Configuration guide

TDH 800 DVB-T/T2 Module – Art. 692823

Contents

Introduction

This document describes the configuration of the DVB-T/T2 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.

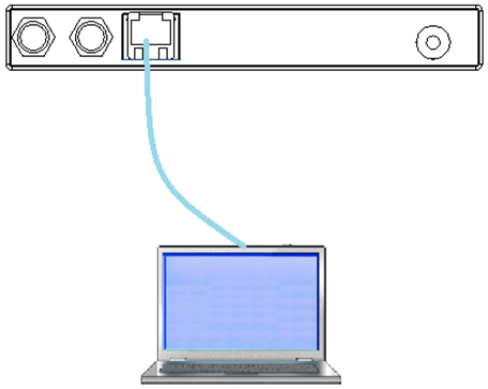
Operating system	Windows XP or above
Browser	Windows Internet Explorer version 6.0 or equivalent
Additional software	Microsoft© Silverlight Runtime version 3.0 or above

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.

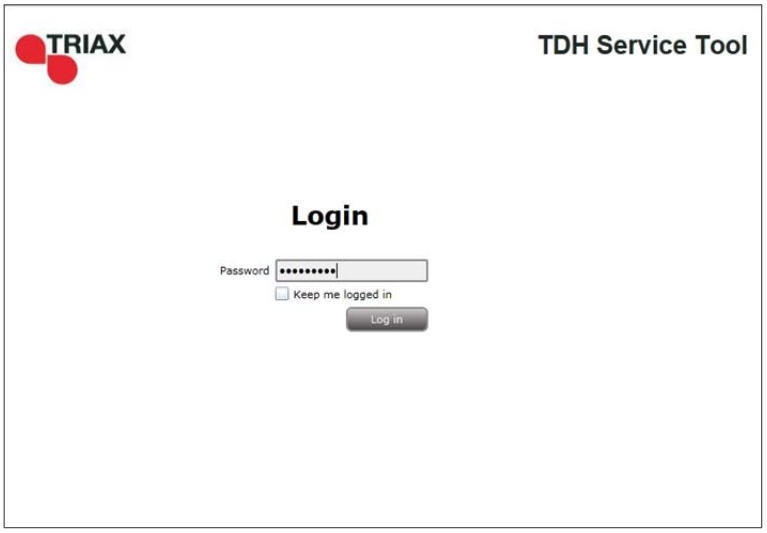
Physical connection to headend



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

Service tool

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



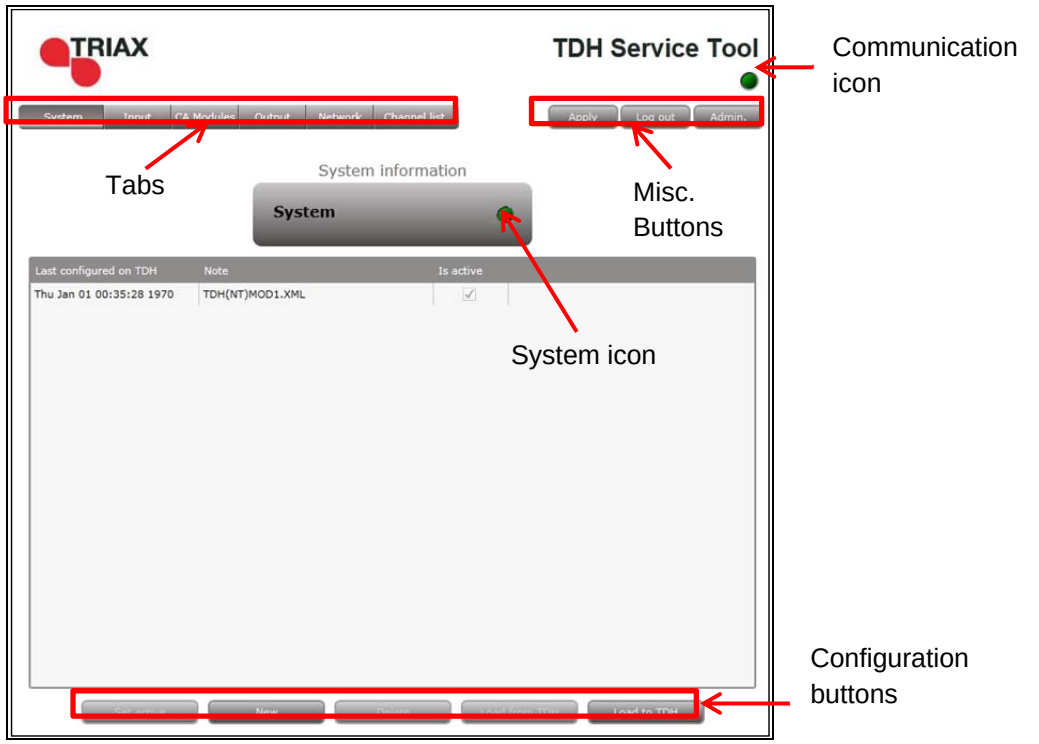
4. Enter the password.
5. Press the **Log in** button.

