

TRIAX Service update

TDH SW

modifications from version 2.01 to version 4.23

2.02

Change of TV system does not involve a restart now.

2.03

Fix for control of Aston CAM.

2.05

Macroblocking/pixelation/mosaic does not occur any longer.

(New ST video, link and other drivers introduced to prevent macroblocking)

TRIAX logo reintroduced in OSD.

"Error:" removed in error message display ("Error: Signaleror 2.4" _ "Signaleror 2.4").

2.06

MODEM corrections. MODEM of Trust-brand runs better now.

2.07

Output carrier is now automatically put ON on change of output frequency or output channel in the Output menu.
SR01 to SR08 added for system D/K Frequency set for the modulator is now being saved

2.08

Save in the output menu now saves everything (also input settings) if PID has been set for Program ID, Program number or Video ID Changes in the input menu now become effective immediately Audio level moved from service menu to output menu In case of Signal error 2.5 audio and video are no longer being stopped. Wide Screen Signalling (WSS) information is now sent in line 23 on the basis of conversion settings in the modulator.

2.09

FM modulator modules can now be handled.

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2.14

Signal quality menu added.

Inopportune features of colour carrier wave for DVB-T modules corrected. The inopportune features had been introduced in version 2.05.

Change of service (channel) on the German channel NDR SH is now detected

2.15

Control of new TV modulators in various types introduced as the old TV modulators contained a discontinued SAW filter. This correction does not affect the functionality seen from the user's point of view.

However, the following modules must run with SW 2.15 or newer versions:

- print revision **J** for print **480890** used in DVB-S modules:

- o 490702
- o 490703
- o 490722
- o 490723
- o 490742 new 7MHz module
- o 490743 new 7MHz module
- o 490762 new 7MHz module
- o 490763 new 7MHz module

- print revision **E** for print **480900** used in DVB-T modules:

- o 490712
- o 490713
- o 490714
- o 490715
- o 490762 new 7MHz module
- o 490763 new 7MHz module
- o 490764 new 7MHz module
- o 490765 new 7MHz module

2.16

I2C communication made more stable.

Minor corrections of errors introduced in versions newer than 2.01:

- Signal quality menu can now only be accessed by modules with frontend.
- Search on a transponder via TDHManager now works the first time each time.
- The "Conditional Access" button is only active if it is a CI module.

2.17

Longer time with "error 2.3" on a DVB-S module with CI does now not result in blocking.

Minor corrections of errors introduced in version 2.16:

- DVB-S for FM modules does not indicate error 4.2 on start-up.

- Search on invalid signal with DVB-S module does not result in menu timeout but in an error message about invalid signal.

Error resulting in black screen and no sound for 2 minutes after update corrected. Introduced in version 2.09.

Set-up of Secam for the modulator now works for the new modules described under version 2.15.

Modulation index in System L has been increased by 5% compared to earlier.

2.18

Now only system "Pal BG" can be selected for 7MHz band width and A2 stereo modules.

The DVBS_Output_VSB_II menu is indicated in stead of the DVBS_Output menu.



3.00

Languages updated with German, French, Norwegian, Polish, Finnish, Swedish and Czech.

3.01

Modulation index in System L (secam) has again been decreased by 5% so that it corresponds to earlier versions before version 2.17.

Audio level and 16:9 settings have been removed in 7MHz modulator modules and stereo modulator modules.

3.02

Correction only applies for 490726 8MHz modulator modules with A2. The output menu does not work for this module type in version 3.01.

3.05

The following modifications have been made:

Error codes are no longer indicated on the TV screen.

FM modulator modules now start up correctly (till now only delivered as samples (3 units)).

Italian and Dutch language introduced in menu.

DVB-S modules no longer restart by poor signal.

System D/K can now be set for modules with A2.

Australian and New Zealand channel raster introduced.

4.00

QPSK-QAM transmodulator module added.

Handling of module with NICAM stereo added.

Handling of services there from the broadcasters is send as timeshare services can now be handled with preferred and alternative language settings for audio and subtitle.

When making a search at the same transponder then is the save service now selected and showed instead of the first in the service list.

Default LOF switch frequency are changed from 11750 to 11700.

The numbers of found services showed in the search menu is correct.

One subtitle line is now only showed in max. 1 minute

4.01

Audio level can now be regulated between -12dB and +9dB with HW revision 3.

