



Configuration guide

TDH 800 AV Input Module – Art. 692880



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Introduction

This document describes the configuration of the AV Input module for the TDH 800 headend.

Physical installation of the module is described in the TDH 800 main unit installation guide.

System requirements

Computer minimum requirements

A computer meeting the following minimum requirements is required for configuring the headend.

Operating system Windows XP or above

Browser Windows Internet Explorer version 6.0 or equivalent

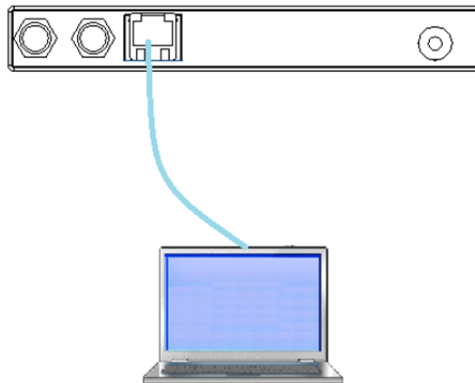
Additional software Microsoft© Silverlight Runtime version 3.0 or above

Static IP address

A static address must be used on the computer used to configure the headend.

Refer to the computer's operating software documentation for assistance on configuring static IP addresses.

Physical connection to headend

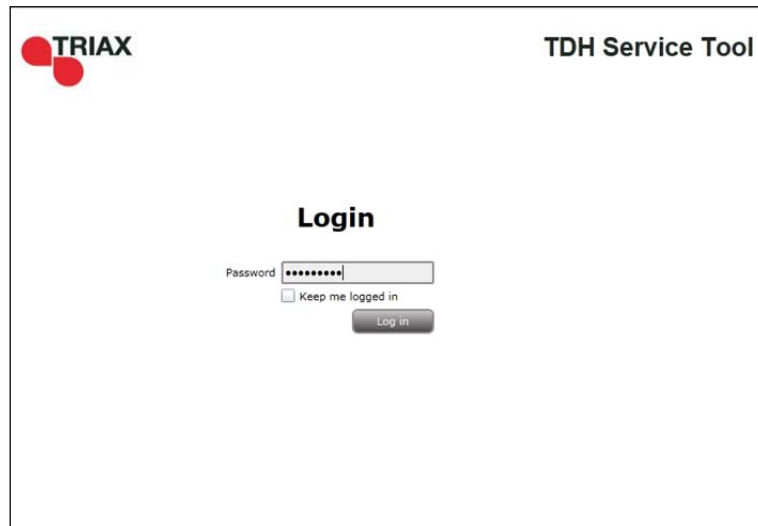


- Connect a Cat5e shielded cable or better between the computer's network port and the configuration port on the headend.

Introduction

Service tool

1. Open a web browser window.
2. Enter '**http://192.168.0.100**' in the web address field.
3. Press **Enter**.



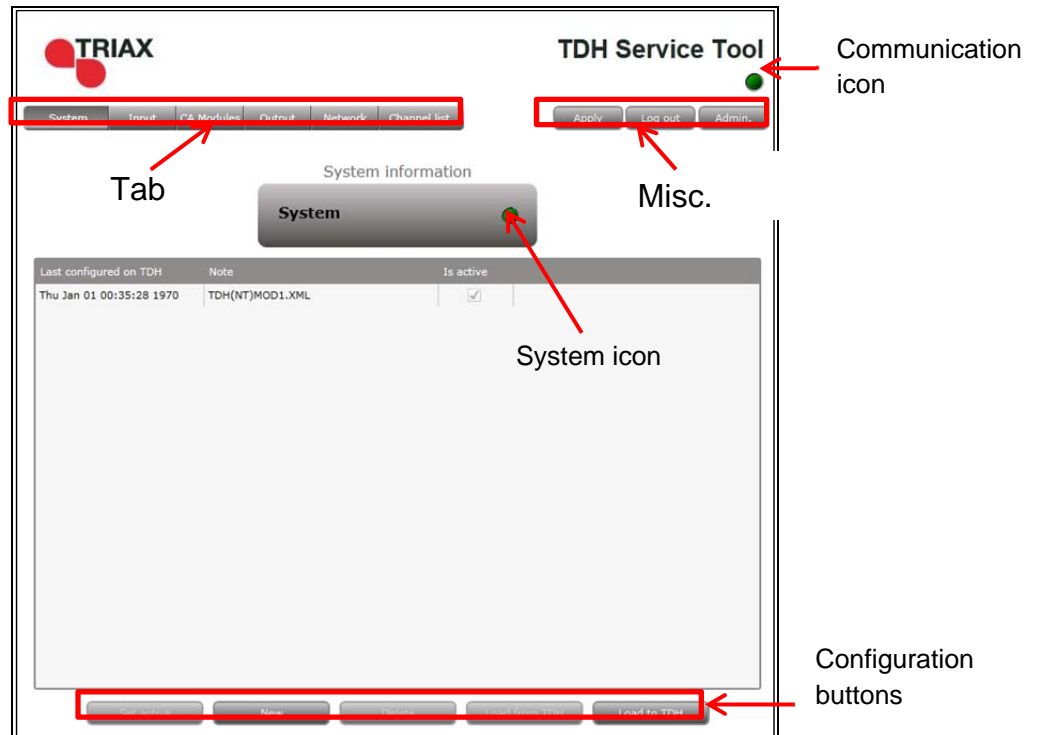
The screenshot shows a web browser window displaying the login page for the TDH Service Tool. The page has a white background. In the top left corner, there is a logo consisting of two red circles and the word 'TRIAX' in black. In the top right corner, the text 'TDH Service Tool' is displayed. The main heading 'Login' is centered on the page. Below the heading, there is a 'Password' label followed by a text input field containing a masked password represented by ten asterisks. Below the password field is a checkbox with the label 'Keep me logged in'. At the bottom of the form is a grey button with the text 'Log in'.

