

TRIAX A/S

TDX/TDH800 Release

4.8.1.40682

SUMMARY

Release description of TDX and TDH800 software release

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TDX & TDH800 Public Release Description

1 Introduction

Purpose of this document is in short to describe features delivered in the software version it refers to.

2 Requirements

This release supports all TDX and TDH800 hardware, except prerelease modules shipped without serial number (before 2010-12-08).

3 New features

List of new features added in release 4.8.1.40682, since last release 4.7.1.39843.

3.1 CAM module management

- The new CAM module form the operator JOYNE is now supported and can be used in the TDX and TDH 800.

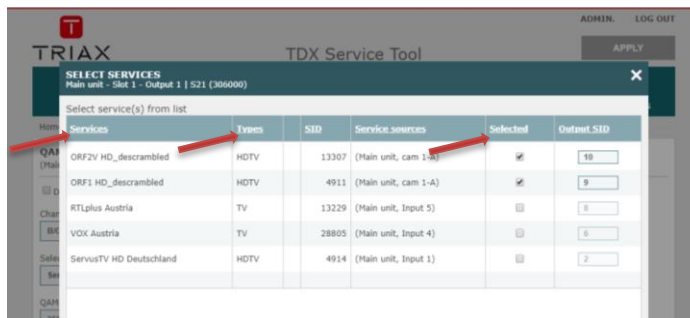


- The video and audio stream category types are updated.
HEVC stream type are now categorized as a video type and can also be descrambled.

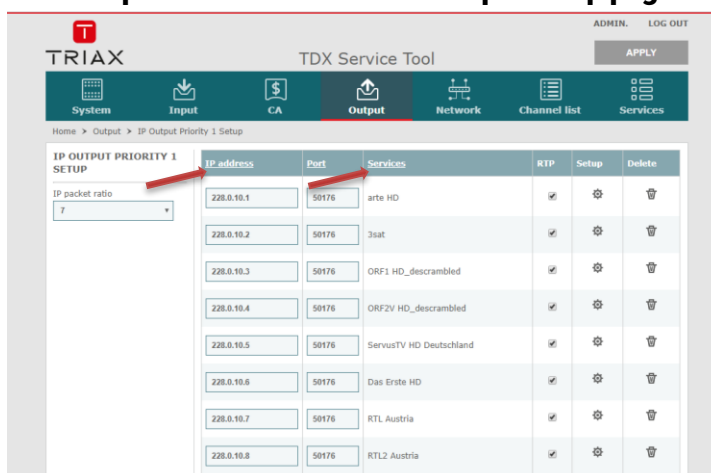
3.2 User interface

- It is now possible to sort in the "Select Services" window at the digital output page. This helps to administrate the selected services in case to find services or to use services from one frontend or main unit.

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- It is now possible to sort at the IP output setup page.

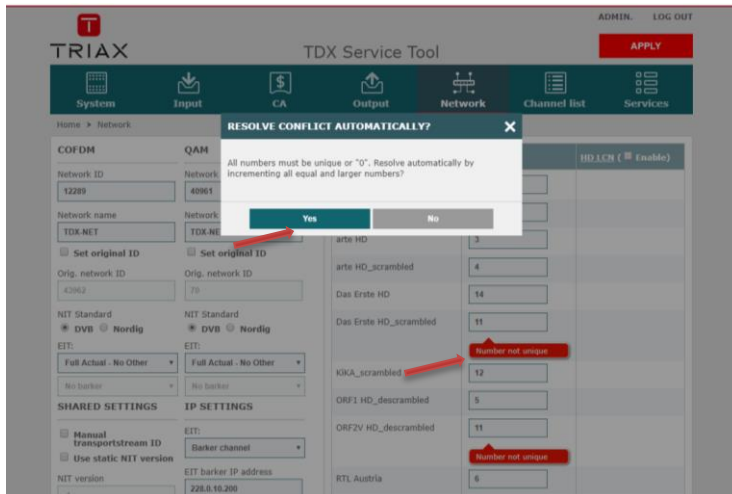


- In the LCN management tap it is now possible to select alpha sorted for the services.

