

# DAB-4c/DAB-4s Release Notes

Version 1.35-rc8  
14.04.2026



# DAB-4c/DAB-4s Release Notes

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## Version 1.35-rc8

### Bundle 14.04.2026:

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.35-rc8.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.35-rc8.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.35-rc8.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.35-rc8.upd) (DAB-4s)

### Fixed Issues

- EDI → ETI converter: When the main source is deactivated, the system switches to the backup source if available. After this switchover, the EDI output is no longer functional.

### Changed functionality

- MIB v2.17:  
For alarm notifications MIB OID's in MIB <= v2.16 had wrong values extending 32 bit. These values are interpreted differently for each used MIB browser as values should be 32 bit wide. The values are now fixed to 32 bit. Only entries in the path "**trapVirtDab4cMonitoringStatus**" are affected.

Below is a table showing all changed MIB entries.

Trap Name	Old Trap Value	New Trap Value
-> all starting with "trapVirtDab4cMonitoringStatus"	(V2.16)	(V2.17)
EditoetiConverterEdiinput1converterbufferlevel	18005626978256	1124074320
EditoetiConverterEdiinput1convertererrors	18005626978261	1124074325
EditoetiConverterEdiinput1converterlatency	18005626978263	1124074327
EditoetiConverterEdiinput1converterpacketjitter	18005626978258	1124074322
EditoetiConverterEdiinput1converterpacketlossrate	18005626978255	1124074319
EditoetiConverterEdiinput1converterpacketrate	18005626978257	1124074321
EditoetiConverterEdiinput1converterpacketreorder	18005626978259	1124074323
EditoetiConverterEdiinput1converterpacketsize	18005626978260	1124074324
EditoetiConverterEdiinput1converterstatus	18005626978262	1124074326
EditoetiConverterEdiinput1converterthroughput	18005626978264	1124074328
EditoetiConverterEdiinput2converterbufferlevel	18005626978266	1124074330
EditoetiConverterEdiinput2convertererrors	18005626978271	1124074335
EditoetiConverterEdiinput2converterlatency	18005626978273	1124074337
EditoetiConverterEdiinput2converterpacketjitter	18005626978268	1124074332
EditoetiConverterEdiinput2converterpacketlossrate	18005626978265	1124074329
EditoetiConverterEdiinput2converterpacketrate	18005626978267	1124074331
EditoetiConverterEdiinput2converterpacketreorder	18005626978269	1124074333
EditoetiConverterEdiinput2converterpacketsize	18005626978270	1124074334
EditoetiConverterEdiinput2converterstatus	18005626978272	1124074336
EditoetiConverterEdiinput2converterthroughput	18005626978274	1124074338
EditoetiConverter1Ediinput1converterbufferlevel	18005626978276	1124074340
EditoetiConverter1Ediinput1convertererrors	18005626978281	1124074345
EditoetiConverter1Ediinput1converterlatency	18005626978283	1124074347
EditoetiConverter1Ediinput1converterpacketjitter	18005626978278	1124074342



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EditoetiConverter1Ediinput1converterpacketlossrate	18005626978275	1124074339
EditoetiConverter1Ediinput1converterpacketrate	18005626978277	1124074341
EditoetiConverter1Ediinput1converterpacketreorder	18005626978279	1124074343
EditoetiConverter1Ediinput1converterpacketsize	18005626978280	1124074344
EditoetiConverter1Ediinput1converterstatus	18005626978282	1124074346
EditoetiConverter1Ediinput1converterthroughput	18005626978284	1124074348
EditoetiConverter1Ediinput2converterbufferlevel	18005626978286	1124074350
EditoetiConverter1Ediinput2convertererrors	18005626978291	1124074355
EditoetiConverter1Ediinput2converterlatency	18005626978293	1124074357
EditoetiConverter1Ediinput2converterpacketjitter	18005626978288	1124074352
EditoetiConverter1Ediinput2converterpacketlossrate	18005626978285	1124074349
EditoetiConverter1Ediinput2converterpacketrate	18005626978287	1124074351
EditoetiConverter1Ediinput2converterpacketreorder	18005626978289	1124074353
EditoetiConverter1Ediinput2converterpacketsize	18005626978290	1124074354
EditoetiConverter1Ediinput2converterstatus	18005626978292	1124074356
EditoetiConverter1Ediinput2converterthroughput	18005626978294	1124074358
EditoetiConverter2Ediinput1converterbufferlevel	18005626978296	1124074360
EditoetiConverter2Ediinput1convertererrors	18005626978301	1124074365
EditoetiConverter2Ediinput1converterlatency	18005626978303	1124074367
EditoetiConverter2Ediinput1converterpacketjitter	18005626978298	1124074362
EditoetiConverter2Ediinput1converterpacketlossrate	18005626978295	1124074359
EditoetiConverter2Ediinput1converterpacketrate	18005626978297	1124074361
EditoetiConverter2Ediinput1converterpacketreorder	18005626978299	1124074363
EditoetiConverter2Ediinput1converterpacketsize	18005626978300	1124074364
EditoetiConverter2Ediinput1converterstatus	18005626978302	1124074366
EditoetiConverter2Ediinput1converterthroughput	18005626978304	1124074368
EditoetiConverter2Ediinput2converterbufferlevel	18005626978306	1124074370
EditoetiConverter2Ediinput2convertererrors	18005626978311	1124074375
EditoetiConverter2Ediinput2converterlatency	18005626978313	1124074377
EditoetiConverter2Ediinput2converterpacketjitter	18005626978308	1124074372
EditoetiConverter2Ediinput2converterpacketlossrate	18005626978305	1124074369
EditoetiConverter2Ediinput2converterpacketrate	18005626978307	1124074371
EditoetiConverter2Ediinput2converterpacketreorder	18005626978309	1124074373
EditoetiConverter2Ediinput2converterpacketsize	18005626978310	1124074374
EditoetiConverter2Ediinput2converterstatus	18005626978312	1124074376
EditoetiConverter2Ediinput2converterthroughput	18005626978314	1124074378
EditoetiConverter3Ediinput1converterbufferlevel	18005626978316	1124074380
EditoetiConverter3Ediinput1convertererrors	18005626978321	1124074385
EditoetiConverter3Ediinput1converterlatency	18005626978323	1124074387
EditoetiConverter3Ediinput1converterpacketjitter	18005626978318	1124074382
EditoetiConverter3Ediinput1converterpacketlossrate	18005626978315	1124074379
EditoetiConverter3Ediinput1converterpacketrate	18005626978317	1124074381
EditoetiConverter3Ediinput1converterpacketreorder	18005626978319	1124074383



