

MPX-1g

Release Candidates

Notes

Version 1.12

23.06.2023

Update: 14.09.2023



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Version 1.12

23.06.2023

New Functionality

- Function "MEC access rights" allows to block certain UECP MEC commands. Blocked UECP commands are displayed in the UECP log if desired.
- Download and upload of UECP log files: The UECP log entries loaded from the device can be saved and reloaded as a file.
- The event log web page will now update automatically when new events arise while having the page open
- 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 RTP Rx start, RTP missed packets, RTP unrecovered packets, RTP Rx timeout, SIP register/connect/disconnect/ declined/error and SRT connect/disconnect. 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.
- UECP Log: "View statistics" shows the percentage distribution of MEC commands.
- 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".

Improved Functionality

- RDS signal generation optimized.
- Recovery page: Is now displayed faster to more reliable in case of an error.
- UECP Log: Maximum number of entries increased to 100000.
- UECP Log: Input of a MEC filter facilitated by display of available entries.

Fixed Issues

- NTP time synchronization does not work without decoder/encoder right.
- Settings Upload: The settings are not applied after the restart.
- RIST receiver improved for RTP streams, where the encoder has RIST disabled (could lead to audio buffer not building up)
- RIST didn't work in dual streaming setup for the redundant line
- RTP: Overall packet lost counter could be too large in rare cases
- Fixed ancillary data descriptor in MPEG TS encoding for better compatibility
- A configured source IP for SSM (Source Specific Multicast) could not get deleted
- When switching between different web interface menu items the page will now always scroll back to top
- DTE baudrate changes were not applied immediately, but only after a reboot – Fixed
- Ancillary data was not shown on the Overview page for XLR audio input sources



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Known Issues

RDS Encoder: The function "Remove ext. RDS Signal (Filter)", filters out the complete MPX.

Version 1.11

28.03.2023

New Functionality

- Automatic Config Mode (optional): Enables automatic switching between MPX Decoder (MPX over IP/SAT) and MPX Encoder (RDS / Stereo Encoder) when using the Audio/MPX Decoder. This allows an MPX to be decoded via IP / SAT and a local MPX to be created as a backup.
- FM / DAB Tuner (optional): The tuner can be used as an audio source for the stereo encoder. The received UECP commands (via FM) are forwarded to the RDS encoder (RDS Databridge).
- Input as Decoder Source: The physical inputs (BNC/XLR) can be selected as main/backup source at the Audio/MPX Decoder.
- SFN is now working with μ MPX as well. Since this is using the same system that is being used for PCM as well, μ MPX with SFN is only possible in between 2wcom MPX-2c, MPX-1g and MPX-2ds devices.

Fixed Issues

- Time synchronization via NTP does not work.
- In rare cases, RDS generation is disturbed after a device start.

Known Issues

- μ MPX with SFN: Currently it is mandatory to set the codec type manually to μ MPX. SFN operation is not possible in automatic mode

Changed functionality

- UECP / RDS Encoder: The selection of available UECP sources has been combined on one settings page (UECP Sources).
- Port Mode "UDP and TCP" is no longer supported. Old settings with this mode are switched to "UDP" (only). Please check these settings after the update!
- Remove: Audio/MPX decoder gain settings. A gain can be set in the respective decoder source.