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.

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** Service tool access control.
- **Admin**.- Opens the settings for service tool window, where language, location, time zone, and initial IP addresses are specified.

Configuring DVB-T/T2 input modules

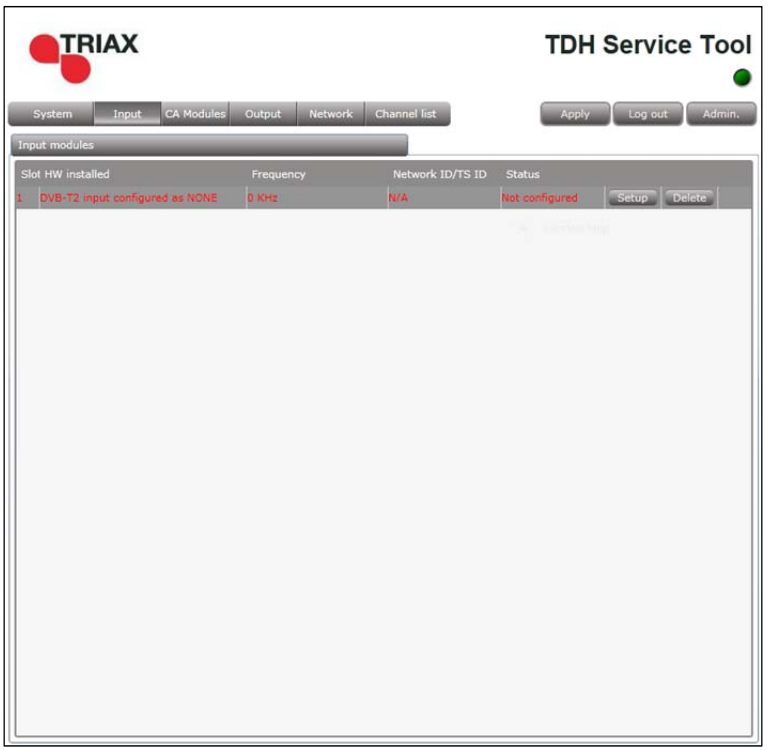
Pre-requisites

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