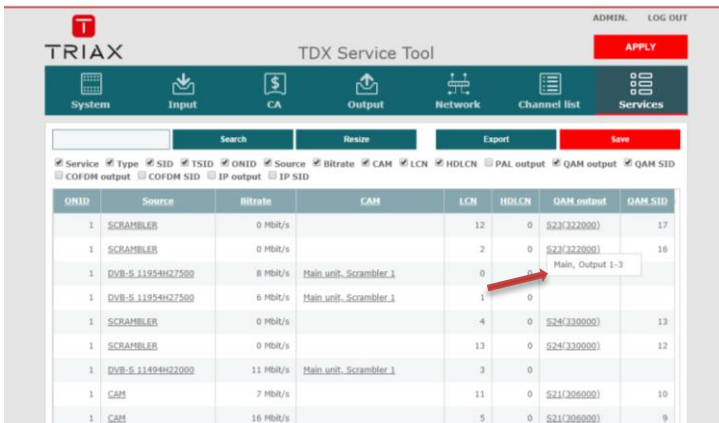


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- When inserting a LCN number in the LCN list then is a warning now given as shown below. Additional to that the systems makes a proposal to resolve the issue automatically by incrementing all equal and larger LCN numbers.

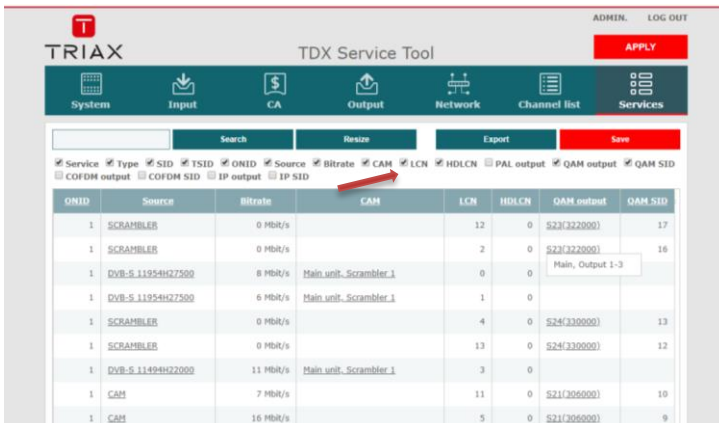


- A description of the output is added at the Select Services page. Implemented as roll over.



ONID	Source	Bitrate	CAM	LCN	HDLCN	QAM output	QAM SID
1	SCRAMBLER	0 Mbit/s		12	0	523/322000	17
1	SCRAMBLER	0 Mbit/s		2	0	523/322000	16
1	DVB-S 11954H27500	8 Mbit/s	Main unit Scrambler 1	0	0	Main, Output 1-3	
1	DVB-S 11954H27500	6 Mbit/s	Main unit Scrambler 1	1	0		
1	SCRAMBLER	0 Mbit/s		4	0	524/330000	13
1	SCRAMBLER	0 Mbit/s		13	0	524/330000	12
1	DVB-S 11494H22000	11 Mbit/s	Main unit Scrambler 1	3	0		
1	CAM	7 Mbit/s		11	0	521/306000	10
1	CAM	16 Mbit/s		5	0	521/306000	9

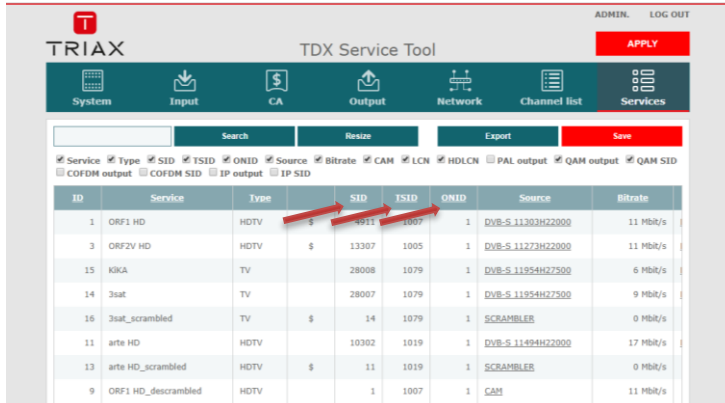
- It is now possible to select LCN and HDLCN column at the Services page.