4. Enter the password.
5. Press the **Log in** button.

Note:

Password = '**triax1234**' when the service tool is opened for the first time.
The **Keep me logged in** checkbox overrides the system's automatic time out function, which is activated after 20 minute's inactivity.

Overview



Icons

Indicates whether the service tool is communicating correctly with the headend unit.

Green The service tool and headend are communicating correctly.

Red The service tool and headend are NOT communicating correctly.

Indicates whether the headend unit is functioning correctly.

Green The headend unit is functioning correctly.

Red The headend unit is functioning correctly.

Introduction

Tabs		Accesses the various tabs used to configure the headend's input and output modules.
	System	The service tool's 'home' window. Provides system overview information and configuration activation/control.
	Input	Tab for configuring input modules and services. Refer to input module manuals for information.
	CA Modules	Tab for configuring CI modules and CA cards. Refer to output module manuals for information.
	Output	Tab for configuring output modules and services. Refer to output module manuals for information.
	Network	Tab for defining customer specific settings that are network related, e.g. Network name, ID, and for defining HD/SD channel numbering.
	Channel List	Tab for viewing the channels being transmitted from the headend, as defined in the Input , CA Modules and Output tabs. Refer to input module manuals for information.
Misc. Buttons	Apply	Stores configuration settings on the SD card located in the headend.
	Button colour	
	Red	There are changes that have not been stored on the headend's SD card.
	Grey	All changes are stored on the headend's SD card.
	Log In/Out Admin.-	Service tool access control. Opens the settings for service tool window, where language, location, time zone, and initial IP addresses are specified.

