



Multimedia Support

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RELEASE NOTES

Product: MAC-HD (ref.4493)

Version: 2.50

Date: 31/10/2014

Content List

1. GENERAL INFORMATION

1.1 Purpose and Coverage

The MAC_HD is a High Definition standalone modulator with audio and video signal inputs, HDMI, HD-SDI and USB with COFDM (DVB-T) output for TV or IP distributions.

This document describes new characteristics, compatibility problems, resolved problems and other known issues associated to this product version.

1.2 Published Version Summary

- 2.50
- 2.21
- 1.16

1.3 Product Identification

1.3.1 Software and Hardware Review

The Software and Hardware version of the equipment can be verified through the modulator's LCD screen, with the Ikusi Headend Discovery application or in the web interface.

To check the versions through the LCD screen, you have to access the Equipment Information:

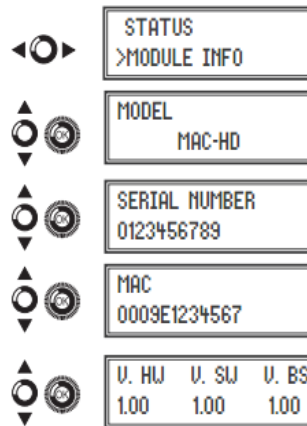
- Localize and select the option "MODULE INFO".
- Localize and display the option V.SW V.HW V.BS. The module reports its software version (V.SW), hardware version (V.HW) and boot system version (V.BS).



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To check the versions with the “Ikusi Headend Discovery” application:

- Download the “Ikusi Headend Discovery” application available in our website (<http://www.ikusi.tv/en/headends/modulators/mac-series/mac-hd>) and install it on the computer. A window will open and we will see the model, the MAC address, the serial number and the firmware version.



To check the versions in the web interface:

- Start up the web navigator and introduce the IP address 192.168.1.6 (initial address by default) of the MAC-HD.
- Insert the user name “admin” and the password “admin”. Click on the “Log in” button.
- Select the “GENERAL” menu and then the “Upgrade” tab. The modulator will automatically show the current firmware version installed.

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1.4 Compatibility Information

1.4.1 Supported HW

Not applicable. All HW versions are supported.

1.4.2 Backwards compatibility notes

The MAC HD doesn't allow any Downgrading

2. VERSION HISTORY

2.1 Software Version 2.50

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2.1.1 New Functionalities

- None

2.1.2 Resolved Problems

- Translation errors in the display fixed
- "Zero" allowed when you configure the IP address
- It is allowed to change the parameters of the second service via display although it does not exist in the Input
- Frequency change via web fixes in live, previously the changes applied after a reboot
- Channel 38 set up by default for Australia
- When the codification changes from MPEG4 to MPEG2 the bitrate adjusts to the maximum permitted in MPEG2 automatically

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- TSID default value fixed in order to match with the default channel number. If the default channel number is 42, the TSID must be 42 as well. Previously the TSID was assigned with another different value.
- Errors fixed when the selected country was France and after a network disconnection it does not work properly

2.1.3 Known Problems

- None

2.2 Software Version 2.21

-> 24/03/2014

2.1.4 New Functionalities

- IP Output
- Automatic output bitrate adaptation whenever the USB is inserted
- HD file reproduction (USB)
- Response speed improvements adjusting the module via web
- Operating hours reporting
- Australia country parameters by default

2.1.5 Resolved Problems

- Lack of audio after power reset (with some receivers)
- Web / Joystick attenuation steps matched
- Country & Language synchronization
- Web menu syntax translations
- Italian language support added
- USB support improvement
- Stability improvements
- Homepage redirection after Factory Reset
- Display block using
- User password introduction with upper and lower case
- SDI and HDMI commutation response improved
- SW, HW and Loader information visibility improved
- Web interface text errors fixed
- TV system detection optimized in HDMI Input
- Support to set-top-boxes with HDMI late signalization
- Input signal synchronization improvement

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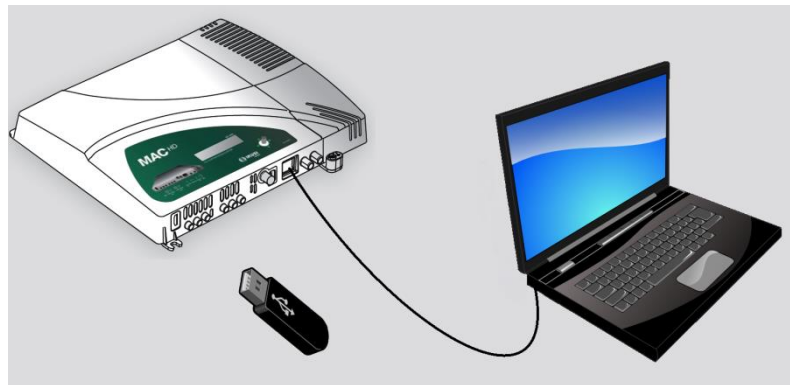
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2.1.6 Known Problems

None

3. UPDATE INSTRUCTIONS

3.1 Installation environment



3.2 Equipment/Module Verification

- To make sure there is no compatibility problems, before you update to the new software, write down both software and hardware current version. Compare the version numbers with the information presented in this document to confirm their compatibility. Also verify there is no hardware alarms activated.

3.3 New Firmware loading through Web Interface

- Download to the computer the file *Firmware v2.50* from our website <http://www.ikusi.tv/en/headends/modulators/mac-series/mac-hd>
- From the Web navigator, Select the “GENERAL” menu and then the “Upgrade” tab.
- Select the firmware update package clicking on the “SELECT FILE” button to choose the firmware update file needed.

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Select the upgrade package:

Examinar...

No se ha seleccionado ningún archivo.

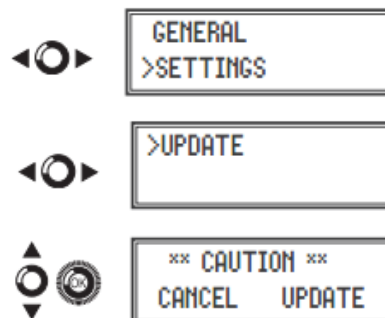
Upgrade

- To launch the update click on the “Upgrade” button.

Upgrade

3.4 New Firmware loading through USB

- Download to the computer the file *Firmware v2.50* from our website <http://www.ikusi.tv/en/headends/modulators/mac-series/mac-hd>
- Unzip it and introduce the file into the root directory of a USB flash drive.
- Insert the flash drive into the USB port of the computer.
- Localize and select the option “SYSTEM UPATE”.



4. DOCUMENTATION

- [MAC-HD Datasheet](#)
- [MAC-HD Installation user guide](#)

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- [MAC-HD Web interface guide](#)

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