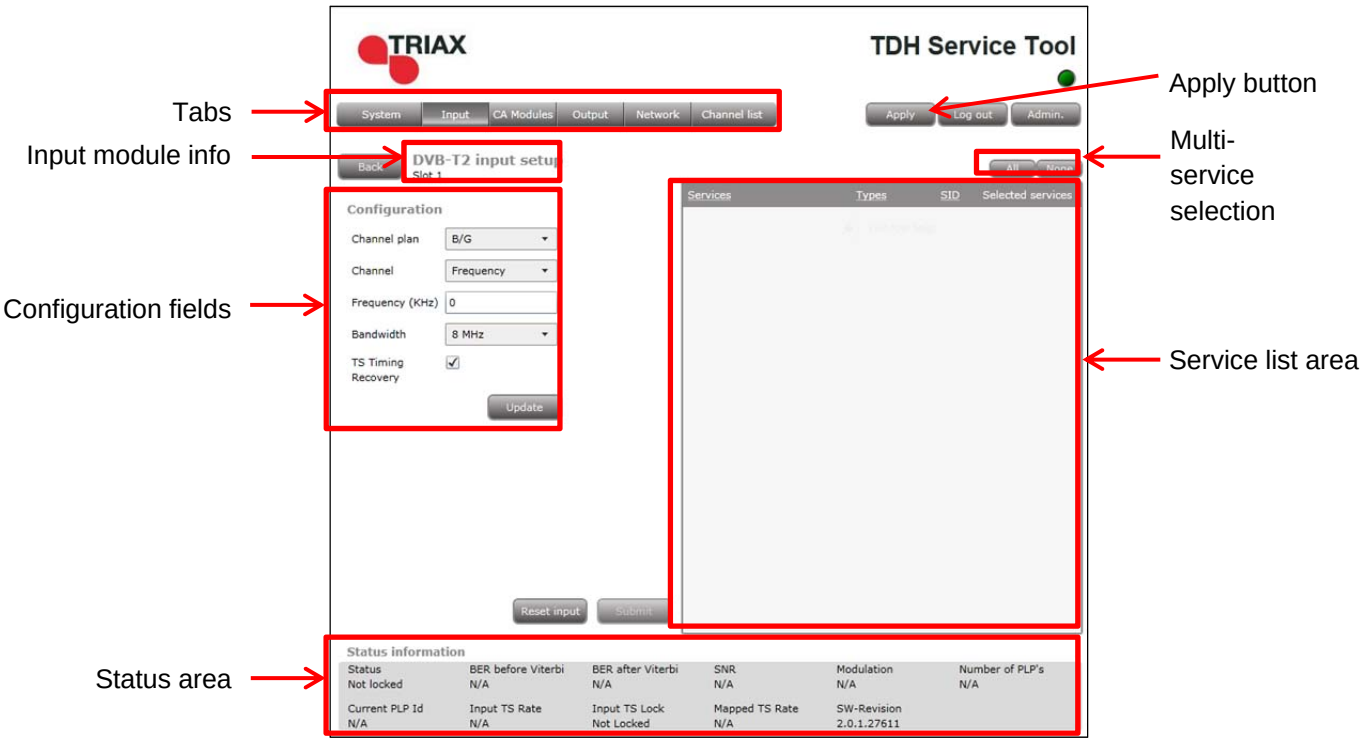
See the TDH 800 Headend User Guide for information on inserting the input module into the TDH 800 headend.

Configuration

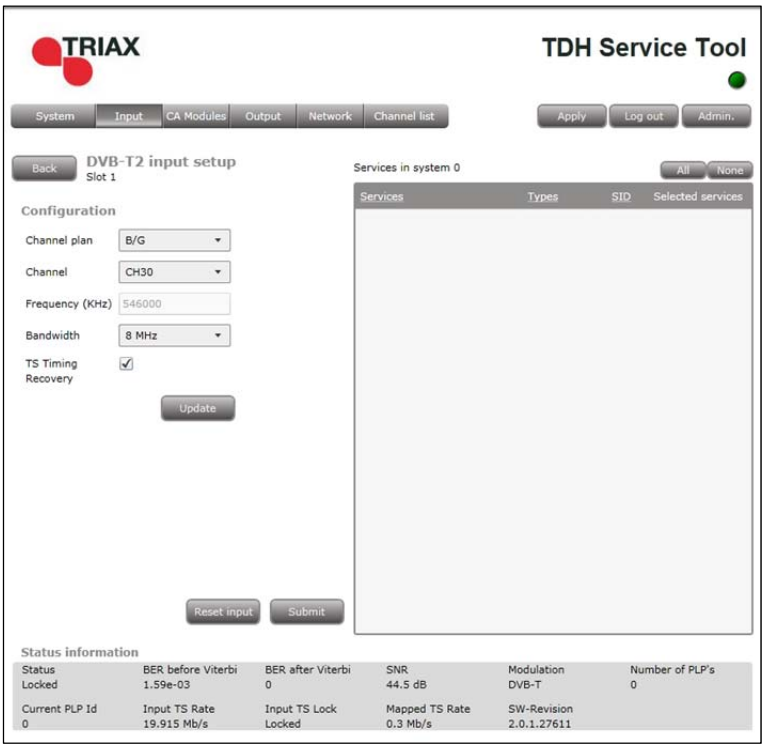
1. Select the **Input** tab in the TDH Service Tool.



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



Default values are displayed when the configuration tab is opened for the first time. Note also that the service list area is empty.