Configuring AV input modules

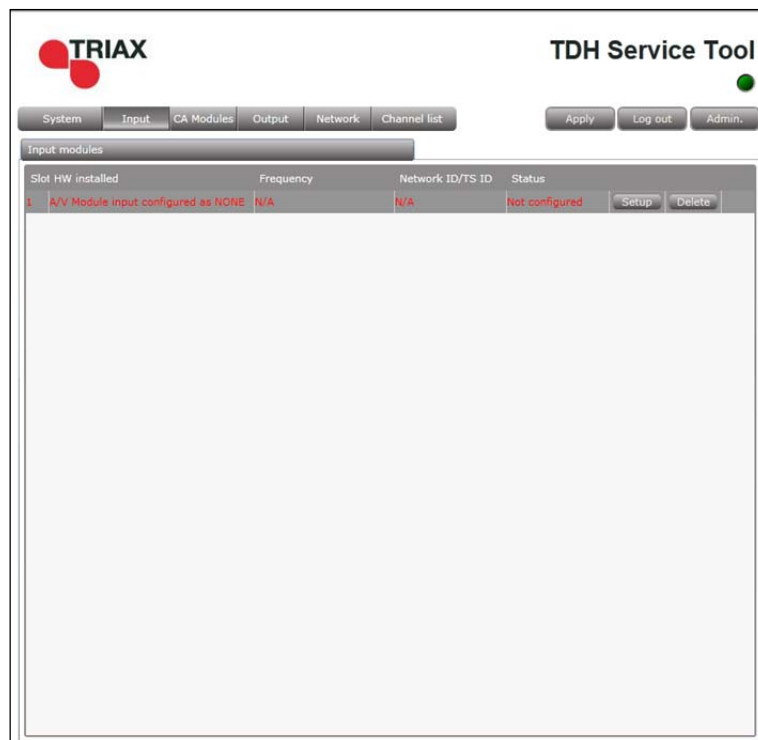
Pre-requisites

The headend is running, the input module is in position, and the TDH Service Tool is connected to the headend.

See the TDH 800 Headend User Guide for information on inserting the input module into the TDH 800 headend.

Configuration

1. Select the **Input** tab in the TDH Service Tool.



2. Press the **Setup** button of the input module to be configured.

Configuration

The screenshot shows the TRIAX TDH Service Tool configuration interface. The interface is divided into several sections:

- System Navigation:** A top bar with tabs for System, Input, CA Modules, Output, Network, and Channel list. The 'Input' tab is selected.
- Configuration Section:** A central area with a 'Configuration' sub-section containing:
 - Bitrate: 5 Mbps
 - Video codec: MPEG-4
 - Audio encoding: Auto
 - Service name: Unit1Fe01Av1
 - Video Comb Filter:
- Services Section:** A table with columns for Services, Types, SID, and Selected services. It is currently empty.
- Buttons:** 'Apply' (top right), 'Update' (below configuration), 'Reset input' and 'Submit' (bottom center), and 'All' and 'None' (top right of services table).
- Status Area:** A bottom section titled 'Status information' with a table of system parameters.

Annotations with red arrows point to various elements:

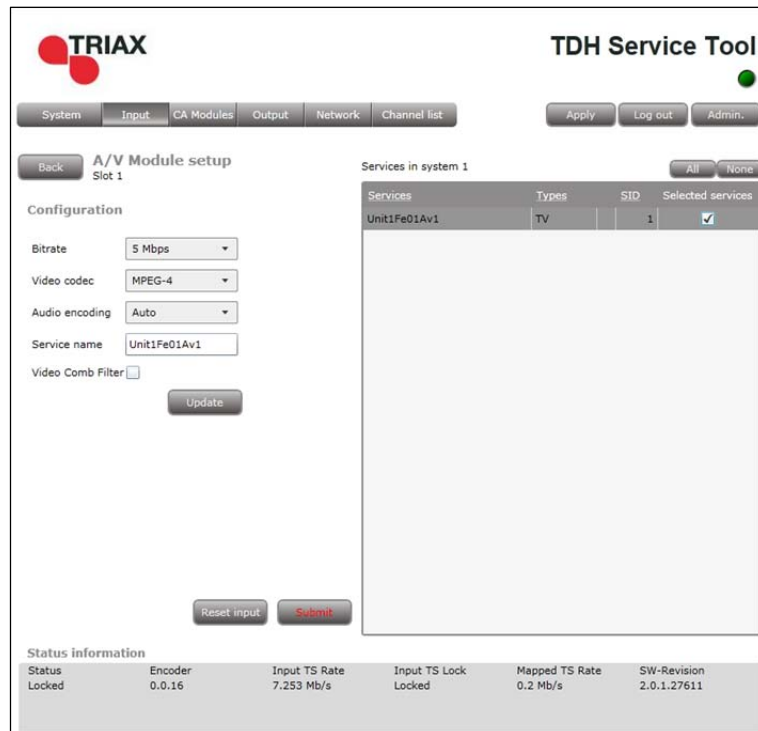
- Tabs:** Points to the navigation tabs.
- Input module info:** Points to the 'A/V Module setup Slot 1' header.
- Configuration:** Points to the configuration fields.
- Update button:** Points to the 'Update' button.
- Reset input button:** Points to the 'Reset input' button.
- Status area:** Points to the 'Status information' table.
- Apply button:** Points to the 'Apply' button.
- Multi-service selection:** Points to the 'All' and 'None' buttons.
- Service list area:** Points to the services table.

Status	Encoder	Input TS Rate	Input TS Lock	Mapped TS Rate	SW-Revision
Not locked	0.0.16	N/A	Not Locked	N/A	2.0.1.27611

Default values are displayed when the configuration tab is opened for the first time.