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EditoetiConverter3Ediinput1converterpacketize	18005626978320	1124074384
EditoetiConverter3Ediinput1converterstatus	18005626978322	1124074386
EditoetiConverter3Ediinput1converterthroughput	18005626978324	1124074388
EditoetiConverter3Ediinput2converterbufferlevel	18005626978326	1124074390
EditoetiConverter3Ediinput2convertererrors	18005626978331	1124074395
EditoetiConverter3Ediinput2converterlatency	18005626978333	1124074397
EditoetiConverter3Ediinput2converterpacketjitter	18005626978328	1124074392
EditoetiConverter3Ediinput2converterpacketlossrate	18005626978325	1124074389
EditoetiConverter3Ediinput2converterpacketrate	18005626978327	1124074391
EditoetiConverter3Ediinput2converterpacketreorder	18005626978329	1124074393
EditoetiConverter3Ediinput2converterpacketize	18005626978330	1124074394
EditoetiConverter3Ediinput2converterstatus	18005626978332	1124074396
EditoetiConverter3Ediinput2converterthroughput	18005626978334	1124074398
InputEti	18005627060225	1124156289
OutputEti	18005627142145	1124238209
OutputEticlock	18005627142146	1124238210
OutputEticlockaccuracy	18005627142147	1124238211
ClockExternal10mhz	18005627224065	1124320129
TsforwardingDcp	18005627305985	1124402049
EdioutputEdi	18005627387905	1124483969
InterfaceAsioutput	18005627469825	1124565889



# DAB-4c/DAB-4s Release Notes

## Version 1.35-rc6

### **Bundle 08.04.2026:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.35-rc6.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.35-rc6.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.35-rc6.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.35-rc6.upd) (DAB-4s)

### **Fixed Issues**

- TS MPE Forwarding: edit Button was not working
- TS MPE Forwarding: Service from List now activated for MPE mode
- EDI Input: Wrong status display of 100% Lost Packets when Reordering Buffer of 24ms is set
- Display: Improved readability for special signs used in ensemble label

## Version 1.35-rc5

### **Bundle 07.04.2026:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.35-rc5.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.35-rc5.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.35-rc5.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.35-rc5.upd) (DAB-4s)

### **Fixed Issues**

- TCP/IP Page: Changed settings might not be saved (Bug since 1.35.4)
- TS/SAT or GS/SAT: Change of configuration parameters might not be saved (only activated by a reboot)
- Settings Files of DAB-4s were only partially loaded into a DAB-4c device (and vice versa)

### **Changed functionality**

- Layout changed for System Settings/Global Web page



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## Version 1.35.4

### **Bundle 03.03.2026:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.35.4.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.35.4.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.35.4.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.35.4.upd) (DAB-4s)

### **Fixed Issues**

- Fixed random and seldom crashes in case SNMP traps are activated and sent
- Fixed occasional internal dropped ip packets for SAT GSE Input
- Optional MPE Forwarding: fix not working configuration via selection from list
- Optional new Dual DVB-S/S2/S2X Tuner: fixed wrong RF level display

### **Changed functionality**

- In case of devices with two power supplies, the power LED will flash red/green, if only one power supply is connected to power. This can now be suppressed by enabling only the power supply alarm for the connected power supply and disabling the alarm for the other one. In this case the power LED will show green. Please note, that for this updated behavior you also must update the System Controller firmware to version 1.08 – you will find this firmware via “Check for updates” from within the web interface in the section “Optional Updates”. (CSM-1260)



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## Version 1.35.2

### **Bundle 10.12.2025:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.35.2.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.35.2.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.35.2.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.35.2.upd) (DAB-4s)

### **Fixed Issues**

- FIG 0/10 UTC offset status values not shown for EDI-to-ETI/EDI converter



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## Version 1.35.1

### Bundle 5.12.2025:

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.35.1.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.35.1.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.35.1.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.35.1.upd) (DAB-4s)

### Fixed Issues

- Bug introduced in bundle 1.34.6.upd

TS IP Forwarding Sources are initialized to “none” after upgrade and need to be configured again.

The screenshot shows the 'Converter Settings' window with 'TS IP Forwarding' selected. Underneath, there is a section for 'MPE Forwarding' which contains a table with two rows of configuration data. Each row has an 'Active' toggle, a 'TS source' field, and a table of columns: Name, PID, IP, Port, and Interface. The 'TS source' field for both rows contains a yellow box with a diagonal slash. The 'Interface' column for both rows contains 'Data 1'. To the right of each row are 'Edit', '+', and '-' buttons.

