts:	1000 192.168.0.2		

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

samsung_m1	•
samsung_m1	4
samsung_m1_custom	- 1
samsung_m1_custom_custom	- 1
sanyo_m1	=
sharp_m1	•



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 :

Feature	Allow
backlight	✓
brightness	\checkmark
mute	\checkmark
power-mode	\checkmark
video-input	\checkmark
volume	\checkmark

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

AMA300	
Configuration	Maintenance / Test Card
Maintenance Test Card	Test Card Status: Disabled
Middleware	Enable Test Card
Logs	
Preferences	
Toors	

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
 - \circ Embedded software version (ex: Gekkota RT 3.12.25)
 - o Hostname: name of your device (see also WebUI / administrator)
 - \circ $\;$ UUID: computed automatically with the MAC address $\;$
 - o Error message (if any) (here invalid licence)
 - o 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.

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 paring (only SMH300)

onfiguration	Configuration /	Slate Pairing					
laintenance							
Slate Pairing				Acti	vate		
Middleware	Slates not pa	ired to this device			Slates	paired to th	is device
Logs	PSN	Hostname	RSSI	Auth. State	#	PSN	Hostname
17							

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 WebLIL and press "Activate" button in the menu Maintenance > Slate Pairing
Warning: when you press on "Activate" button, only SLATE106 devices installation and nairing can be done, they
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
normai benaviour <mark>.</mark>
English y
Configuration Configuration / Slate Pairing
Activate
Unpaired States Directed States
PSN Hostname RSSI Auth. State # PSN Hostname RSSI Connection quality Auth. State Hode
The button is now renamed " Deactivate " And bourglass is turning
Wait a couple of time, the time for all the SI ATE106 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
Beels Diverse the low Energy Deserve Signal Strength Indication in dDm
• 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



Configuration /	Slate Pairing												
Unseined Clat				De	activate] <u>**</u>	Slatar						
Unpaired Slat	es	0007	0			Paireo	Slates	-	2007			0	
P5N	Hostname	R551	Autn.	State			PSN	Hostname	K551	Connection quality	Autn.	State	Pioc
00900-00761	B05afma	-78 dBm	PIN Code	600		-							
00900-00262	William	-73 dBm	None	63		3							
00900-0025;	B08sgal	-73 dBm	PIN Code	60		4							
00900-00264	B16akyr	-67 dBm	PIN Code	8		5							
00900-0007f	Sreunio1	-83 dBm	PIN Code	92		6							
00900-00011	B10fini2	-49 dBm	PIN Code	89		7							
00900-00100	B14odav3	-30 dBm	PIN Code	60		8							
00900-00251	B06serv	-78 dBm	PIN Code	680		9							
00900-00261		-83 dBm	PIN Code	2		10							
00900-00253	B02fbar	-69 dBm	PIN Code	89		11							
00900-0025€	Cuisin	-87 dBm	PIN Code	<u>@</u>		12							
00900-00255	Bcartons	-87 dBm	PIN Code	92		13							
00900-00015	Bscam	-87 dBm	PIN Code	2		14							
00900-00248	B17fini	-69 dBm	PIN Code	660		15							
00900-00241	Bcommerc	-87 dBm	PIN Code	92		16							
00900-0026?	B04Accu	-78 dBm	PIN Code	660		17							
00900-00266	B09odav	-87 dBm	PIN Code	60		18							
00900-00122	B15Exit	-87 dBm	PIN Code	(9)		19							
00900-00027	B03fdup	-73 dBm	PIN Code	60		20							

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. 💛 SMH300 Configuration Configuration / Slate Pairing Maintenance Slate Pairing 71 Deactivate Preferences Unpaired Slates Paired Slates 0 Tools PSN Hostname RSSI Auth. State # PSN Hostname 660 00900-00151 B01eeeee -78 dBm PIN Code 1 00900-00260 B05afma -78 dBm PIN Code 660 2 00900-00262 William -73 dBm None 67 3 00900-00252 B08sgal -78 dBm PIN Code . 4 00900-00264 B16akyr -78 dBm PIN Code 680 5 PIN Code 00900-00078 Sreunio1 -78 dBm 6 67 69 7 00900-00011 B10fini2 -49 dBm PIN Code 00900-00100 B14odav3 -30 dBm PIN Code 000 8 00900-00251 B06serv -73 dBm PIN Code 680 9 00900-00261 -83 dBm PIN Code 67 10 -60 dBm 00900-00253 B02fbar PIN Code 69 11 -83 dBm 00900-00314 slate106 None ¢5 12 13 00900-00259 Bcartons -87 dBm PIN Code 97 00900-00015 Bscam -83 dBm PIN Code 14 3 00900-00248 B17fini PIN Code -65 dBm ⇒) 15 00900-00256 Cuisin -83 dBm PIN Code 67 16 00900-00241 Bcommerc -87 dBm PIN Code 97 airing 00900-00263 B04Accu -83 dBm PIN Code 60 18 00900-00266 B09odav -87 dBm PIN Code 69 19 60 00900-00122 B15Exit -87 dBm PIN Code 20 68) 00900-00027 B03fdup -78 dBm PIN Code If a PIN Code is required to pair the SLATE106 device, enter the PIN code of its current configuration. Enter a PIN Code × Some Slates needs a PIN code to be paired. PIN code: OK Cancel