3. Select the relevant **Channel plan**.
4. Select the relevant **Channel**.

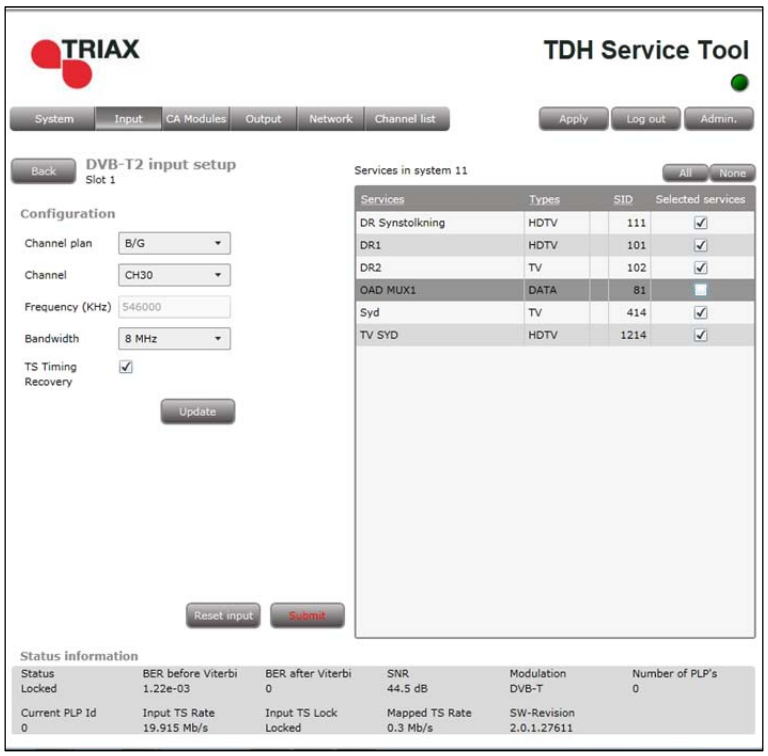
The **Frequency** and **Bandwidth** fields are populated with default values for the selections made in the **Channel plan** and **Channel** drop down

lists. These values can be modified if required.

Note:

The **TS Timing Recovery** checkbox is activated by default, and provides an additional input buffer to secure the robustness of the input signal. It may be necessary in some regions/countries to turn this setting off to avoid picture pixilation.

5. Press the **Update** button.

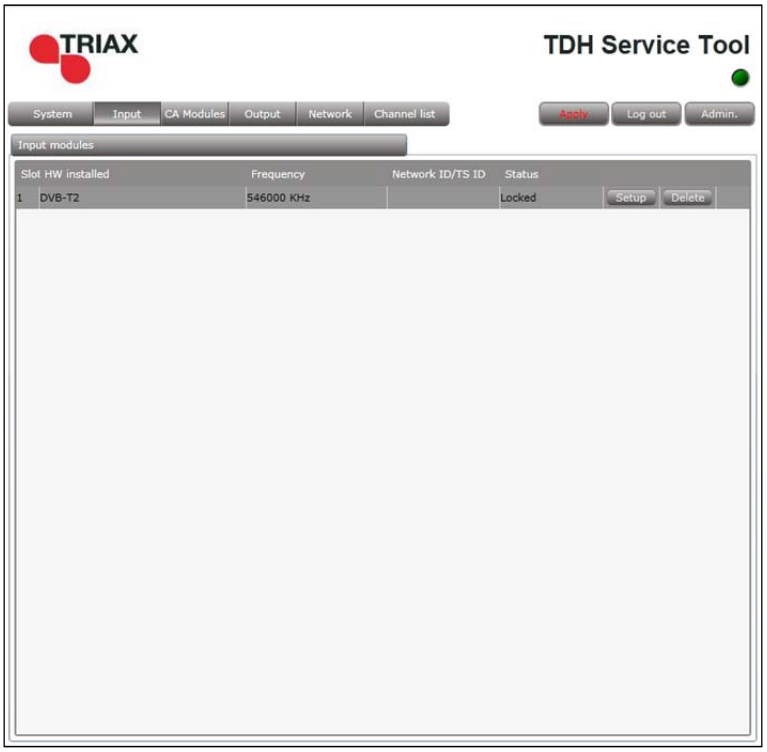


The services list area is populated with the services that can be delivered from the input module.

6. Press the **All** button to make all the services in the services list area available in the TDH pool, or, alternatively select individual services by checking the relevant check box.
7. Press the **Submit** button.
8. View the status information at the bottom of the page to check that the input module is functioning correctly:

Field	Contents
Status	Whether the input module is locked or not.
BER before Viterbi	Displays the Bit Error Rate (BER) before going through the error correction block.
BER after Viterbi	Displays BER after the error correction block (
SNR	Displays the Signal-to-noise ratio (SNR) of the signal from the input module.

