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## RELEASE NOTES

**Product:** HTI-404 (ref. 3864)  
HTI-424 (ref. 3863)

**Version:** 3.4.11

**Date:** 22/03/2022

### 1. GENERAL INFORMATION

#### 1.1 Purpose and coverage

HTI products form an advanced ClassA quad transmodulator range, with universal input (DVB-S/S2, DVB-T/T2 or DVB-C) and DVB-T, DVB-C or IP (only in HTI-424) output. It also includes two Common Interface slots for service decryption (only in HTI-424).

This document describes the new features, compatibility issues, solved problems, and known issues to solve associated with this product release.

#### 1.2 List of releases

- 3.4.11
- 3.4.8
- 3.4.7
- 3.4.6
- 3.4.5
- 3.4.4
- 3.4.3
- 3.0.8
- 3.0.7
- 3.0.6
- 3.0.5
- 3.0.4
- 3.0.3
- 3.0.1
- 2.0.0
- 1.2.0

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### 1.3 Product identification

#### 1.3.1 Software review

Software release of the system is checked through a web browser.

After accessing HTI headend via the web, go to Menu / Firmware Management. Check information of CURRENT FIRMWARE VERSION.

**Firmware Upgrade Management for the headend**

**CURRENT FIRMWARE VERSION**

| VERSION         |
|-----------------|
| 1.2.0+d20180612 |

**AVAILABLE FIRMWARE VERSION**

| VERSION |
|---------|
|---------|

**UPLOAD A FIRMWARE UPDATE**

[Add Firmware File](#)

#### 1.3.2 Hardware review

Not applicable. All HW versions are supported.

### 1.4 Compatibility information

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#### **1.4.1 Supported HW**

Not applicable. All HW versions are supported.

#### **1.4.2 Backwards compatibility notes**

It is not possible to downgrade.

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## 2. RELEASE HISTORY

- **Software Release 3.4.11** (22/03/2022)
  - **New Features**
    - Added system logs to Web interface.
  - **Resolved issues**
    - Several minor fixes.
  - **Known issues**
    - None.
  
- **Software Release 3.4.8** (27/09/2021)
  - **New Features**
    - Reduced parameters of SAP service.
  - **Resolved issues**
    - Tuning of wrong stream on DVB-S2 multistream muxes.
  - **Known issues**
    - None.
  
- **Software Release 3.4.7** (23/07/2021)
  - **New Features**
    - None.
  - **Resolved issues**
    - Tuning of wrong stream on DVB-S2 multistream muxes.
    - Saving of wrong PLS mode to backups.
  - **Known issues**
    - None.
  
- **Software Release 3.4.6** (03/06/2021)
  - **New Features**
    - None.
  - **Resolved issues**
    - It is now possible to register and upgrade modules with version 3.0.8 and lower. These modules have to be reset to factory defaults after upgrade to 3.4.6 and before configuration.
  - **Known issues**
    - None.
  
- **Software Release 3.4.5** (01/06/2021)
  - **New features**
    - None.

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- **Resolved issues**
  - On newly added services, the audio streams were blocked in some cases.
- **Known issues**
  - It is not possible to register/operate/upgrade modules with versions 3.0.8 and lower on a headend already upgraded to 3.4.3 and later. These modules have to be already upgraded at least to 3.4.3.
- **Software Release 3.4.4** (20/05/2021)
  - **New features**
    - None.
  - **Resolved issues**
    - The source IP field could not be edited.
    - The names of IPTV inputs were wrong on the service selection popup menu.
  - **Known issues**
    - It is not possible to register/operate/upgrade modules with versions 3.0.8 and lower on a headend already upgraded to 3.4.3 and later. These modules have to be already upgraded at least to 3.4.3.
- **Software Release 3.4.3** (10/05/2021)
  - **New features**
    - Added 4 IPTV multicast inputs.
    - Added RF input signal quality info.
    - Improved RF attenuation/power handling on Web.
  - **Resolved issues**
    - Usability fixes on Web interface.
    - The Web access user changes from “Admin” to “admin”. Cached credentials must be updated in Web browsers.
  - **Known issues**
    - It is not possible to register/operate/upgrade modules with versions 3.0.8 and lower on a headend already upgraded to 3.4.3 and later. These modules have to be already upgraded at least to 3.4.3.
- **Software Release 3.0.8** (04/02/2021)
  - **New features**
    - Dynamic fan RPM. Fans spin lower to reduce noise.
  - **Resolved issues**
    - The PLS mode in satellite input was inconsistent when recovered from a backup file.

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- **Known issues**
  - Same as 3.0.7
  
- **Software Release 3.0.7** (11/06/2020)
  - **New features**
    - None.
  - **Resolved issues**
    - Unable to save network config with blank gateway.
    - Error in reporting of local oscillator value in certain LNB setups.
  - **Known issues**
    - Same as 3.0.6
  
- **Software Release 3.0.6** (28/05/2020)
  - **New features**
    - None.
  - **Resolved issues**
    - Input instability with certain multiswitches.
  - **Known issues**
    - Same as 3.0.5
  
- **Software Release 3.0.5** (19/11/2019)
  - **New features**
    - None.
  - **Resolved issues**
    - Periodic pixelations in IP SPTS outputs.
    - Loss of audio/video in encrypted services.
    - Incompatibility with Stream System TVs.
  - **Known issues**
    - Same as 3.0.4
  
- **Software release 3.0.4** (9/04/2019)
  - **New features**
    - None.
  - **Resolved issues**
    - Some modules are constantly reset, blocking access to them. In the case that the affected module is the master, access to the web interface is unstable.
  - **Known issues**
    - Same as 3.0.3

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- **Software release 3.0.3** (01/03/2019)
  - **New features**
    - Processing of audio streams for new languages, such as Croatian or Serbian is added.
  - **Resolved issues**
    - An error that made it difficult to save changes in the list of services, detected in version 3.0.1 is fixed.
    - The error that caused that audios appeared blocked when updating a module from version 1.2.0 is fixed.
    - False decrypting alarms problems that caused a delay to start descrambling in some CAMs are solved.
  - **Known issues**
    - Same as 3.0.1
  
- **Software release 3.0.1** (15/02/2019)
  - **New features**
    - Generation of IPTV output (SPTS and MPTS) is added.
    - Fixed IP access mode is added. DHCP mode and programmable fixed IP are still available..
      - Default IP address in RJ45 interface: 192.168.184.101.  
It is accessible only from 192.168.184.100.
      - Default IP address in USB interface: 192.168.184.253.  
It is accessible only from 192.168.184.252
    - RJ45 interface is no longer supported by IKUSI Headend Discovery.
  - **Resolved issues**
    - Loss of streams problems detected in 2.0.0 are solved.
    - False decrypting alarms problems detected in 2.0.0 are solved.
    - MMI interface of a slave HTI was not accessible.
    - CAMs could not be reseted from web interface.
  - **Known issues**
    - Tune DVB-S2 45MSymb/s satellite signal may take up to 90 seconds.
    - Some CAM models may take up to 120 seconds to start descrambling.
    - IP configuration obtained in DHCP mode is not visible in configuration reports.

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- **Software release 2.0.0** (03/12/2018)
  - **New features**
    - Support for new HTI-424 transmodulator.
      - Supports two CAM slots for service decryption.
      - Supports changing input mode between four inputs or one input + loopthrough.
    - Improved service selection GUI.
    - Bit rate measurement for each PID and service.
    - Supports for Ka band signals.
    - Supports PSI/SI decryption.
    - Improved support for selection of signal source, either through a multiswitch or from a LNB directly.
  - **Resolved issues**
    - When the HTI is accessed through a PC with Italian language, some menus were not shown properly.
    - Services can't be removed from a carrier in overflow status.
  - **Known issues**
    - Tune DVB-S2 45MSymb/s satellite signal may take up to 90 seconds.
    - Some CAM models may take up to 120 seconds to start descrambling.
    - IP configuration obtained in DHCP mode is not visible in configuration reports.
    - Exceptionally, IKUSI Headend discovery may fail to detect headends. Headend reboot solves the problem.

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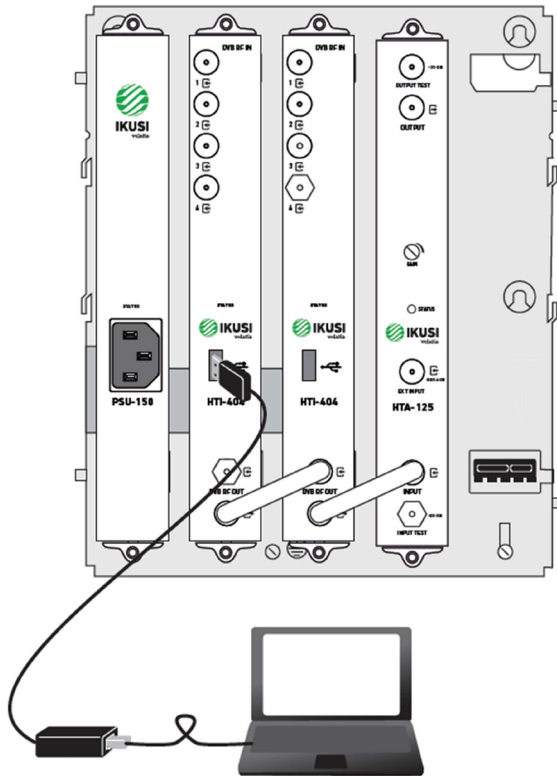




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### 3. UPGRADE INSTRUCTIONS

#### 3.1 Installation environment



#### 3.2 Equipment/modules checking

In order to ensure that there is no configuration or hardware issues (service, signal, etc. Issues) check that there are not active alarms.

#### 3.3 Software upgrade procedure

Follow these steps:

- Download the latest version from our website, <https://www.ikusi.tv/en/products/hti-404>
- Connect the pc to the USB port of the master module, located in the slot 2 of the base-plate, with a USB-ethernet adapter.
- Enter the following data, User: Admin Password: admin. Push Submit button. The main screen of the configuration interface will

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open, from where you can configure the headend.

- Go to Menu / Firmware Management.
- Go to UPLOAD A FIRMWARE UPDATE section

**Firmware Upgrade Management for the headend**

**CURRENT FIRMWARE VERSION**

| VERSION         |
|-----------------|
| 1.2.0+d20180612 |

**AVAILABLE FIRMWARE VERSION**

| VERSION |
|---------|
|---------|

**UPLOAD A FIRMWARE UPDATE**

[Add Firmware File](#)

- Select the firmware through Add Firmware File button. After that, push Upload button. Once the firmware has been uploaded, it will appear in the AVAILABLE FIRMWARE VERSION section.
- Push the Install button associated with the desired firmware version.
- After pushing Install button, the upgrade progress screen will open.

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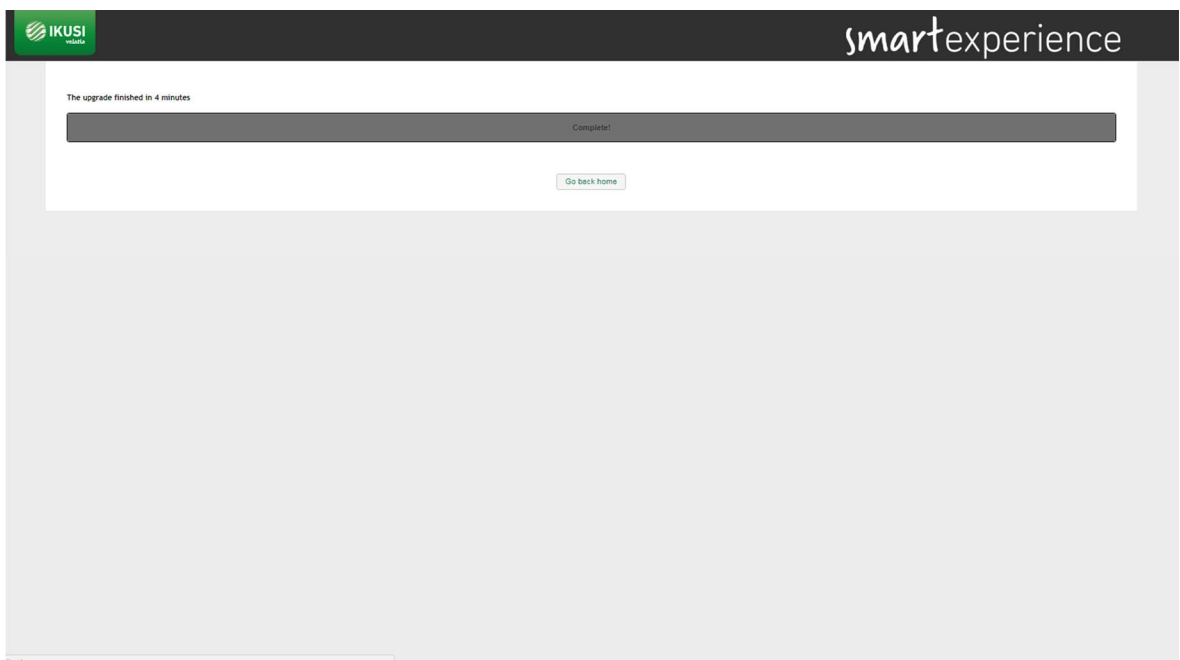
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- At the conclusion of the upgrade (10' approx), a message will appear as follows:



- Push Go back home button. The web interface will redirect you to Overview screen.

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