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 Receive Signal Strength Indication, in dBm
- **Connection guality:** internal connection guality level based on BLE connection success rate (last 10 •

 Very Relia Not upda No c devi 	v reliable able BLE reliable ate cont connections ce is not I Code o Pairec © Pairec	and efficient BLE connection connection (some connection error can BLE connection (can take more than 15 ent) on status after 3 hours means that the E possible r None	be notic minutes BLE conne	ed sometimes) to update conten ection with the SL	t or fails t ATE106	:0
Relia Not upda No c devi h. : PIN ce: o	able BLE reliable ate conte connection ce is not I Code o Pairec © Pairec	connection (some connection error can BLE connection (can take more than 15 ent) on status after 3 hours means that the E possible r None	be notic minutes BLE conne	ed sometimes) to update conten ection with the SL	t or fails t ATE106	
h. : PIN ce: o	reliable ate contra- connection ce is not I Code o Pairec © Pairec	BLE connection (can take more than 15 ent) on status after 3 hours means that the E possible r None	minutes 1 BLE conne	to update conten	ATE106	.0
upda No c devi h. : PIN ce: 0 (2) 0 (2)	ate contr connection ce is not I Code o Pairec © Pairec	ent) on status after 3 hours means that the E possible r None	BLE conne	ection with the SL	ATE106	
No c devi h. : PIN ce: o @ o	connection ce is not I Code o Pairec © Pa	on status after 3 hours means that the E possible r None	BLE conne	ection with the SL	ATE106	
devi h. : PIN e: o e:	Ce is not I Code o Pairec @ Pa	possible r None				
h. : PIN :e: o @	I Code o Pairec	r None				
h.:PIN :e: o @ o	Pairec	r None				
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0		ring in progress. The pairing of the Siat	te can tak	ke about 15 minu	ites	
de.						
∭	indicate	s that "test card" is activated in this SLA	TE106 de	evice configuratio	n	
U 2000 To	st card i	s displayed on SLATE106 devices (not su	innorted	in DictureFrame \	/1. /1.10.10\	
		s displayed on SLATE 100 devices (not su			v 1.10.10)	
0	indicat	es that configuration sent to the SLATED	.06 device	e displays the Sig	nivieeting	content
(III)	isteau oi	lest card)				
215						
	-					
Paired Si	ates					
#	PSN	Hostname	RSSI	Connection quality	Auth.	State M
1 00	900-00263	B04Accu			PIN Code	
			- 10		N.	Concernant 1
	0 Te 0 (in %	 indicate Test card is indicate indicate indicate instead of 	 indicates that "test card" is activated in this SLA Test card is displayed on SLATE106 devices (not su indicates that configuration sent to the SLATE1 (instead of test card) Paired Slates # PSN Hostname 1 00900-00263 804Accu 	 indicates that "test card" is activated in this SLATE106 detection of the section o	 indicates that "test card" is activated in this SLATE106 device configuration Test card is displayed on SLATE106 devices (not supported in PictureFrame No indicates that configuration sent to the SLATE106 device displays the Sig (instead of test card) Paired Slates # PSN Hostname RSSI Connection quality 1 00900-00269 804Accu 	 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 (instead of test card)

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:

4 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 o o has to be unticked i	test card on the SLAT n normal behavio	E106 (not supported on Pa ur (when installation	ictureFrame V1.10.10) is finished)
	Éditer Slate		×
	Hostname:	B04Accu	
	Activate test card Activate PIN Code	 ✓ 1234 	
	0	K Cancel	
Warning: if the "Activate PIN Code"	is unticked while	a PIN code is require	d 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