Channel list for DVB-T input setting added.

Minor correction for DVB-T modules communication with slave modules.

4.02

NDS Cam can now be used in the TDH Languages updated with Portuguese Updated with 8 new OEM TDH numbers (302700,302702, 302703, 302704, 302705, 302715, 302722, 302723, 302732)

4.03

2 new 490731 and 490733 VHF modules added for QPSK-QAM 100-300 MHz. Triax logo is now default logo in the menu.



4.05

2 new TV channel converter modules added (490775 and 490776).
The Nicam modules now operate with Secam.
PAL I and Secam can be chosen in TV modulator module (490725).
Selected audio language is also saved after power failure.

4.06

6 new module types have been added: 591603, 591623, 591613, 591615, 591605 and 591626 all have NICAM for TV system PAL I modules.
Correction: DVB for FM modules can now select "stereo" in manual configuration.

4.07

DVB subtitling.
Extra symbolrate for QAM modul (6875 kSym/sek)

4.07.01.01

Bug fixed in DVB-subtitles. (Missing and flashing subtitles)
Note: Version number is changed when a release only contains bugfixes to a main release. This release is a 4.07 which only contain bugfixes.

4.09

Bug fixed: The TDH can now search on transponder with many services (>60 services)
New tuner is supported. The new tuner support the Nordic Unified standard

4.10

New module (490778) digital channel converter (for DVB-T) supported
Added support for dual tone.
Bugfixes and adjustments to DVB-Subtitling:

In pure 16:9 reception DVB-subtitling is adjusted upwards.
Error with missing DVB-subtitling corrected

4.11

Subtitling menu is setup correctly in the TDH Slave after a restart. (Note: Requires software update to 4.11 on both master and slave modules).

Frequency offset possible on the output channel in the DVB-T channel converter (± 500 KHz).

QAM (490732) updates in the modulation menu. The menu point "Inverted" changed to "Q Inverted". The menu point "Random" is deleted and the menupoint "IQ Inverted" is added.
Only modules produced from week 40, 2006 (and later) is callable to handle IQ inverting. The software still works on older produced QAM modules.



4.12

Polsat programs can now be opened via Nagravision CAM
Aston Crypt CAM version 2.14 now also be used

4.13

The DVB-T channel converter module can now also handle French centre frequency settings.
Error corrected: If the master module was not setup then could the slave module restart when entering input menu. Error introduced in 4.11.
The new DVB-T frontend settings is optimised for handling SFN signals with low C/N.
Check is now done on entered frequency.
QAM settings optimised .

4.14

The DVB-T channel converter module can now also handle Australian centre frequency settings.

4.15

Corrected: The DVB-T modules could not receive a decently signal at channels 50 to 53.

4.16

VPS function added (video start - stop)
QAM adjusted.
Following added in the signal quality menu'en:

RF level for DVB-T added in the signal quality menu'en

C/N added in the signal quality menu'en

If the BER value is to high (poor) then does the user now in the signal quality menu get the information: "> QEF!"

4.17

QAM - The SR can now be entered in the QAM settings menu. Before some fixed values could only be chosen via a "drop down box".

4.18

QAM: The channel list for 100-300MHz is changed so it now contains the centre frequencies.

DVB-S: C-band is now possible to enter again. An error was introduced in version 4.08 where check was added. The check was if the entered value is with in valid range.

PMT version checker: When a new PMT version is found, then is the video, audio, teletext, subtitling,

VPS... not stop and started again unless there is a change for the service.

The QAM FPGA version can now be displayed.

4.19

Neotion CAM for MPEG4 can now handles in the TDH.
Power CAM with Irdeto card can now handles in the TDH.



4.20

Handling of new modulator type and new mixer type.
Frequency offset for a TV CC module type 490778 was not set to the correct after a restart.

4.21

Handling of new DVB-S frontend type.
Fix for teletext for the Austrian market (complain 23641).

4.22

DVB subtitles for danish DR1 (complain 26735,26769,27191,27194)
Sound carrier for system DK (complain 27809).
Measurement of DVB-S C/N and SNR, corrected.
VPS reboot on the Austrian DVB-T, corrected.
Moving service text on screen when running DVB radio, added.

4.23

Fixed - Software deadlock on modules that starts up in a DVB data service. E.g. when doing a search and the first service on the actual transponder/mux is a data service. This made the module reboot. (Complain 28904,28770).