Active	TS source	Name	PID	IP	Port	Interface		
<input checked="" type="checkbox"/>	∅	M1	301	239.0.1.11	5001	Data 1	Edit	+ -
<input checked="" type="checkbox"/>	∅	M2	301	239.0.1.12	5002	Data 1	Edit	+ -



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## Version 1.34.6

### Bundle – 3.12.2025:

Replaced by bundle 1.35.1 (see Fixed Issues)

### Fixed Issues

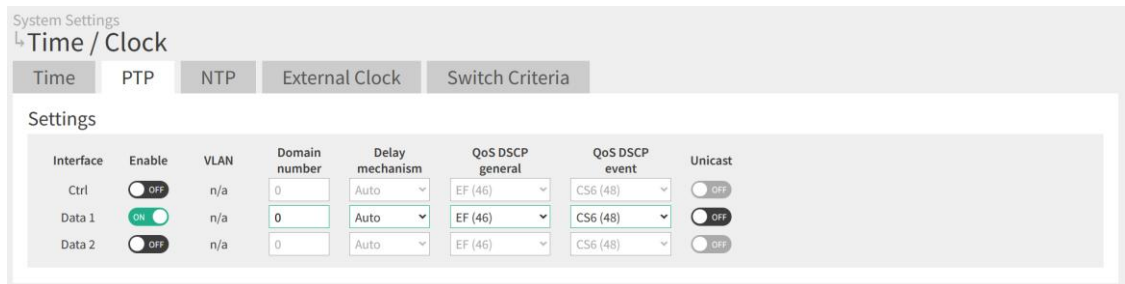
- SRT Input sources are still streaming/active when deactivated (CSM-1434)
- SRT Input sources could not be setup correctly for EDI-to-ETI/EDI converter 2 to 4 (CSM-1435)
- Fix a possible crash when parsing the service table of a transport stream input (CSM-1461) •
- Converter Status API request could lead to crash when index is  $\geq 8$  (CSM-1431) •
- SAT Tuner: Input Source for GSE (Generic Streaming) was not correctly initialized when configured as converter source
- SNMP Traps for SAT Tuner Alarms could lead to a crash when T1 and T2 is set to 0 and the sat tuner is permanently flapping between a bad and good state. •
- TS Multiplexer ETI Compressed Mode is now compatible/working together with FlexXtract+ ETI converter

### New Functionality

- Dual SAT Tuner with DVB-S2X is supported since this firmware version
- Added the possibility to limit the bandwidth used by SRT
- Added Alarm EDI-to-ETI/EDI “Converter Active” to signal if Main or Backup converter is active.
- Updated MIB to v2.16. New OID for EDI-to-ETI/EDI “Converter Active” alarm added

### Changed Functionality

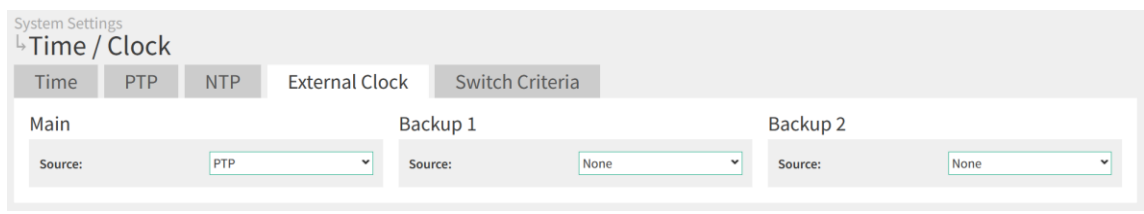
- The PTP functionality did get a complete revision, as it was not working reliably. In the course of these changes we did also revise the way to configure everything related to time and clock handling including NTP and external clock. Before this revision several menu options were involved in the configuration. The selection of interfaces, on which PTP should be enabled was done via the “Network Settings / Services” menu. The PTP configuration itself (e. g. domain number and delay mechanism) was done via the “Settings / External Clock” menu (but only allowing to use the same configuration for all interfaces enabled for PTP). NTP configuration was done via “Network Settings / NTP”, time configuration (time zone) via “System Settings / Time. All these configuration options are now consolidated into a single place – the menu “System Settings / Time/Clock”:



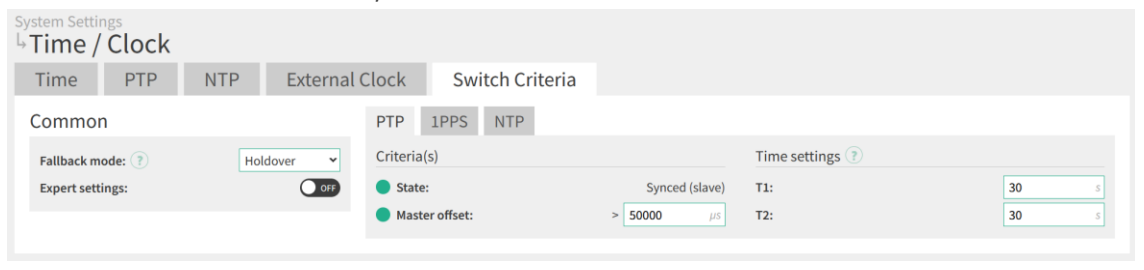


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- You still have to configure via the “External Clock” tab (which corresponds to the former “Settings / External Clock” menu), if and which external clock source (PTP, NTP, 10MHz) should be used for the clock synchronization.

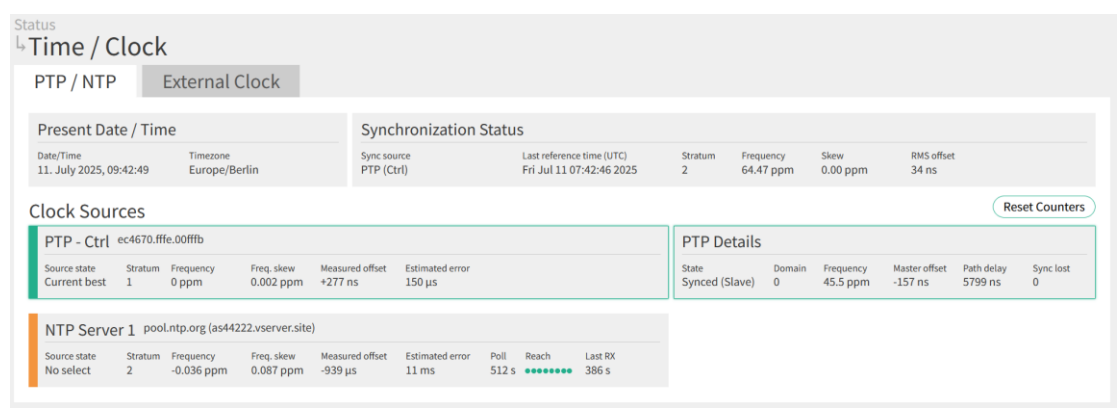


If a backup for the external clock is configured (e. g. NTP), the switch criteria are now configured via the “Switch Criteria” tab of the “Time / Clock” menu.



There’s also a new “Fallback mode” which allows you to control the behavior if all configured external clock sources do fail. In “Holdover” mode (the new default) the device will keep the last external clock (no longer regulated) and will not switch to the internal clock, which would always result in a glitch.

- Together with the revision of the time and clock configuration we did also revise the available status information for time / NTP / PTP / external clock. Before the revision the NTP status could be found via the “Status / NTP” menu, whereas the external clock status could be found on the Overview page in a separate tab. PTP status information was only provided via this “External Clock” tab on the Overview page. The complete status information for all this is now also consolidated into a single place – the menu “Status / Time/Clock”:



## Known bugs / Limitations

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.



# DAB-4c/DAB-4s Release Notes

## Version 1.33-rc1

07.10.2025

### Bundle:

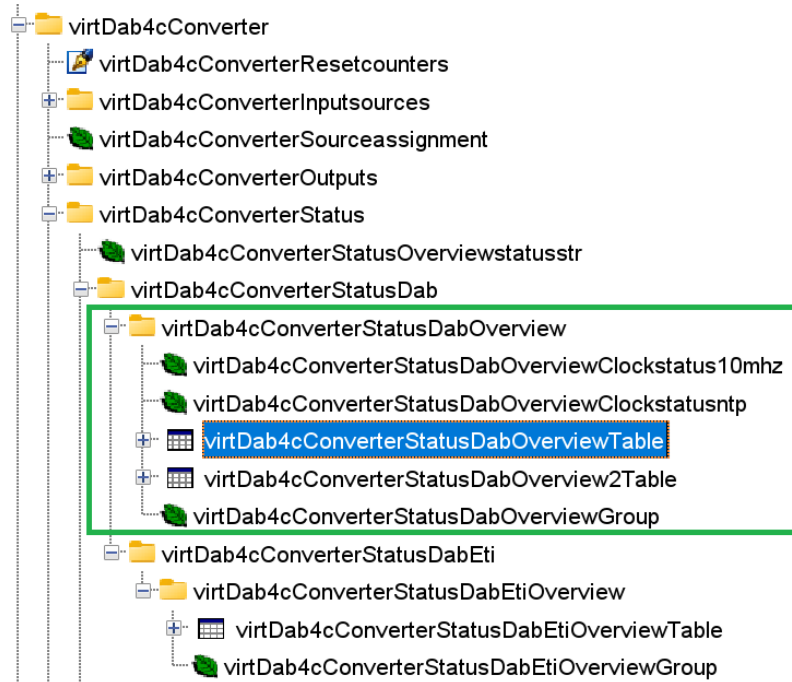
[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.33-rc1.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.33-rc1.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.33-rc1.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.33-rc1.upd) (DAB-4s)

### Fixed Issues

- MIB compatibility was broken in MIB version 2.14

The tables virtDab4cConverterStatusDabOverviewTable and virtDab4cConverterStatusDabOverview2Table had a false position for the OID number. This has been fixed.



### New Functionality

- Added TS/IP as input source when license TS IP Forwarding is activated
- Updated MIB to v2.15.
- UTC Offset for FIG 0/10 (Date and Time) is shown as status

### Known bugs / Limitations

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.



# DAB-4c/DAB-4s Release Notes

## Version 1.31-rc4

23.07.2025

### **Bundle:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.31-rc4.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.31-rc4.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.31-rc4.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.31-rc4.upd) (DAB-4s)

### **Fixed Issues**

- Alarm for EDI-to-ETI/EDI converter “Packet Lost Rate” had false value in Alarm Log Text Message, only the Log Text Message for the Event Log was wrong
- Alarm count for EDI-to-ETI/EDI converter alarms was always set to “4” since 1.31-rc1.

### **Known bugs / Limitations**

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.



# DAB-4c/DAB-4s Release Notes

## Version 1.31-rc1

10.07.2025

### Bundle:

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.31-rc1.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.31-rc1.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.31-rc1.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.31-rc1.upd) (DAB-4s)

## New Functionality

- Updated MIB to v2.13.
- Added Alarms
  - SAT Tuner second C/N
  - EDI-to-ETI/EDI Converter EDI Input Valid  
Checks if Data is arriving and Seamless Switching can be performed for this input.
  - ASI output  
Checks if Data is send out to the ASI out interface.

## Fixed Issues

- EDI input “Reordering Depth” set lower than the incoming edi jitter (e.g 24ms or 48ms) led to false missing packets, now only a timeout is monitored and no reset causing missing packets is made.
- Reset Counters for EDI-to-ETI/EDI converter did not work always
- Fix: Login screen might show this entry. This bug is now solved.



## Known bugs / Limitations

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.



# DAB-4c/DAB-4s Release Notes

## Version 1.30.1

21.03.2025

### **Bundle:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.30.1.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.30.1.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.30.1.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.30.1.upd) (DAB-4s)

### **New Functionality**

- Updated MIB to v2.12.

### **Fixed Issues**

- TS Multiplexer Input Source ETI Input - Detection for "PID Removal on bad input" was not working  
The input source was always evaluated as "good".
- Ticket CSM-1118:  
Data ID and MIB entry for virt.dab4c.converter:resetCounters was read only and not working for EDI-to-ETI converter 4.
- Ticket CSM-1106:  
Added MIB entry for virt.dab4c.converter.outputs.inputEdiToEdi: syncLost and bufferLevel  
(values reflecting tab details for Edi-to-ETI Converter -> output EDI)
- Ticket CSM-1100:  
Missing MIB entry for virt.csl.device.status:lastBootTime

### **Known bugs / Limitations**

- ASI output for the TS Multiplexer is only working correctly when "NTP" is disabled.



# DAB-4c/DAB-4s Release Notes

## Version 1.29.8

01.10.2025

### **Bundle:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.29.8.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.29.8.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.29.8.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.29.8.upd) (DAB-4s)

### **New Functionality**

- EDI output for EDI-to-ETI converter can be configured for Buffer management “Buffer Level” and new for “ETI TIST (NTP)”. ETI TIST (NTP) mode builds up a buffer according to the ETI TIST info that is compared against the actual NTP time. In this mode the device builds up a buffer that is very similar to the “Network Compensation Delay” that is used by the DAB Transmitter.

### **Changed functionality**

- TS Multiplexer: The “PID removal on bad input” functionality has two different options now. It can not only remove both the PID itself and the signalling via PAT/PMT (what was done until now), but optionally only remove the PID, but still signal it via PAT/PMT.

### **Fixed Issues**

- ASI output could have glitches sometimes due to not correct handling of the ASI output speed.
- Edi output did not switch seamless when a switch between main and backup took place.
- Change of already used edi input source for ts multiplexer lead to an inconsistent mux. The edi input was not correctly signalled in the ts multiplexer.

### **Known bugs / Limitations**

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.



# DAB-4c/DAB-4s Release Notes

## Version 1.28.8

25.10.2024

### New Functionality

- Added “EDI input active” alarm to EDI to ETI converter
- Added the possibility to clear the extended log
- If a SAT tuner is installed, the LCD screen will now show additionally a status page with reception information:

SAT STATUS					
RF1 - DVB-S2 BPSK 22000 2/3, 1303.000 H					
RF STATE	Locked	C/N	17.5 dB	BER	0
RF LEVEL	-38 dBm	EB/NO	10.2 dB	FE	274 kHz
RF2 - DVB-S QPSK 22000 Auto, 1788.000 U					
RF STATE	Tuning	C/N	0.0 dB	BER	--
RF LEVEL	-99 dBm	EB/NO	--	FE	--

•

### Changed functionality

- Consolidated TCP/IP page to only have one “Save” button
- The event log page does now also refresh automatically when it is initially empty

### Fixed Issues

- Loading settings file did only work partially
- TS Multiplexer: PID removal on bad input did not work
- ETI Input 2 to 4 did not work as input for the TS Multiplexer

### Known bugs / Limitations

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.



# DAB-4c/DAB-4s Release Notes

## Version 1.28.1

09.07.2024

### **Bundle:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.28.1.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.28.1.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.28.1.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.28.1.upd) (DAB-4s)

### **Fixed Issues**

- ETI Output 3 had occasional bytes errors that were repaired by the Reed Solomon FEC (ETI-NA),
- All other ETI outputs did not have this error
- Edi Input Source: Fixed a not working input edi stream when the edi input source is reconfigured in the web gui and dualstreaming is configured and the first stream is not received. Under this condition the second stream is not correctly activated after the reconfiguration. The error takes only place after a reconfiguration.
- 

### **Known bugs / Limitations**

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.
- Please configure the time/date settings correctly after the initial configuration. We are working on a bugfix for this error.
- TS Multiplexer setting only with “Compressed Mode” does not work with all available FlexXtract+ firmware versions. All other modes are working correctl



# DAB-4c/DAB-4s Release Notes

## Version 1.27.1

28.03.2024

### Bundle:

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.27.1.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.27.1.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.27.1.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.27.1.upd) (DAB-4s)

### Fixed Issues

- Dual ASI Output Module (EXM32) has not been working correctly causing occasional interruptions for both ASI outputs.
- E1 output AIS signalling has not been correct when no valid eti frames / data is lost. Now a valid AIS signal is generated by the E1 output when the E1 output buffer is empty.
- General security and access control improvements
- REST API improvements
- 

### New Functionality

- Added traceroute possibility to the web interface (Network Settings / TCP/IP / Tools)

Network Settings  
↳ TCP/IP

General Tools

Ping

Settings

Destination:

Interface:

Count:

TTL:

Data size (0=default):

Output

```
PING heise.de (193.99.144.80): 56 data bytes
64 bytes from 193.99.144.80: seq=0 ttl=247 time=10.199 ms
64 bytes from 193.99.144.80: seq=1 ttl=247 time=10.105 ms
64 bytes from 193.99.144.80: seq=2 ttl=247 time=9.901 ms
64 bytes from 193.99.144.80: seq=3 ttl=247 time=9.894 ms
64 bytes from 193.99.144.80: seq=4 ttl=247 time=9.773 ms

--- heise.de ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 9.773/9.974/10.199 ms
```

Traceroute

Settings

Destination:

Interface:

Max. hops:

Time to wait:

Output

```
traceroute to heise.de (193.99.144.80), 5 hops max, 38 byte packets
1 192.168.96.1 (192.168.96.1) 0.212 ms (64) 0.221 ms (64) 0.192 ms (64)
2 mx204-2.ham.purtele.com (185.39.84.9) 7.292 ms (254) 4.488 ms (254) 4.079 ms (254)
3 * * *
4 100.83.140.3 (100.83.140.3) 3.414 ms (252) 3.503 ms (252) 3.845 ms (252)
5 be100.c350.f.de.plusline.net (80.81.193.132) 10.210 ms (251) 10.138 ms (251) 10.077 ms (251)
```

- Added event log entries when loading a settings file or loading factory settings
- When generating a settings file on the Global page you can now not just only download the file, but also save it to the internal storage. You can also directly change the name of the settings file.

Generate settings file:

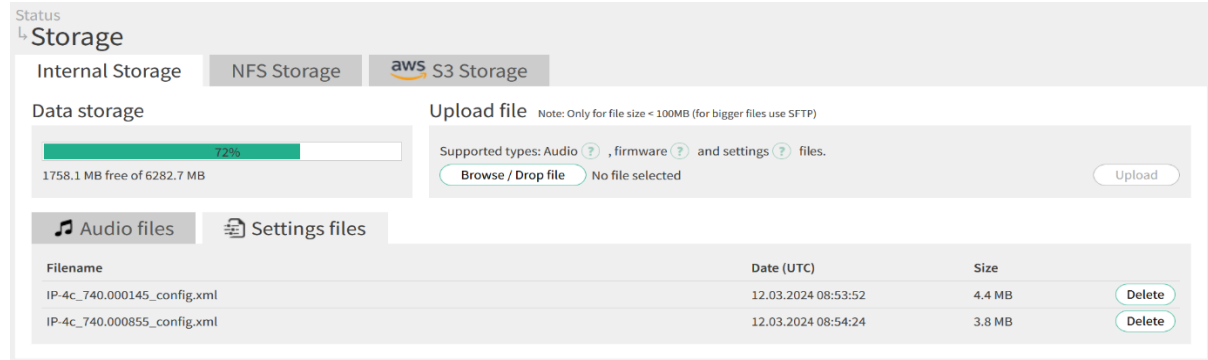
Settings file: IP-4c\_740.000145\_config.xml

Actions:

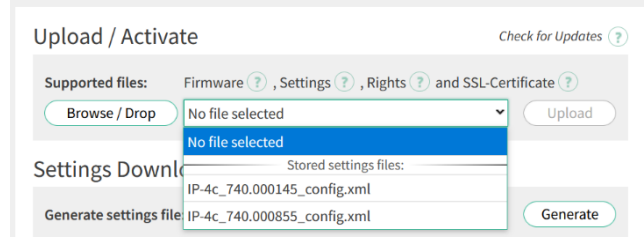


# DAB-4c/DAB-4s Release Notes

- Settings files can also be uploaded via the Storage page

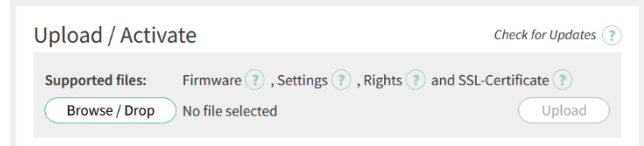


- Once there are settings files on the internal storage the user can select one of the stored files instead of uploading one and load it via the new consolidated Upload/Activate section, thereby having a sort of preset functionality, allowing to quickly switch between different configurations.



## Changed functionality

- The different upload sections on the Global web page (Firmware, Settings, Rights, SSL Certificate) were consolidated to just one section allowing to upload every of the four kinds of files



- The manager user can be granted limited access to the Global web page, allowing just to switch between different configurations
- Changed Load Factory Settings via LCD menu to new method without reboot
- Loading settings via the web interface will show a warning when trying to load settings from a different device type. The settings can still be loaded, though, as many settings are of general nature.

## Known bugs / Limitations

- ASI output for the TS Multiplexer is only working correctly when "NTP" is disabled.
- Please configure the time/date settings correctly after the initial configuration. We are working on a bugfix for this error.
- TS Multiplexer setting only with "Compressed Mode" does not work with all available FlexXtract+ firmware versions. All other modes are working correctly. We are working on this item.



# DAB-4c/DAB-4s Release Notes

## Version 1.26.2

14.02.2024

### **Bundle:**

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.26.2.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.26.2.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.26.2.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.26.2.upd) (DAB-4s)

### **Fixed Issues**

- The “Recovery Page” was shown after a while when “NTP logging” is enabled. This issue can take 1-2 days until it takes place. Only the connection Web to Firmware was broken. The input/output of the device was working correctly.
- Small ETI frame sizes have not been decoded correctly for the ETI-to-EDI converter.
- Not all Settings were correctly loaded after a “Settings update”. The Settings for the TS Multiplexer were not loaded.
- 

### **Known bugs / Limitations**

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.
- Please configure the time/date settings correctly after the initial configuration. We are working on a bugfix for this error.
- TS Multiplexer setting only with “Compressed Mode” does not work with all available FlexXtract+ firmware versions. All other modes are working correctly. We are working on this item.
-



# DAB-4c/DAB-4s Release Notes

## Version 1.25.5

02.01.2024

### Bundle:

[https://download.2wcom.com/products/DAB4c\\_NSJD/software/dab4c\\_bundle\\_1.25.5.upd](https://download.2wcom.com/products/DAB4c_NSJD/software/dab4c_bundle_1.25.5.upd) (DAB-4c)

[https://download.2wcom.com/products/DAB4s\\_TZUI/software/dab4x\\_bundle\\_1.25.5.upd](https://download.2wcom.com/products/DAB4s_TZUI/software/dab4x_bundle_1.25.5.upd) (DAB-4s)

### Important!

- This update recommends an updated recovery system. Please update the device using the file **recovery\_2.02.upd**. A reboot of the device is not necessary.
- The bundle is available under Support / Check for updates / Optional Updates
- 

### New Functionality

- For security reasons the password hashes of the user accounts are no longer stored as MD5, but as bcrypt hashes. The migration will be done automatically.
- Added the possibility to update the firmware locally from USB
- Added the fan status to Status→Device in the web interface (needs System Controller firmware 1.07)
- SAT Tuner: added the frequency offset to the status parameters
- 

### Fixed Issues

- ETI to EDI Converter: MNSC (Multiplex Network Signalling Channel) info was always set to “0”.
- ETI to EDI Converter: Missing status values added to SNMP MIB.
- EDI to ETI Converter, ETI Output Status: Fixed wrong offset for “Output Accuracy” status after an edi input error.
- EDI Input Source, VLAN could not be configurable when only one VLAN was allowed under Network Settings / Services.
- External Clock: A reconfiguration done by using the “External Clock Page” was only applied after a reboot.
- IGMP: Fix for a bug only occurring in bundle 1.24.28, IGMP Membership for Multicast Address on Data2 is dropped instead of Data1 when Data1 goes down.
- TS Multiplexer: Added “Max. Bitrate” parameter for all input sources. The TS overall bitrate can be lower by using this new parameter. (Does not apply for Scientific Atlanta mode)

### Changed functionality

- “Load factory settings” from within the web interface does no longer require a reboot
- 

### Known bugs / Limitations

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.
- Please configure the time/date settings correctly after the initial configuration. We are working on a bugfix for this error.
-



## DAB-4c/DAB-4s Release Notes

### **Known bugs / Limitations**

- The DAB-4s and DAB-4c firmware bundle are technically the same. For some previous versions of the DAB-4s firmware only the DAB-4c firmware is loadable as new firmware. After 1.25.5 is used the DAB-4s firmware bundle can be always loaded for a DAB-4s.
-



# DAB-4c/DAB-4s Release Notes

## Version 1.24

17.07.2023

### Important!

- This update recommends an updated recovery system. Please update the device using the file **recovery\_2.02.upd**. A reboot of the device is not necessary.
- The bundle is available under Support / Check for updates / Optional Updates
- 

### New Functionality

- Added Generic Streaming for Satellite input sources. (GSE Software License needed)
- IP Edi Packets send over GSE can be forwarded to the IP Ethernet Interfaces or used as input for the EDI to ETI/EDI converter.
- TS Multiplexer does now support the FlexNsert+ modes ARG2500 (Scientific Atlanta) and is fully compatible to the FlexNsert+ modes Uncompressed and Compressed. (TS Multiplexer Software License needed)
- First steps to more advanced / extended logging: For some events, which were previously only counted (like missed packets) there's now the possibility to check the point in time when these events occur. There's a new "Extended Log" tab on the Log web page, which shows these events. Currently we added events for IP EDI Input missed packets, IP EDI Input timeout. Like the counters this extended log is volatile, meaning it is cleared after a reboot. If syslog is enabled, these events will however also be sent out to syslog, making them externally persistent.
- A Switch between a Main and a Backup source can now be externally controlled when the configuration "Activation on command" is set under Source Assignment. (Available when Additional Backup Right is set)
- Added interface (and VLAN) selection to the SNMP trap manager configuration
- Released REST API that enables customers to use an Open API 3.0 compliant API to control and monitor 2wcom's devices.
  - More info about Open API 3.0 can be found [here](#).
  - The API can be enabled and browsed on page "External APIs" -> "REST API".
  - The openapi.json for the device and additional documentation can be found on the devices page "External APIs" -> "REST API".
- 

### Fixed Issues

- Missing Alarms for SAT Tuner have been added
- Fix status problems of optional DAB tuner (RF level etc. are reported as faulty sometimes, although this is not true)
- SAT Tuner: Fixed BER calculation for low symbol rate single tuner
- Switching VLAN activation without modification doesn't work
- Control services are not correctly setup in VLAN environment
- SAT tuner: if reception gets interrupted due to e. g. bad weather conditions, the device still could fail to re-establish TS decoding and the outputs are inactive

### Fixed Issues

- EDI outputs are not correctly activated after a reconfiguration. (Only working after a reboot when configured).



# DAB-4c/DAB-4s Release Notes

- Fixed possible load problem (since 1.23) of EDI inputs when all 4 x EDI to ETI/EDI converter are active.
- When this problem happens the “Missed counter” on the EDI input is rising.
- EDI to ETI/EDI converter output alarm falsely active when Backup is active.

## **Changed functionality**

- Revision of EDI input “Fallback” configuration. (Available when Additional Backup Right is set).
- When using the “Fallback” configuration a manual switch to a pre-defined alternative input source for EDI Input1 and/or EDI Input2 is possible by using the configuration “Switch Primary/Fallback” on the EDI input.
- A switch to a fallback input is now only possible by changing the configuration “Switch Primary/Fallback”.
- 

## **Known bugs / Limitations**

- ASI output for the TS Multiplexer is only working correctly when “NTP” is disabled.
- Please configure the time once correctly after the initial configuration. We are working on a bugfix for this error.



# DAB-4c/DAB-4s Release Notes

## Version 1.23

29.11.2022

- 

### **New Functionality**

- Added TS MPE IP Forwarding for Satellite input sources. (Software License needed)
- Added optional ETI output TIST replacement. NA-TIST can be overwritten so that only LI-TIST is used.

- 

### **Fixed Issues**

- The alarm “Converter Output Error” shows a false alarm at startup.

- 

### **Changed functionality**

- None

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### **Known bugs / Limitations**

- There is a configuration issue when both inputs RF1 and RF2 from a Dual Sat Tuner are used at the same time. A reconfiguration of one source can lead to an outage of the other source. The problem takes only place for this constellation.