	Paired	Slates				1	0	6
ite	#	PSN	Hostname	RSSI	Connection quality	Auth.	State	Mod
Ð	1	00900-00263	B04Accu			PIN Code	(nº)(2)	
				Pairing in pr minutes. Configuratio	ogress. The pairing of n in progres.	the Slate ca	n take al	bout
er the e devic	e 15 min ce SLATI	utes, the f <mark>E106 is pai</mark>	nourglass disappears meani <mark>red</mark> (like shown below)	Pairing in pr minutes. Configuratio	ogress. The pairing of n in progres. ion has been tak	the Slate ca	slate	106
ter the e devic Deactivat	e 15 min ce SLATI te Paired	utes, the h 106 is pai	nourglass disappears meani <mark>red</mark> (like shown below)	Pairing in pr minutes. Configuratio	ogress. The pairing of n in progres.	the Slate ca	SLATE	106 (
er the e devic Deactivat	e 15 min ce SLATI te Paired #	utes, the h 106 is pai Slates PSN	nourglass disappears meani red (like shown below) Hostname	Pairing in pr minutes. Configuration ing that the configuration RSSI	ogress. The pairing of n in progres. ion has been tak Connection quality	en by the Auth.	SLATE	106

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



_	ctivat	e te	st card n	node (untick " Activate test card ").	The id	con ▶ appe	ars (1115t	.cuu u)
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	1									
	Paired	Slate	s							Ĩ
	#	- 1	SN H	lostname		RSSI Con	nection au	ality	Au	th.
	1	00900	0-00263 B0	14Acc		-78 dBm			PING	lode
		1000000								
: yo	u can	rec	luest to d	change (or add or remove) a new P	IN CO	de only wher	i the de	vice r	ias b	een p
				Editer Slate		*				
				Hostopmon						
				Hosthame: BO4ACC						
				Activate test card						
				Activate PIN Code						
					- C					
				OK Cancel						
				OK Cancel						
lt, t	here	is no	o PIN coc	de on the SLATE106 device.						
lt, t ⁻ ha	here nge tl	is no ne II	o PIN coo	de on the SLATE106 device.	_ D list	by clicking o	n a devi	ice an	d usi	ing un
lt, t cha	here nge tl	is no ne ll	o PIN coc O "#" of a	de on the SLATE106 device. a SLATE106 device in the SMH300	_ D list	by clicking o	n a devi	ice an	d usi	ing up
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lt, t cha	here nge tl	is no ne II	o PIN coc O "#" of a	de on the SLATE106 device. a SLATE106 device in the SMH300) D list	by clicking o	n a devi	ice an	id usi	ing up
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lt, t cha De:	here nge tl activate	is no ne II Pairee	D PIN coc D "#" of a Slates PSN 00900-00151 00900-00253	de on the SLATE106 device. a SLATE106 device in the SMH300	D list RSSI 78 dBm 53 dBm	by clicking o	Auth. PIN Code PIN Code	ice an	Id usi	ing up
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lt, t Dee tate S S S S S S S S S S S S S	here nge tl activate	Paire Paire # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 10 11 12 13 14 15 16 10 10 10 10 10 10 10 10 10 10	D PIN coc D "#" of a slates PSN 00900-00151 00900-00253 00900-00253 00900-00250 00900-00250 00900-00250 00900-00250 00900-00250 00900-00250 00900-00241 00900-00100 00900-00122	Accession of the SLATE106 device. A SLATE106 device in the SMH300 Hostname 801eeeee 802fbar 803fdup 804Acc 803afma 806serv 87Kitch 808sgal 809reuni 810fini2 811sales 814odav3 815Exit 816akyr	D list RSSI 78 dBm 53 dBm 78 dBm 78 dBm 83 dBm 49 dBm 30 dBm 87 dBm 78 dBm	by clicking o	Auth. PIN Code PIN Code	Ce an State " 00 " 00 " 00 " 00 " 00 " 00 " 00 " 0	Mode	ing up
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F. Check connection quality

After 2 to 3 h	nours, 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 to far from the SMH300, or hidden behind some thick walls, some device could stay unpair. 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.

