

TDcH Compact headend

Lesson 05: IP-input

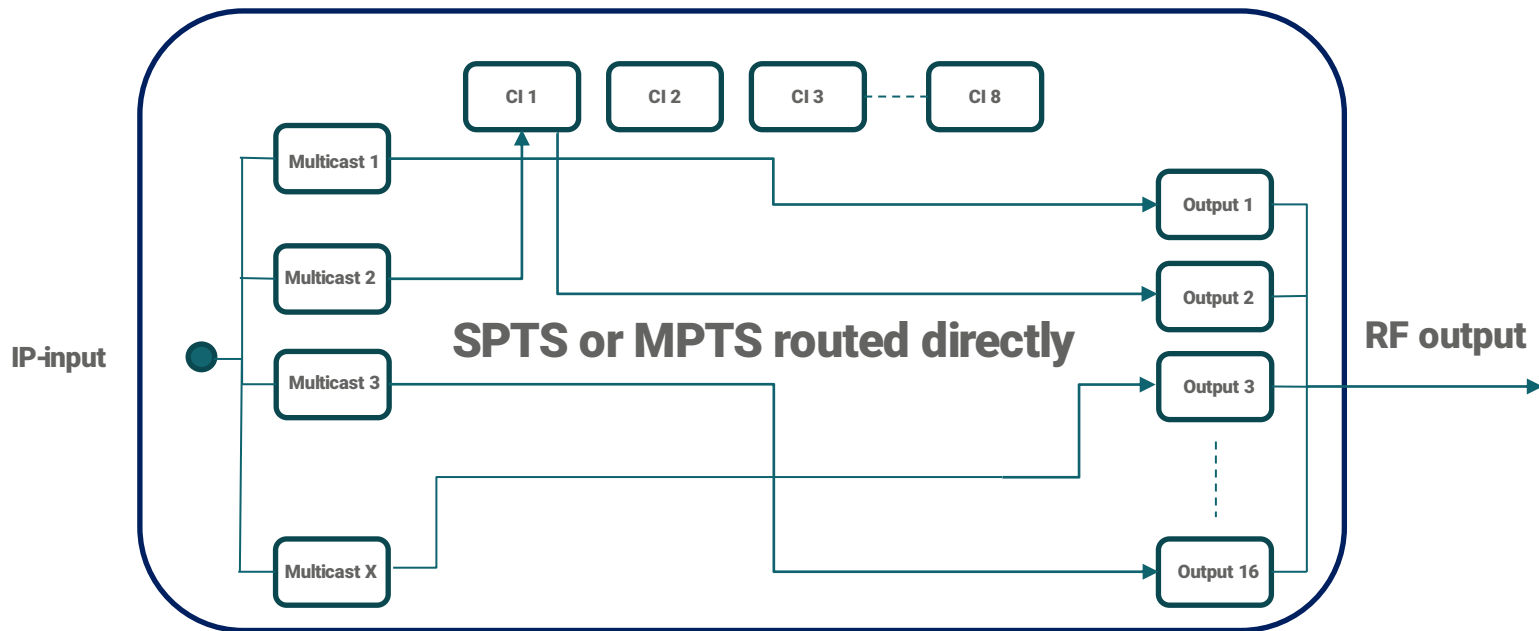
Compact headend

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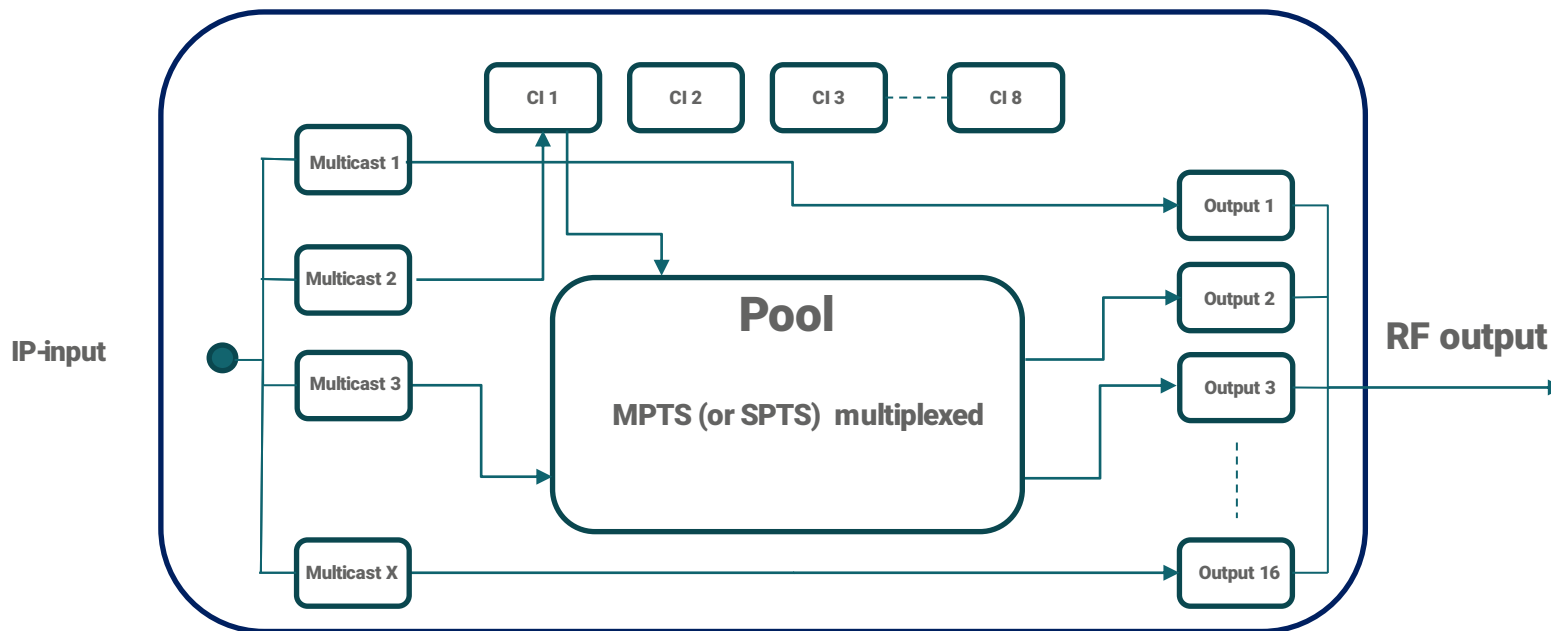