1. Enter the relevant **Bitrate**.
2. Select the relevant **Video codec**, the options are:
3. Select the relevant **Audio encoding**, the options are:
4. The Service name is initially set by the TDH 800 but can be modified if desired.
5. Check the **Video Comb filter** checkbox to
6. Press the **Update** button.

Configuration



1. Wait for the services list area to be populated with the service(s) that can be delivered from the input module. This can take up to two minutes.
2. Check the **Selected services** checkbox for the service(s) to be delivered.
3. View the status information at the bottom of the page to check that the input module is functioning correctly:

Status	Whether the input module is locked or not.
Encoder	The encoder version being used.
Input TS Rate	Displays the how much data the transport stream (TS) of the input module delivers to the TDH 800 system.
Input TS Lock	Displays the how much data the transport stream (TS) of the input module delivers to the TDH 800 system.
Mapped TS Rate	Displays how much data is mapped to the output modules from the corresponding input.
SW revision	Displays the software version of the input module.

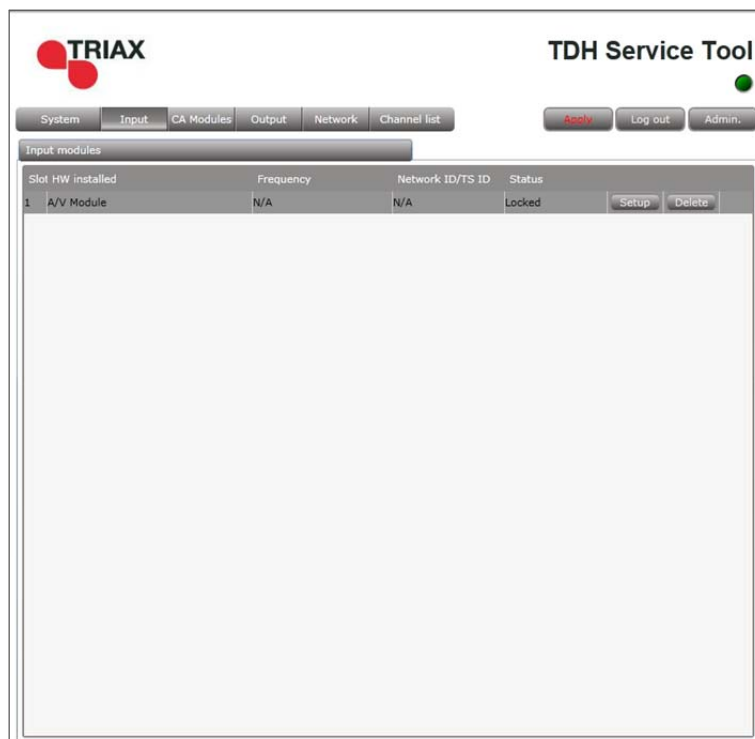
The software version displayed must be identical with that installed on the TDH 800 main unit and on all other input/output modules.

Configuration

Update the software for the entire TDH 800 headend (including input/output modules) if this is not the case.

4. Press the **Submit** button.

The output module's first slot is now successfully configured, as shown below.



5. Press the **Apply** button.

The following confirmation is displayed.



Modifying

1. Press the **Setup** button for the input module to be modified.
2. Make the desired changes.
3. Press the **Update** button.
4. Press the **Submit** button.
5. Press the **Apply** button in the **Configuration** window

Deleting

1. Press the **Delete** button of the input module to be removed.
- A confirmation popup is displayed.



2. Press **Yes** to remove the input module.

The input module is displayed in red in the **Input** tab.

3. Turn off the headend.
4. Physically remove the input module from the headend.
5. Restart the headend.
6. Restart the service tool.

The input module will no longer be listed in the input module list.



Manufacturer

Dear Customer

Should you require technical assistance in the event that your expert dealer is unable to help you, please contact us at:

Triax A/S
Bjørnkærvej 3
8783 Hornsyld
Denmark

Tel.: +45 76 82 22 00
mail: triax@triax.dk
web: www.triax.dk

DECLARATION OF CONFORMITY

TRIAX confirms that the product conforms to relevant EEC harmonised standards and consequently can carry the CE-mark.

Relevant harmonised standards:

DE/EN 60728-2 2010, DS/EN 60728-11 2010 and DS/EN 50083-2 2006

This document is only valid with the signature of the person responsible for CE-marking by Triax

Date: October 2012

Signature:

A handwritten signature in blue ink, consisting of stylized, overlapping loops and lines.