Teleficient I					1 Sec. 5 500 50 50	1. 195-2657	1 100000 1000	1
État		# PSN	Hostname	RSSI	Qualité connexion	Auth.	État	Mode
2		00900-00151	B01eeeee	-83 dBm	.	Code PIN	69	
2		2 00900-00253	B02fbar	-60 dBm	.	Code PIN	(93)	
ŚŚ		3 00900-00027	B03fdup	-83 dBm		Code PIN	68)	
<u>E</u>	23	4 00900-00263	B04Acc	-78 dBm		Code PIN	60	
2		5 00900-00260	B05afma	-73 dBm		Code PIN	69	\triangleright
	10	5 00900-00251	BOGserv	-69 dBm		Code PIN	690	
	55	7 00900-00256	B7Kitch	-87 dBm		Code PIN	68)	
	34	00900-00252	B08sgal	-73 dBm		Code PIN	69	
	2	00900-00078	B09reuni	-83 dBm		Code PIN	69	
	1	0 00900-00011	B10fini2	-49 dBm		Code PIN	(93)	
	1	1 00900-00241	B11sales			Code PIN	(**) œ	
	1	2 00900-00100	B14odav3	-30 dBm		Code PIN	69	
	1	3 00900-00122	B15Exit	-87 dBm		Code PIN	69	
	1	4 00900-00266	B09odav	-78 dBm		Code PIN	(*)®	
	-	5					-	
	1	6 00900-00264	B16akyr	-83 dBm		Code PIN	69	
	1	7 00900-00248	B17fini	-60 dBm		Code PIN	69	
	1	8 00900-00015	B18scam	-83 dBm		Code PIN	ශ	
	1	9						
	2	0						

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



• 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

AMA300	
Configuration	Maintenance / Middleware
Maintenance	
Test Card	Current middleware: Gekkota OS - 3.12.47_beta5 Select a middleware to update
Middleware	Validate
Logs	
Preferences	
Tools	

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.

Configuration	Maintenance / Hiddleware *
Haintenance	
Test Card	Current middleware: Gekkota 03 - 3.12.47_beta5 gekkota ce-sma300-setup-3.12.47_beta7.fm
#liddlessare	Validate
Logs Preferences	Uploading middleware2%
💜 Tools	

When this screen appears, the file download has completed.

Reboot in progress	
Successful upload. The device will reboot and update the middleware. You will be automatically reconnected to the device in a few minutes. Please wait.	

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

For device nominal behaviour, the default values are:

- Log Level = "OFF"
- Activate traces of undeclared categories = not ticked



Configuration	Maintenance / Logs
Maintenance	
Test Card Middleware	Categories
Preferences	Activate traces of undeclared categories. Level: WARN v Validate

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

Configuration	Maintenance / Preferences
Maintenance	
Test Card	Filter: decoding-group
Middleware	Name of the preference
Logs	innes.video.decoding-group.enabled
Preferences	
Tools	

Double click on the preference to edit it

Configuration	Maintenance / Preferences		
Maintenance			
Test Card	Filter: decoding-group		
Middleware	Name of the preference		
	Unnex.video.decoding-group enabled		
Logs	Edit the preference ((boolean)	×
Tools	name: innes.v value: true	video.decoding-group.enabled	



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)

Add
Remove
0.4



4.4 Information

4.4.1 General

This interface permitts 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 <u>http://www.innes.pro/fr/support</u>.
- 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
 - o MAC address
 - IPV4 address
 - o IPV6 address
 - o Default Gateway
 - o State
 - The state "disabled" means that the interface is not working properly
 - DNS servers
- WLAN1
 - o MAC address
 - o IPV4 address
 - o IPV6 address
 - o Default Gateway
 - o State
 - The state "disabled" means that the interface is not working properly
 - o DNS servers
 - Delivery, status and installation servers*
 - o Delivery server (G2) or (G3): corresponding to PlugnCast version 2 (or version 3) URL
 - Heartbeat: periodicity of connection to PlugnCast server
 - o 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

Configuration	Information / Network					
Maintenance						
Information	- Delivery, status and install	ation servers:				
General General	Delivery server (G3) : http:/	//192.168.1.17:8080/.frontals/.webdav/demo.plugncast.com/ Heartbeat: 00h 01min				
Network	Status server : http://192.1	Status server : http://192.168.1.17:8080/.frontals/.webdav/demo.plugncast.com/.device-status/ Heartbeat: 00h 01min				
	Softwares and configurations i	nstallation server : http://192.168.1.17:8080/.frontals/.webdav/demo.plugncast.com/.setup/ Heartbeat: 00h 01min				
	NTP time server					
	NTP Serveri					
	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				
	States	Enabled				
	DNS Servers:					

4.4.3 Screens

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

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

Configuration	Information / S	Information / Screens	
Maintenance			
Information	Screen #1		
General	Connected:	on HDMI OUT (hdmi_2)	
Network	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 92 52 10 00 01 E 00 00 00 FD 00 18 4B 18 77	
Screens		30 00 00 20 20 20 20 20 20 00 00 00 00 00	
		25 21 00 01 E 01 1D 07 25 11 00 1E 20 62 35 00 09 25 21 00 10 E 2 45 80 39 25 21 00 01 E 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	