Compact Headend



Compact Headend



Compact Headend



Compact Headend

Settings: SFP configuration

Modify default IP-address and subnet mask (if needed).

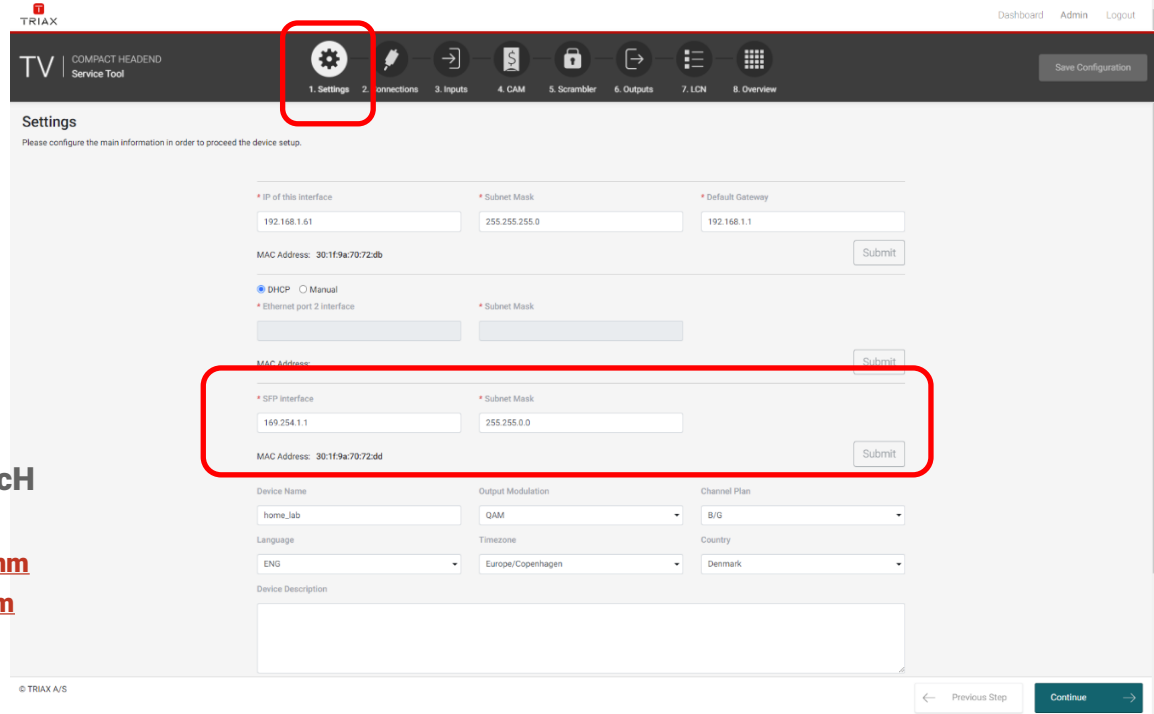
Note:

SFP's used with TDx are compatible with TDcH

[Article number: 492086 / SFP Module - Copper RJ45](#)

[Article number: 492088 / SFP Module - Fibre LC 1310nm](#)

[Article number: 492087 / SFP Module - Fibre LC 850nm](#)



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TV COMPACT HEADEND Service Tool

1. Settings 2. connections 3. inputs 4. CAM 5. Scrambler 6. Outputs 7. LCN 8. Overview

Dashboard Admin Logout

Save Configuration

Settings

Please configure the main information in order to proceed the device setup.

* IP of this interface 192.168.1.61 * Subnet Mask 255.255.255.0 * Default Gateway 192.168.1.1
MAC Address: 30:1f:9a:70:72:db Submit

☒ DHCP ☐ Manual
* Ethernet port 2 interface * Subnet Mask
MAC Address: Submit

* SFP Interface 169.254.1.1 * Subnet Mask 255.255.0.0
MAC Address: 30:1f:9a:70:72:dd Submit

Device Name home_lab Output Modulation QAM Channel Plan B/G
Language ENG Timezone Europe/Copenhagen Country Denmark
Device Description

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Compact Headend

Input page

- DVB-T or DVB-C
- DVB-S/S2/S2X
- IP (UDP/RTP)
 - MPTS
 - SPTS

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COMPACT HEADEND
Service Tool

1. Settings 2. Connections 3. Inputs 4. CAM 5. Scrambler 6. Outputs 7. LCN 8. Overview

Save Configuration

RF Input IP Input

Configure Tuners to connect to the desired providers and get their services.

Terrestrial and Cable

TUNER	DEMODULATION	CHANNEL	BANDWIDTH	PLP	TUNE
T01	DVB-T2	0 MHz	8 MHz	0	
T02	DVB-T2	0 MHz	8 MHz	0	
T03	DVB-T2	0 MHz	8 MHz	0	
T04	DVB-T2	0 MHz	8 MHz	0	
T05	DVB-T2	0 MHz	8 MHz	0	
T06	DVB-T2	0 MHz	8 MHz	0	

Satellite

TUNER	INPUT	FREQ (MHz)	SYMBOL RATE	TUNE
S1	1. DVB-S2	0	0	
S2	1. DVB-S2	0	0	
S3	1. DVB-S2	0	0	
S4	1. DVB-S2	0	0	
S5	1. DVB-S2	0	0	
S6	1. DVB-S2	0	0	
S7	1. DVB-S2	0	0	
S8	1. DVB-S2	0	0	
S9	1. DVB-S2	0	0	

Service List

NAME	TYPE	SID	TSID	ONID	SOURCE
Q Search					
All					

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IP input selected
(click on tab to select)

IP-input requires a license

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1. Settings 2. Connections 3. Inputs 4. CAM 5. Scrambler 6. Outputs 7. LCN 8. Overview

Save Configuration

RF Input IP Input

Total Rate

0 of ~950 Mbit/s

New IP Input

IP ADDRESS UDP PORT SOURCE ADDRESS EIT DETECTED RATE SEARCH

Service List

NAME TYPE SID TSID ONID SOURCE

Q Search

All

RF Input IP Input

Total Rate

0 of ~950 Mbit/s

IP ADDRESS UDP PORT SOURCE ADDRESS EIT D

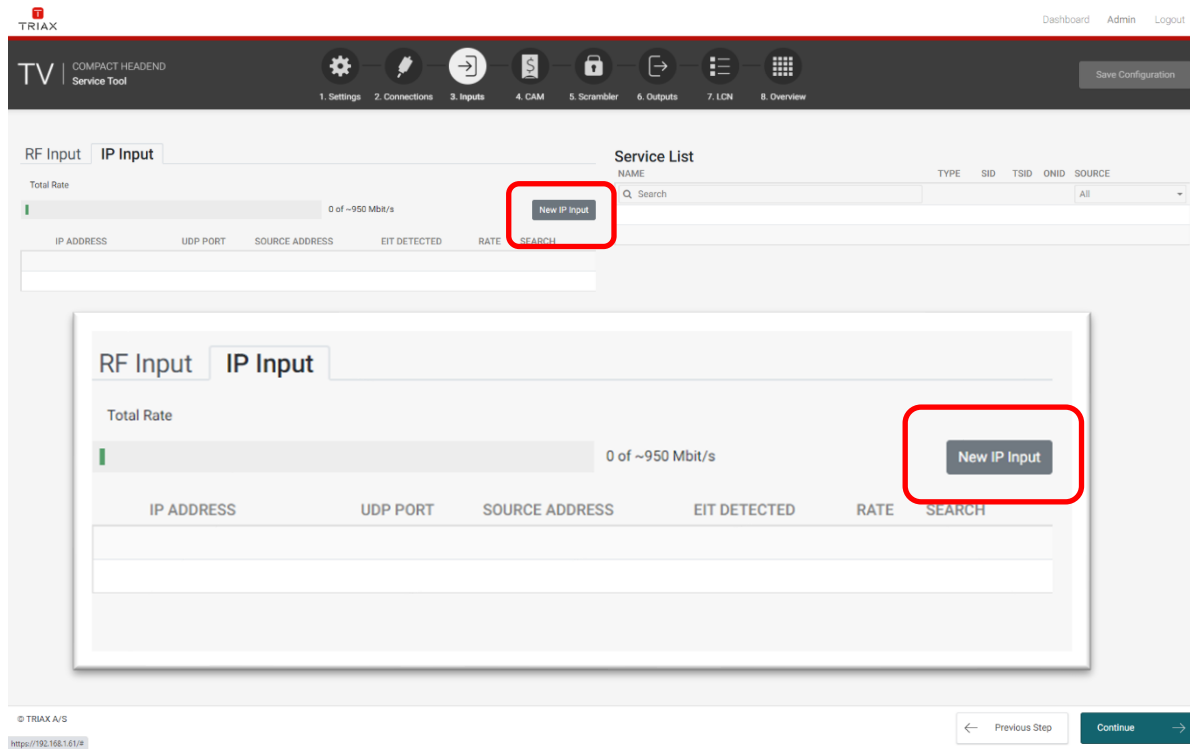
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Compact Headend

Configure IP-input
Click “New IP Input”



The screenshot displays the TRIAX Compact Headend Service Tool interface. At the top, there is a navigation bar with icons for Settings, Connections, Inputs, CAM, Scrambler, Outputs, LCN, and Overview. The 'Inputs' icon is selected. Below the navigation bar, the 'Service List' section is visible, featuring a 'New IP Input' button highlighted with a red rectangle. The interface also shows a 'Total Rate' meter and a table with columns for IP ADDRESS, UDP PORT, SOURCE ADDRESS, EIT DETECTED, RATE, and SEARCH. A modal window is open, showing the same 'New IP Input' button highlighted with a red rectangle.

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TV | COMPACT HEADEND Service Tool

1. Settings 2. Connections 3. Inputs 4. CAM 5. Scrambler 6. Outputs 7. LCN 8. Overview

Save Configuration

RF Input IP Input

Service List

NAME TYPE SID TSID ONID SOURCE

Q Search

New IP Input

IP ADDRESS UDP PORT SOURCE ADDRESS EIT DETECTED RATE SEARCH

Total Rate

0 of ~950 Mbit/s

RF Input IP Input

Total Rate

0 of ~950 Mbit/s

New IP Input

IP ADDRESS UDP PORT SOURCE ADDRESS EIT DETECTED RATE SEARCH

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Compact Headend

Configure IP-input

Enter

- IP
- Port
- Source
- “Search”

I have 3 multicast examples:

239.10.10.1:1234 (MPTS)

239.10.10.2:1234 (SPTS)

239.1.1.1:50176 (Barker channel)

The screenshot displays the TRIAX Compact Headend Service Tool interface. At the top, there is a navigation bar with icons for Settings, Connections, Inputs, CAM, Scrambler, Outputs, LCN, and Overview. The 'Inputs' tab is selected. Below the navigation bar, the 'RF Input' and 'IP Input' tabs are visible, with 'IP Input' being the active tab. The 'Total Rate' section shows a progress bar at 0 of ~950 Mbit/s and a 'New IP Input' button. Below this is a table with columns: IP ADDRESS, UDP PORT, SOURCE ADDRESS, EIT DETECTED, RATE, and SEARCH. A modal window is open, showing a detailed view of the 'IP Input' configuration. It includes the same 'Total Rate' section, but the progress bar is at 15 of ~950 Mbit/s. The table in the modal shows one entry with IP ADDRESS 239.10.10.1, UDP PORT 1234, and a rate of 15 Mbit/s. The 'EIT DETECTED' column has a red 'X' icon. The 'SEARCH' column has a magnifying glass icon. At the bottom of the modal, there are 'Previous Step' and 'Continue' buttons.

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COMPACT HEADEND
Service Tool

1. Settings 2. Connections 3. Inputs 4. CAM 5. Scrambler 6. Outputs 7. LCN 8. Overview

Save Configuration

RF Input IP Input

Total Rate
0 of ~950 Mbit/s
New IP Input

IP ADDRESS	UDP PORT	SOURCE ADDRESS	EIT DETECTED	RATE	SEARCH

Service List

NAME	TYPE	SID	TSID	ONID	SOURCE
Q Search					

RF Input IP Input

Total Rate
15 of ~950 Mbit/s
New IP Input

IP ADDRESS	UDP PORT	SOURCE ADDRESS	EIT DETECTED	RATE	SEARCH
239.10.10.1	1234		X	15 Mbit/s	🔍 🗑️

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https://192.168.1.61/#

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Compact Headend

Configure IP-input

Enter

- IP
- Port
- Source
- “Search”

I have 3 multicast examples.

The MPTS & SPTS are without EIT:

239.10.10.1:1234 (MPTS)

239.10.10.2:1234 (SPTS)

239.1.1.1:50176 (Barker channel)

The screenshot displays the TRIAX Compact Headend Service Tool interface. The top navigation bar includes tabs for Settings, Connections, Inputs, CAM, Scrambler, Outputs, LCN, and Overview. The main content area is divided into two sections: RF Input and IP Input. The IP Input section shows a table with columns for IP Address, UDP Port, Source Address, EIT Detected, Rate, and Search. Three entries are listed: 239.1.1.1:50176 (Barker channel), 239.10.10.1:1234 (MPTS), and 239.10.10.2:1234 (SPTS). The Service List section on the right shows a table with columns for NAME, TYPE, SID, TSID, ONID, and SOURCE. A red box highlights the first five entries in the Service List: EURONEWS GERMAN SD, Eurosport 1 Deutschland, RTL Austria, RTLZWEI Austria, and SUPER RTL A.

NAME	TYPE	SID	TSID	ONID	SOURCE
EURONEWS GERMAN SD	MPEG2 TV	3	0	43962	239.10.10.1:1234
Eurosport 1 Deutschland	MPEG2 TV	4	0	43962	239.10.10.1:1234
RTL Austria	MPEG2 TV	6	0	43962	239.10.10.1:1234
RTLZWEI Austria	MPEG2 TV	7	0	43962	239.10.10.1:1234
SUPER RTL A	MPEG2 TV	8	0	43962	239.10.10.2:1234

Compact Headend

Notice the EIT detection

I have 3 multicast examples.
The MPTS & SPTS are without EIT:
239.10.10.1:1234 (MPTS)
239.10.10.2:1234 (SPTS)
239.1.1.1:50176 (Barker channel)

The screenshot displays the TRIAX Compact Headend Service Tool interface. The top navigation bar includes tabs for Settings, Connections, Inputs, CAM, Scrambler, Outputs, LCN, and Overview. The main content area is divided into two sections: RF Input and IP Input. The IP Input section shows a table of configured inputs with columns for IP Address, UDP Port, Source Address, EIT Detected status, Rate, and Search. A 'Total Rate' bar indicates 19 of ~950 Mbit/s. A 'Service List' table on the right shows various channels like EURONEWS GERMAN SD, Eurosport 1 Deutschland, RTL Austria, RTLZWEI Austria, and SUPER RTL A. A modal window is open, showing a detailed view of the IP input configuration with a 'Total Rate' bar indicating 20 of ~950 Mbit/s. The modal table shows three inputs: 239.1.1.1:50176 (EIT Detected: green checkmark, Rate: 0.4 Mbit/s), 239.10.10.1:1234 (EIT Detected: red X, Rate: 17 Mbit/s), and 239.10.10.2:1234 (EIT Detected: red X, Rate: 2 Mbit/s). The interface also includes a 'New IP Input' button and a 'Save Configuration' button.

IP ADDRESS	UDP PORT	SOURCE ADDRESS	EIT DETECTED	RATE	SEARCH
239.1.1.1	50176		✓	0.4 Mbit/s	
239.10.10.1	1234		✗	13 Mbit/s	
239.10.10.2	1234		✗	6 Mbit/s	

NAME	TYPE	SID	TSID	ONID	SOURCE
EURONEWS GERMAN SD	MPEG2 TV	2	0	43962	239.10.10.1:1234
Eurosport 1 Deutschland	MPEG2 TV	3	0	43962	239.10.10.1:1234
RTL Austria	MPEG2 TV	5	0	43962	239.10.10.1:1234
RTLZWEI Austria	MPEG2 TV	6	0	43962	239.10.10.1:1234
SUPER RTL A	MPEG2 TV	7	0	43962	239.10.10.2:1234

Compact Headend

To use the Barker channel, Unfold and select this on input stream.

The screenshot displays the TRIAX Compact Headend Service Tool interface. The top navigation bar includes icons for Settings, Connections, Inputs, CAM, Scrambler, Outputs, LCN, and Overview. The main content area is divided into two sections: RF Input and IP Input. The IP Input section shows a 'Total Rate' of 21 of ~950 Mbit/s. A 'Service List' table is visible, listing services like 'EURONEWS GERMAN SD' and 'MIRRO TV'. A modal window for 'IP Input' is open, showing a table with columns for IP ADDRESS, UDP PORT, SOURCE ADDRESS, EIT DETECTED, RATE, and SEARCH. The table lists three IP addresses: 239.1.1.1, 239.10.10.1, and 239.10.10.2. The 'EIT source' dropdown menu is open, showing options: '239.1.1.1:50176', 'Use internal EIT', and '239.1.1.1:50176'. The 'Continue' button is highlighted.

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COMPACT HEADEND
Service Tool

1. Settings 2. Connections 3. Inputs 4. CAM 5. Scrambler 6. Outputs 7. LCN 8. Overview

Save Configuration

RF Input IP Input

Total Rate 19 of ~950 Mbit/s New IP Input

Service List

NAME	TYPE	SID	TSID	ONID	SOURCE
EURONEWS GERMAN SD					
MIRRO TV		2	0	43962	239.10.10.1:1234

Total Rate 21 of ~950 Mbit/s New IP Input

IP ADDRESS	UDP PORT	SOURCE ADDRESS	EIT DETECTED	RATE	SEARCH
239.1.1.1	50176		✓	0.5 Mbit/s	
239.10.10.1	1234		✗	17 Mbit/s	
239.10.10.2	1234				