# DAB-4c/DAB-4s Release Notes

## Version 1.21

08.06.2022

- 

### New Functionality

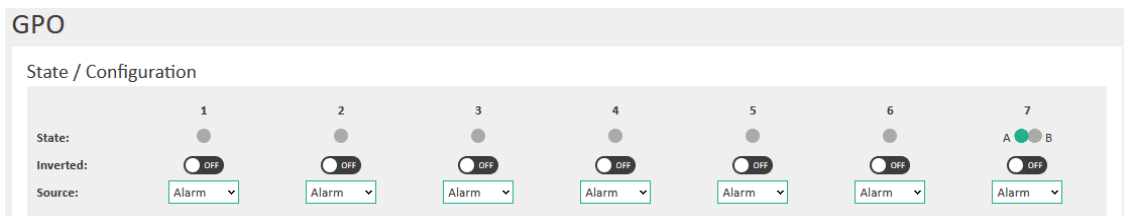
- Added Alarms as Source for GPO. (Output Relay)
- 

### Fixed Issues

- Dragging Input Sources within the Source Assignment were only activated after a reboot. (Web Bug since 1.19.1)
- A possible memory leak caused a reboot of the device after a few hours up to a few days in case PTP clock synchronization was enabled
- Fixed too high GPO count for Alarms.
- 

### Changed functionality

- GPO Output configuration is now compatible to FlexXtract+ GPO configuration. GPO 8 has been dropped. GPO 7 is now an A/B Switch Relais. (Previously GPO 8)  
If FlexXtract+ pinout is needed an adapter cable is now available providing the identical pinning as the FlexXtract+.



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### Known bugs

- None



# DAB-4c/DAB-4s Release Notes

## Version 1.19

01.02.2022

### **New Functionality**

- TS Multiplexer: Additionally added IP EDI and EDI-to-EDI Converter input sources. IP EDI Packets can now be encapsulated in MPE mode for TS Multiplexer. This feature is only available if the optional right “TS Encoder” is set.
- Integration of DVB-S/DVB-S2 Dual SAT Tuner Hardware Module. A SAT Tuner MPE Input Source is now available as additional Input Source for the EDI-to-ETI/EDI converter. This feature is only available if a SAT Tuner hardware module is build-in. A SAT Tuner hardware module can be added to existing DAB-4c units.
- Added VLAN support to PTP interface configuration
- 

### **Fixed Issues**

- Fixed: EDI-to-EDI converter - The EDI sequence counter was not forwarded transparently from the EDI input to the EDI output source.
- Optimization: ETI output clock accuracy (Internal Recovered and NTP mode) improved after ETI output errors
- 

### **Changed functionality**

- Rework of Input Source Assignments for Converter instances. As another input source (SAT Tuner) is now available the Input Source Assignment needed to be reworked. The Input Source Assignments are now saved differently to the previous version. The Assignments from the previous versions are auto-converted to the new format. Please renew saved settings files for restoration of existing setups after upgrade. Older setting files do not contain the new Source Assignment format and will not work with version  $\geq$  1.19.
- 

### **Known bugs**

- None



# DAB-4c/DAB-4s Release Notes

## Version 1.17

17.11.2021

### **New Functionality**

- PTPv2 as External Clock source is now available
- TS Multiplexer added for ETI and EDI-to-ETI input sources. Compressed and Uncompressed Mode is supported. This feature is only available if the optional right “TS Encoder” is set.
- Added support for SNMPv3
- Added support for PTP Unicast
- 

Updated manual including new functionality (TS Mux, PTPv2) is now available. All parameters that are displayed on the Overview page are described.

[http://download.2wcom.com/products/DAB4c\\_NSJD/manuals/en/DAB-4c\\_User\\_Manual\\_V2.pdf](http://download.2wcom.com/products/DAB4c_NSJD/manuals/en/DAB-4c_User_Manual_V2.pdf)

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### **Fixed Issues**

- Fixed: Source specific multicast for second Dualstreaming Edi input was not working
- Fixed a monitoring startup error for the EDI-to-ETI converter (Packet Loss Rate is set to 1% at startup)
- DNS and Gateway entries in the TCP/IP settings couldn't get deleted by entering 0.0.0.0
- IGMP might not work when the device has been rebooted and dhcp is active on the chosen ethernet interface. Please note: IGMPv3 is tried per default at startup. If not successful, then IGMPv2 is tried. If available select IGMPv3 for all switches so that the startup initialization time is short.
- 

### **Changed functionality**

- Rework of the System Settings / User web page
- 

### **Known bugs**

- None



# DAB-4c/DAB-4s Release Notes

## Version 1.16

18.08.2021

### Important!

- This update fixes a memory leak. The RAM usage is slowly running empty within several months of operation without this bugfix.

### New Functionality

- Network Compensation Delay is shown for the E1 Output when NTP is active.
- Rework of External Clock Switching (10MHz, NTP)
- 

There is a new configuration and status page for external clock handling available:

The screenshot displays two parts of the interface. The top part is the configuration page for 'External clock', which is divided into three columns: 'Main', 'Backup 1', and 'Backup 2'. Each column has a dropdown for 'External Clock Source' and a 'Switch criteria' section with T1 and T2 input fields. The 'Main' source is set to '10 MHz', 'Backup 1' to 'NTP', and 'Backup 2' to 'none'. A 'Save' button is at the bottom left. The bottom part of the screenshot shows the 'External clock status' page, which has tabs for 'EDI-to-ETI/EDI', 'ETI-to-EDI', 'DAB Tuner', and 'External clock status'. The 'External clock status' tab is active, showing the status of the three sources: 'Main 10 MHz' (10MHz Valid), 'Backup 1 NTP' (NTP Source, RMS Offset: 7 µs / < 500 µs, Skew: 0.12 PPM / < 0.5 PPM, Last Valid Sample: 48 s / < 100 s), and 'Backup 2'.

As initial configuration the clock source must be configured for main and backup sources. The external clock sources will be set to “none” as default.

Please set Main External Clock Source to 10MHz or NTP if necessary.

For the E1 output configuration the clock sources are now configured as internal or external. When set to external the clock will be chosen upon the External clock configuration page.

- 

### Fixed Issues

- Fixed Memory Leak that is filling RAM usage within several months of operation.
- VLAN for EDI Output streams was not shown correctly for the Web Interface.
- +/- Button for EDI Output streams deactivate view of attached web panel when pressed.
-



# DAB-4c/DAB-4s Release Notes

## **Changed functionality**

- Rework of External Clock Switching. Please see notes under “New functionality”.
- 

## **Known bugs**