

IP-4c

Release Candidate

Notes

Version 2.18-rc2

23.04.2026



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Changed Functionality

- The NMOS implementation was updated and enhanced. Besides the already existing support for IS-05 (Device Connection Management) we do now also support IS-04 (Discovery & Registration).

The screenshot shows the 'Network Settings' page with the 'External APIs' section selected. There are four tabs: 'SNMP', 'EMBER+', 'NMOS', and 'REST API'. The 'NMOS' tab is active. Under the 'Settings' heading, there is a list of configuration options:

- Enabled: ON
- NMOS port:
- NMOS Registry Interface:
- Registration mode:
- Unicast registry IP / domain name:
- Unicast registry port:
- Unicast registry version:

In addition to the manual registration mode the registration can also be done via mDNS and DHCP.

Fixed Issues

- TS Decoder: decoding of AAC may be distorted due to AAC decoder update integrated in firmware 2.18-rc1 (The AAC decoder was updated to fix issues like CSM-1581, but that update introduced new possible problems which are now fixed by another update)
- The Livewire input sources were not available for the Encoders on the Codec page
- The new file recording does support AAC, but the recorded AAC files did not show up on the Storage page
- The new file recording did not show the recording progress on the Overview page unless the file is already bigger than 1 MB
- UDP ancillary outputs may show wrong names (CSM-1659)
- MPEG TS encoder: fix faulty embedding of MPEG Layer 2/3 encoded data at 44.1 or 22.05 kHz sample rate in low latency bitrate priority mode



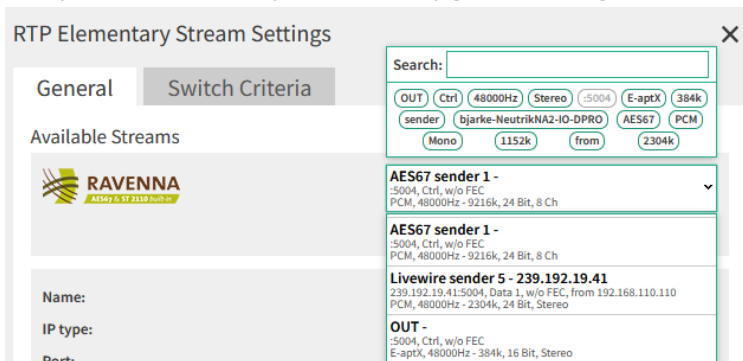
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Version 2.18-rc1

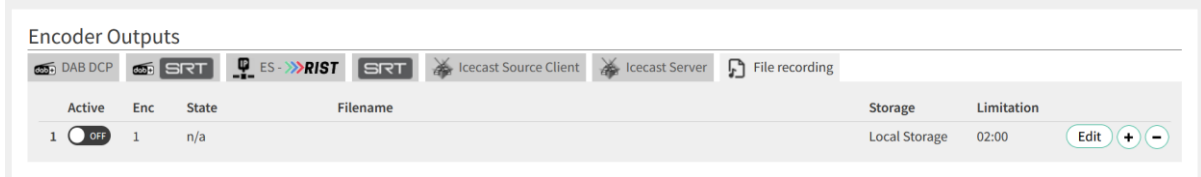
08.04.2026

New Functionality

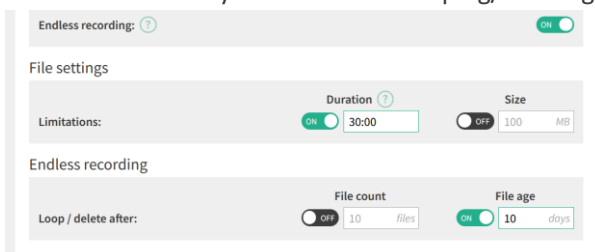
- The list of available Ravenna streams may get long. Now we've added the possibility to filter the list by a freely entered text or by automatically generated tags



- Since VERY long time there's a tab named "File" for the Encoder outputs, stating that this feature is "Not yet available". Well – that's no longer true. We renamed the feature to "File recording" and it's finally there:



Without any additional license you can do file recordings in uncompressed WAV or compressed MP3 or MP4(AAC) of a maximum length of 10 minutes. With the additional NAS license (network attached storage) you can do 24/7 recordings to NFS or S3 (or optionally to an internal SSD), letting the files be split into the size or duration of your choice and looping/deleting the files after a certain time or number of files.



- The optional SFN functionality only worked when the encoded audio was one of the hardware based audio inputs. Now it does also work for elementary stream inputs, when the stream is SMPTE ST 2110 compliant. This can now be confirmed via a new switch in the elementary stream input configuration.
- Optional DAB+ encoder: Added alarms for DAB Submux
- Optional SFN license: To enable SFN via TS, the TS Multiplexer page does now allow to configure RTCP, SFN and Global delay in case of MPE encapsulation



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Changed Functionality

- The System Information, which was formerly found under System Settings / Global, has been moved to the Status / Device page, which has been completely revised

The screenshot shows the 'Status / Device' page. It features several sections: 'System Information' with fields for Serial number (740.000145), Local date/time (07. April 2026, 05:38:28), Uptime (0 days, 00:39:15), Bundle version (2.17.6), Last boot (07. April 2026, 04:59:14), and XPS / IFB revision (1.00 / 1.00). 'Temperature Control' shows Fan 1 and Fan 2 at 720 RPM with a temperature of 48 °C. 'Power Supply' shows Type 110/230V AC and State (12V) as active. 'Rights' lists various features like 4 Channels, Dual DVB-S/S2 Tuner, SRT Encoder, TS Decoder, SFN, etc. 'Dual DVB-S/S2 Tuner' shows Location EXM Slot 0 and Part number 0400001435.

The System Settings / Global page looks therefore of course different now, too:

The screenshot shows the 'System Settings / Global' page. It is divided into several sections: 'General Settings' with fields for Name, Location, and Description; 'Web interface' with session timeout and browser tab config; 'Control' with buttons for 'Reboot device' and 'Load factory settings'; 'Upload / Activate' with a file upload area for supported files; 'Settings Download' with a 'Generate settings' button; 'Diagnostic Report' with a 'Generate report' button; and 'Debug Report' with an 'Upload debug script' button.

- Optional FM/DAB tuner: allow switching radio input source from FM to DAB even when in use

Fixed Issues

- TS Decoder: decoding of AAC may stop after some stream interruptions and doesn't recover even after the incoming stream is good again (CSM-1581)
- Wrong audio track might be selected in "Service from list (fixed PID)" mode when entering TS/Demux dialog
- Optional FM/DAB tuner: Fix impossibility to assign a radio input source if a SIP source is assigned, too
- Optional FM/DAB tuner: Fix RF level switch criteria not working in FM/HD Radio mode
- Enhanced compatibility of the HLS Stream decoding
- PTP not configurable when only the Livewire option is present (without the Ravenna option)
- SCTE-35 implementation may stop working after a while (CSM-1608)



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- AES67 output may have a jitter of some milliseconds
- Fixed distorted headphone output if the audio output is switched to AES67 or Livewire (CSM-1565, CSM-1010)
- Loading settings may be incomplete when the settings are from a different device