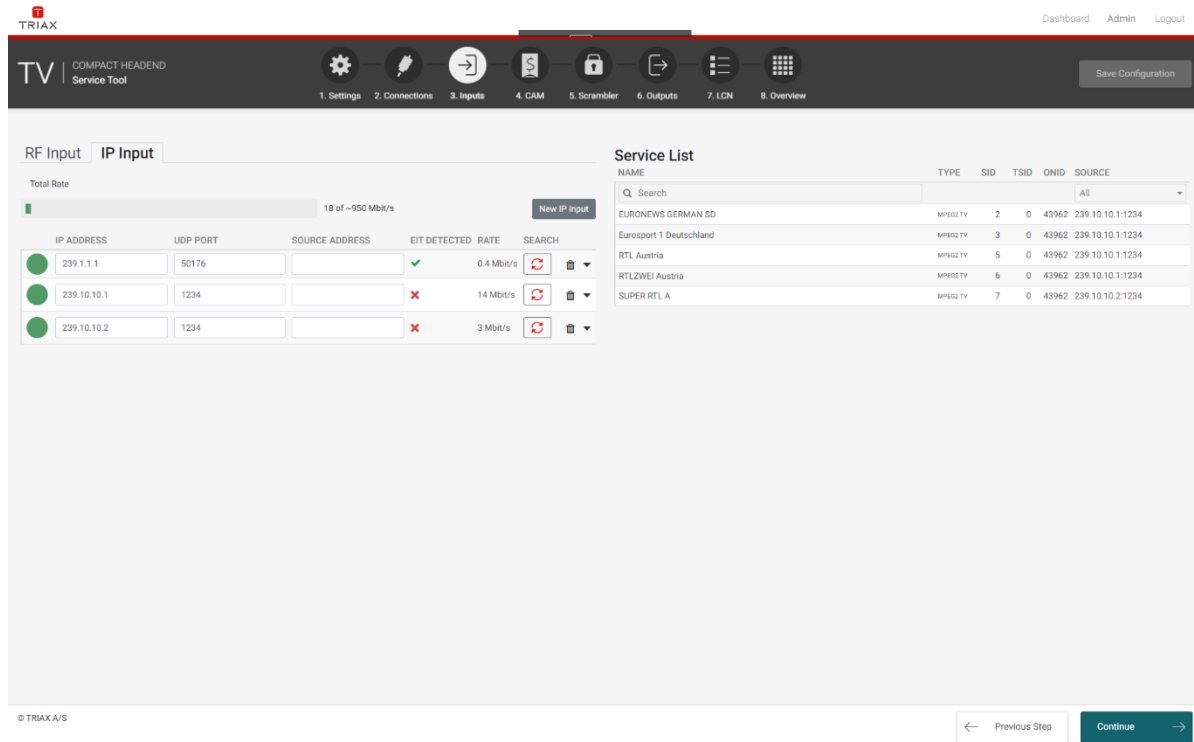
EIT source: 239.1.1.1:50176 Use internal EIT 239.1.1.1:50176

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Compact Headend

Save configuration



The screenshot displays the TRIAX Compact Headend Service Tool interface. The top navigation bar includes tabs for 1. Settings, 2. Connections, 3. Inputs, 4. CAM, 5. Scrambler, 6. Outputs, 7. LCN, and 8. Overview. The 'Inputs' tab is active, showing 'RF Input' and 'IP Input' sub-tabs. The 'IP Input' sub-tab is selected, displaying a 'Total Rate' of 18 of ~950 Mbit/s and a 'New IP Input' button. Below this is a table with columns for IP ADDRESS, UDP PORT, SOURCE ADDRESS, EIT DETECTED, RATE, and SEARCH. The table contains three entries:

IP ADDRESS	UDP PORT	SOURCE ADDRESS	EIT DETECTED	RATE	SEARCH
239.1.1.1	50176		✓	0.4 Mbit/s	 
239.10.10.1	1234		✗	14 Mbit/s	 
239.10.10.2	1234		✗	3 Mbit/s	 

On the right side, the 'Service List' section shows a table with columns for NAME, TYPE, SID, TSID, ONID, and SOURCE. The table contains five entries:

NAME	TYPE	SID	TSID	ONID	SOURCE
EURONEWS GERMAN SD	MP102 TV	2	0	43962	239.10.10.1:1234
Eurosport 1 Deutschland	MP102 TV	3	0	43962	239.10.10.1:1234
RTL Austria	MP102 TV	5	0	43962	239.10.10.1:1234
RTLZWEI Austria	MP102 TV	6	0	43962	239.10.10.1:1234
SUPER RTL A	MP102 TV	7	0	43962	239.10.10.2:1234

At the bottom of the interface, there are navigation buttons: 'Previous Step' and 'Continue'.

THANK YOU FOR ATTENDING