ONID	Source	Bitrate	CAM	LCN	HDLCN	QAM output	QAM SID
1	SCRAMBLER	0 Mbit/s		12	0	523/322000	17
1	SCRAMBLER	0 Mbit/s		2	0	523/322000	16
1	DVB-S 11954H27500	8 Mbit/s	Main unit Scrambler 1	0	0	Main, Output 1-3	
1	DVB-S 11954H27500	6 Mbit/s	Main unit Scrambler 1	1	0		
1	SCRAMBLER	0 Mbit/s		4	0	524/330000	13
1	SCRAMBLER	0 Mbit/s		13	0	524/330000	12
1	DVB-S 11494H22000	11 Mbit/s	Main unit Scrambler 1	3	0		
1	CAM	7 Mbit/s		11	0	521/306000	10
1	CAM	16 Mbit/s		5	0	521/306000	9

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- Both ONID, TSID and SID for the input service are now shown at the Services page.



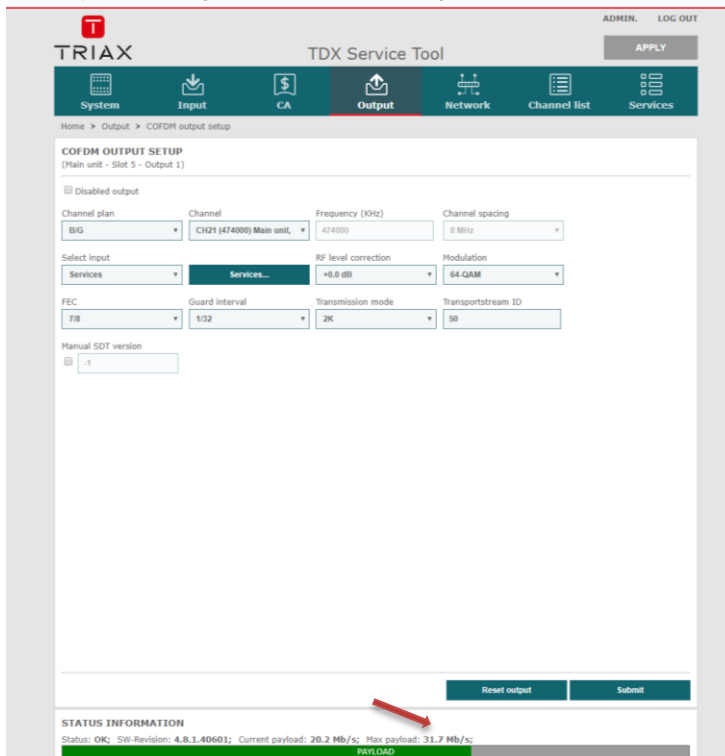
ID	Service	Type	SID	TSID	ONID	Source	Bitrate
1	ORF1 HD	HDTV	4911	1007	1	DVB-S 11303H22000	11 MBit/s
3	ORF2V HD	HDTV	13307	1005	1	DVB-S 11273H22000	11 MBit/s
15	KOKA	TV	28008	1079	1	DVB-S 11954H27500	6 MBit/s
14	3sat	TV	28007	1079	1	DVB-S 11954H27500	9 MBit/s
16	3sat_scrambled	TV	14	1079	1	SCRAMBLER	0 MBit/s
11	arte HD	HDTV	10302	1019	1	DVB-S 11494H22000	17 MBit/s
13	arte HD_scrambled	HDTV	11	1019	1	SCRAMBLER	0 MBit/s
9	ORF1 HD_descrambled	HDTV	1	1007	1	CAM	11 MBit/s

4 Bug fixes

List of bug fixes corrected in release 4.8.1.40682, since last release 4.7.1.39843.

4.1 COFDM Backend

- Wrong "Max payload" value displayed at COFDM backend is now corrected.



COFDM OUTPUT SETUP
(Main unit - Slot 5 - Output 1)

☐ Disabled output

Channel plan: BIG Channel: CH21 (474000) Main unit, Frequency (KHz): 474000 Channel spacing: 8 MHz

Select input: Services RF level correction: +0.0 dB Modulation: 64-QAM

FEC: 7/8 Guard interval: 1/32 Transmission mode: 2K Transportstream ID: 50

Manual SDT version: -1

Reset output Submit

STATUS INFORMATION
Status: OK; SW-Revision: 4.8.1.40682; Current payload: 20.2 Mb/s; Max payload: 31.7 Mb/s

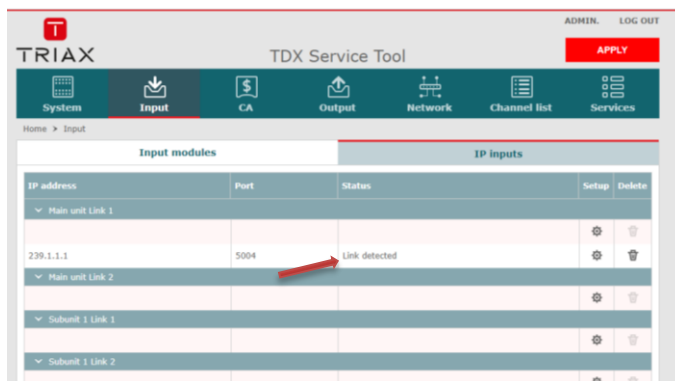
4.2 CAM module management

- Submit button was not changing to red after configuring a CAM module.

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4.3 IP-in

- It was not possible to save the service name at IP-in.
- It was difficult to update service name due to GUI refresh.
- It was not possible to alpha sort the IP-in services list.
- Link detected status is now shown as a status.



4.4 IP-out

- It is no longer possible to assign same IP multicast address multiple times.

4.5 User interface

- Service list export is now separated with “;” instead of “,”.

```
services - Editor
Datei Bearbeiten Format Ansicht ?
ID;Service;Type;Available;SID;TSID;ONID;Source;Input;
1;ORF 1 HD;HDTV;$;4911;1007;1;DVB-S 11303H22000;"Main,
2;ServusTV HD Deutschland;HDTV; ;4914;1007;1;DVB-S 11
3;ORF 2V HD;HDTV;$;13307;1005;1;DVB-S 11273H22000;"Mai
4;Das Erste HD;HDTV; ;10301;1019;1;DVB-S 11494H22000;
5;RTL Austria;TV; ;28800;1091;1;DVB-S 12226H27500;"Ma
6;VOX Austria;TV; ;28805;1091;1;DVB-S 12226H27500;"Ma
```

- Service List can now handle special Hungarian character.
- Some Hungarian characters were replaced by “?” and this is now corrected.
- Some Hungarian characters were not shown in the CAM menu.
- Some Hungarian translations were wrong and now updated.
- “Load to TDX” and “Load from TDX” buttons were not language updated by language change.
- LCN number sorting did not work as according to what you could see at the screen.

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- **It is now not possible to assign negative LCN numbers.**
- **It was possible to assign the same LCN number value.**
- **Services page had alignment issues.**
- **Alignment issues because of language phrases at different pages are solved now.**
- **Alignment issues because of long service names is corrected.**
- **It was possible to remove/loose services when a Frontend had no signal and the “submit” button was pressed at the input setup page.**
- **The check boxes are not within the Services page.**
- **Same SID value could be set multiple times at Select Services page for outputs. This is now corrected.**
- **Sorting services at Service Select page for input does not work after multiple time press at sorting.**
- **If settings for PAL output was modified, then did the “Apply” button not change to red. This is now solved**