Modulation	The modulation type being used.
Number of PLP's	The number of Physical Layer Pipes (PLP) that are available on the input.
Current LPL Id	Displays the ID of the selected PLP.
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.
	Update the software for the entire TDH 800 headend (including input/output modules) if this is not the case.



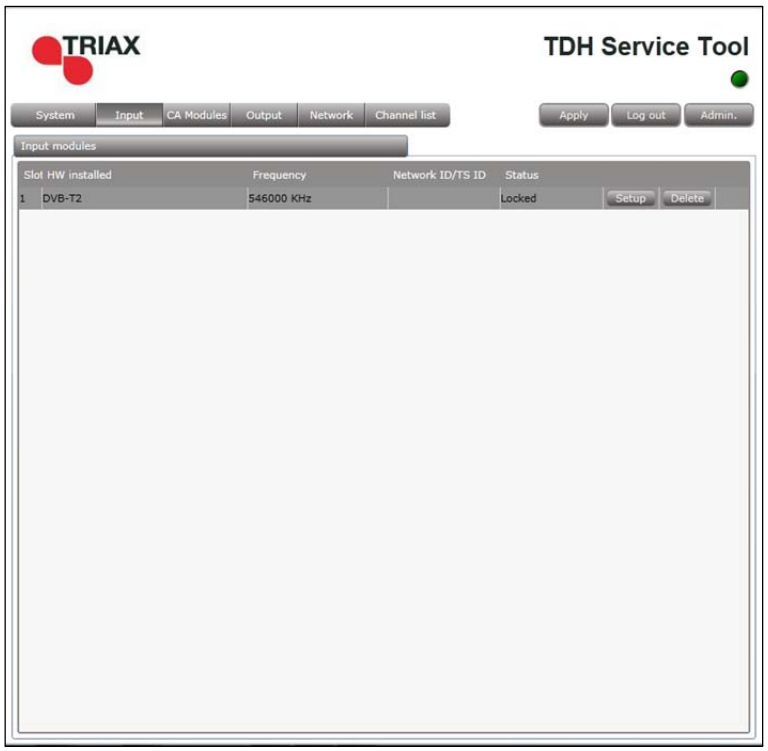
9. Press the **Apply** button.

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 **Submit** button.
4. Press the **Apply** button in the **Configuration** window

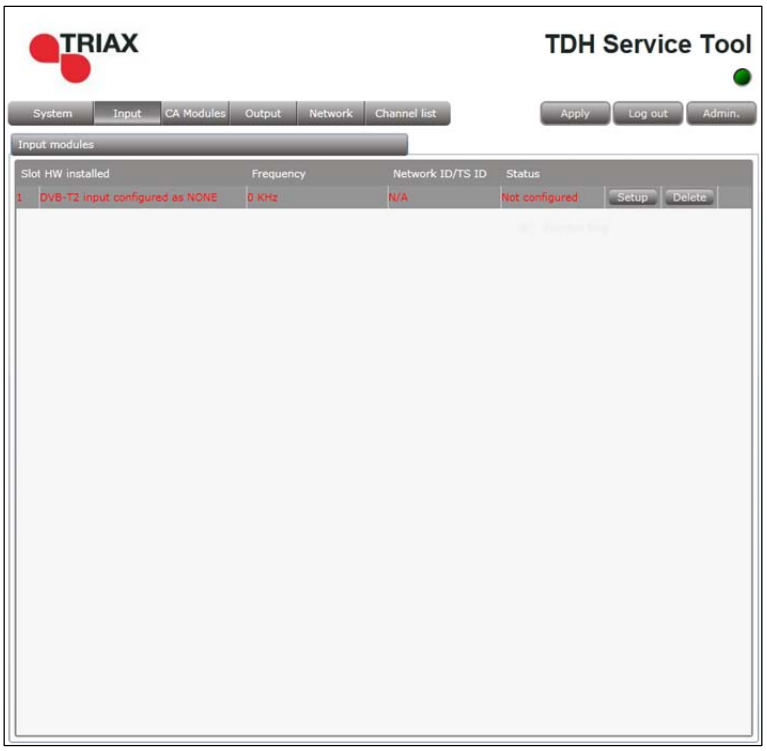
Deleting



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. Turn on the headset.
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:

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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: