



CMP201

Product Release Notes

Feature Release



Copyright

©2004-2022 Wellav Technologies Ltd. All rights reserved.

No.1, Shunchang Road, Huinan Hi-Tech Industrial Park, Zhongkai Hi-Tech Development Zone, Huizhou, Guangdong, China 516025

www.wellav.com

This publication contains confidential, proprietary, and trade secret information. No part of this document may be copied, photocopied, reproduced, translated, or reduced to any machine-readable or electronic format without prior written permission from Wellav. Information in this document is subject to change without notice and Wellav Technologies Ltd. assumes no responsibility or liability for any errors or inaccuracies. Wellav, Wellav Technologies Ltd., and the Wellav logo are trademarks or registered trademarks in the United States and other countries. All other products or services mentioned in this document are identified by the trademarks, service marks, or product names as designated by the companies who market those products. Inquiries should be made directly to those companies. This document may also have links to third-party web pages that are beyond the control of Wellav. The presence of such links does not imply that Wellav endorses or recommends the content on those pages. Wellav acknowledges the use of third-party open source software and licenses in some Wellav products. This freely available source code can be obtained by contacting Wellav Technologies Ltd.

About Wellav

Wellav Technologies Ltd. is a leading global provider of professional video delivery solutions. The company is committed to developing and manufacturing world-class video processing, monitoring equipments and solutions to help video service providers address real business challenges in video distribution via HFC and IP-based network. The company is headquartered in Huizhou, China with 500 employees in 2 operation centers and over 10 regional sales/support offices around different continents. With global service, Wellav provides system integration and technical expertise to support more than 2000 CATV, FTTH, IPTV/OTT, Satellite/Terrestrial, Broadband service providers to deliver high-quality video programs to hundred millions of viewers around the world. More information about Wellav is available at the company's website, www.wellav.com.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.
farg



Revision History

Date	Revision	Description	Author
1/3/2022	1.0	1.4.201 Release Notes	RF
25/3/2022	1.1	1.5.0 Release Notes	RF
13/4/2022	1.2	1.5.2 Release Notes	RF
25/5/2022	1.3	1.5.10 Release Notes	RF
19/8/2022	1.4	1.5.19 Release Notes	RF
25/11/2022	1.5	1.5.32 Release Notes	RF
19/12/2022	1.6	1.5.34 Release Notes	RF
16/1/2023	1.7	1.5.35 Release Notes	RF
14/2/2023	1.8	1.5.40 Release Notes	RF
19/5/2023	1.9	1.6.0 Release Notes	RF

Table of Contents

Feature Release V1.6.0	- 3 -
Feature Release V1.5.40	- 6 -
Feature Release V1.5.35	- 7 -
Feature Release V1.5.34	- 8 -
Feature Release V1.5.32	- 9 -
Feature Release V1.5.19	- 10 -
Feature Release V1.5.10	- 12 -
Feature Release V1.5.2	- 13 -
Feature Release V1.5.0	- 14 -
Feature Release V1.4.201	- 16 -



Feature Release V1.6.0

Release NO.

CMP100-200-201-300_V1.6.0.WVUpgrade

Release Date

May 19, 2023

New Features

1. Newly add the feature that user could delete the single program configuration on the IP input.
2. IPTV-00 module is newly online.
3. Device Alarm now support multiple languages.
4. Newly add the restriction for the IPTV6 address to avoid user could change the address via SNMP.
5. Newly add the IPTV6 parameters on the MIB file.
6. Disable IPV6 network port routing functions and won't process the RA message.

Resolved Issues

1. Resolved the issue that create an account on the baseboard, after a while hasn't logged in the account, the account would be not able to log in.
2. Resolved the issue that after doing a long-span upgraded for the unit, the VLAN configuration would be abnormal.
3. Resolved the issue that with the CX-TXS-00 module on the chassis, user could not export the configuration file via baseboard.
4. Resolved the issue that there would has a low possibility that using CE-CVBS-00 module encode and configure the signal to the baseboard IP output would have no bitrate at all.
5. Resolved the issue that receive the signal using OHR6-8VSB-00 and then multiplex or bypass the signal to the baseboard would occur 290 error.
6. Resolved the issue that when user set the IP output address which is not in the range of the multicast or unicast IP address, user could apply the setting on Web.



7. Resolved the issue that when the new created user and unselect the authorization modification authority. Using this new user still could modify the backup configuration.
8. Resolved the issue that after inserting the CX-TXS-00 module, the baseboard would be fail to export the configuration.
9. Resolved the issue that the unit would delete the account and password on the backstage when use the reset button.
10. Resolved the issue that when scanning the single channel, the last EMM PID would still exist on the program PID.
11. Resolved the issue that the Web GUI status would display single power supply when using CMP201D.
12. Resolved the issue that user need to refresh the Web to display the EMM PID on the Output when scanning the single channel.
13. Resolved the issue that after resetting to default, the module would bright the red light though the module is running normally.
14. We are compatible with CMP330-32 and CMP330-48 front panel on Web.
15. Resolved the issue that after disabling the SSH feature on the baseboard, user could not export the configuration file from baseboard.
16. Resolved the issue that the Web would show the wrong slot number for the CMP201D.
17. Resolved the issue that when the ECM PID is conflict, the CA descriptor doesn't have the relevant modification.
18. Resolved the issue that the default value of the local time offset polarity is UTC-, after inserting the TOT table on the PSIP, the actual output would be UTC+.
19. Resolved the issue that there's a low probability that doing the soft reboot would cause the baseboard system dead.
20. Resolved the issue that when multiplex only other PID or EMM PID to the modulation module which has the ts, the output would be no bitrate after reboot.
21. Resolved the issue that the IPV6 address would reset to default after upgrading to some specific software version.
22. Resolved the issue that when the source signal contains lots of other PID, there would occur the scanning program failed issue in some channels.

Test Results

positive

Remaining Issues

1. Haven't finished the restriction for the IP section at baseboard IP output.
2. The baseboard IP output would have no bitrate when some CVBS encoders configure the programs to the baseboard.

Feature Release V1.5.40

Release NO.

CMP100-200-201-300_V1.5.40.WVUpgrade

Release Date

February 14, 2023

New Features

1. Add support to the smooth output feature for VBR at baseboard IP input.
2. Newly add export/import EIT table feature.
3. The additional range of NIT Stream from 50 add to 96.
4. Add delete null packet as the general feature at baseboard IP output.

Resolved Issues

1. The PID of output configuration modify into [32, 8190].
2. Modify the table sending time interval.
3. Resolved the issue that baseboard couldn't delete the output channel when the module is changed to other module after has configured the program to baseboard.
4. Modify the log file size restriction process.
5. Resolved the issue the NIT network name descriptor output would display garbled code.
6. Resolved the issue that enable the delete null packet feature, after reboot, the unenabled channels would also have output.

Test Results

positive

Remaining Issues

1. Haven't finished the restriction for the IP section at baseboard IP output.
2. The baseboard IP output would have no bitrate when some CVBS encoders configure the programs to the baseboard.



Feature Release V1.5.35

Release NO.

CMP100-200-201-300_V1.5.35.WVUpgrade

Release Date

January 16, 2023

New Features

1. Optimize the time zone setting at baseboard.
2. Newly add the double power monitoring alarm switch.
3. Newly add import/export the NIT table feature.

Resolved Issues

1. Resolved the issue that the progress bar would overflow the enclosure when upgrade the software.
2. Modify the width of the system setting and time setting layout.
3. Resolved the issue that after switching the IPV6 address from manual setting to the auto setting which is based on IPV4 address, the NMS redirection is the address manually modified.
4. Resolved the issue that the SNMP would only return the Data address while enable reverse proxy.

Test Results

positive

Remaining Issues

1. Play the null package ts via baseboard IP output, it would occur PCR accuracy error sometimes.

Feature Release V1.5.34

Release NO.

CMP100-200-201-300_V1.5.34.WVUpgrade

Release Date

December 19, 2022

New Features

none

Resolved Issues

1. Resolved the issue that some of the language test is incorrect on the Web.
2. Resolved the issue that sometimes the fan status parameter is incorrect.
3. Resolved the issue that the module number of CR-DVBS2FTA-01 and CM-QAMA-00 is incorrect.

Test Results

positive

Remaining Issues

1. Create an account at the baseboard, the account couldn't be used to login the Web after not using this account for a while.
2. Play the null package ts via baseboard IP output, it would occur PCR accuracy error sometimes.

Feature Release V1.5.32

Release NO.

CMP100-200-201-300_V1.5.32.WVUpgrade

Release Date

November 25, 2022

New Features

1. Newly add IPV6 feature.
2. Modify the description about the IP input.

Resolved Issues

1. Resolved the issue that continue upgrading other module while there's a module is in the process of upgrade, the upgrade version number of the former module would display V0.0.0.
2. Resolved the issue that the program couldn't be normally played after set the IP address from unicast to multicast at baseboard IP output.
3. Modify the IP input/output port setting range as 1-65535.
4. Complete the missing part of Spanish、French and Italian at the Web.

Test Results

positive

Remaining Issues

1. The baseboard IP output would have low possibility to be abnormal when receive descrambled DVBC signal.
2. Play the null package ts via baseboard IP output, it would occur PCR accuracy error sometimes

Feature Release V1.5.19

Release NO.

CMP100-200-201-300_V1.5.19.WVUpgrade

Release Date

August 19, 2022

New Features

1. Merge the MOD-02 and MOD-R02 upgrade version.
2. Newly add temperature display at status page.
3. At output newly support that could add and delete PMT ES information
4. Newly modified the device alarm management.
5. SNMP relevant demand:
 - (1) Newly add alarm feature at the baseboard status page. It could display the information include relevant event name and alarm location
 - (2) Newly add alarm setting, it could configure the selection to the relevant event name.
 - (3) Newly add alarm history function, it could check the alarm record, support clear the alarm record and export the alarm record function.
6. New modification at alarm features:
 - (1) Modified the “Device overheat” to “Device Temperature High” and “Module Temperature High”.
 - (2) The feature would send alarm when the module is at 74°C, and the module would stop output RF signal when the temperature is at 80°C.
 - (3) Modify the “Power supply abnormal” to “Power supply error”.
 - (4) Modify the “Backboard channel” to “Baseboard IP Channel”
 - (5) Modify the corresponding alarm port at QAMB-02 corresponds to the silkscreen on the module(CAS、Port1、Port2).
 - (6) Modify the “Input unlock” to “No bitrate”.
 - (7) Modify the “Alarm Record” to “Alarm History”.
 - (8) It would display the last clear record action(time) after clear the history and write it into the alarm log.

(9) When the module loading over 4 minutes, it would display loading failure at the alarm page.

(10) Add power supply status and device temperature at the SNMP.

Resolved Issues

1. Resolved the issue that change the model name from CM2-DTMB-R01 to DTMB-8QY. After configuring the program at the module, the DTMB-8QY would be DTMB2-8Q.
2. Resolved the issue that change the IP which is from switch first, then change the IP from switch at the Web, and user couldn't get the normal switch status.
3. Resolved the issue that upgrade and reboot the chassis would have a low probability that the NMS2 IP from baseboard and IP from internal switch would be 0.0.0.0.
4. At CMP201 occur once that after clear the alarm history record, the clear record event didn't display at ALARM HISTORY, the log has record the clear alarm event.
5. Resolved the issue that connect the cable from the 2 data ports at the CMP chassis to the same switch(divide different VLAN) , the CMP only configure modulation output would cause the switch network crashed.
6. Resolved the issue that the CMP doesn't support audio language descriptor.
7. Resolved the issue that the alarm slot number isn't agree with the actual slot number at CM-QAMB-R02.
8. Resolved the issue that when the dual power supply type chassis has one of the power supplies is abnormal, the "device alarm" didn't display this alarm event.
9. Resolved the issue that when the module loading failure, there's no alarm event pop out.
10. Synchronize CM-QAMA-R02 modified to the version of CM-QAMB-R02.
11. Resolved the issue that there's some wrong description at the SNMP feature.
12. Resolved the issue that the channel which report alarm at CM-QAMB-R02, it would still have the alarm information after disable the channel.
13. Resolved the issue that the slot number at chassis isn't match the slot number at the SNMP-trap feature.

Test Results

positive

Remaining Issues

1. [CMP201 + CM-QAMB-02] Plug and insert the module, there would be a very low probability that would occur the data1 link status is "auto negotiation in progress". After soft reboot couldn't return to normal, plug and insert the module would return to normal.



Feature Release V1.5.10

Release NO.

CMP100-200-201-300_V1.5.10.WVUpgrade

Release Date

May 25, 2022

New Features

1. Newly add LCN standard selection at baseboard.
2. Newly at UTC +5:30 selection at system setting time feature..

Resolved Issues

1. Resolved the issue that multiplex the program from baseboard IP input to QAM output, but the ASI still have output. At ASI status display no bitrate, in fact the ASI interface do have output.
2. Resolved the issue that at CMP300 upgrade to 1.5.2 version the chassis couldn't be pinged and couldn't log in Web. The RJ45 port status light doesn't bright.
3. Resolved the issue that at CMP300 output program setting environment, when configure the cable、terrestrial、satellite transport system descriptor, it didn't distinguish the IP/ASI output.
4. Resolved the issue that the front panel LED light status isn't corresponding with the Web status.

Test Results

positive

Remaining Issues

1. Enable VLAN at CMP201, the data management cable access to the same switch, insert encode module (Use CE-HDMI-R05 and CM-QAMB-R01 for test) and modulation module(Use CM-QAMB-R01 for test). Multiplex the program which is from encoder to baseboard and modulator. Plug and insert the data cable several times, the effective bitrate from modulation output would be 2 times of the normal output effective bitrate.



Feature Release V1.5.2

Release NO.

CMP100-200-201-300_V1.5.2.WVUpgrade

Release Date

April 13, 2022

New Features

1. On the program configuration of baseboard, newly add TOT table configuration function.
2. The baseboard system configuration newly add DVB/ATSC standard mode configuration.

Resolved Issues

1. Resolved the issue that after scanning program on the baseboard, the EMM and CAT table couldn't be multiplexed independently.
2. Resolved the issue that configure to baseboard IP input, the color of program name is blue after scanning the program.
3. Resolved the issue that when power up the CMP chassis, the 4 ethernet port of front panel is abnormal.

Test Results

positive

Remaining Issues

1. Use CMP201 with t modulation would output double bitrate.
2. Restore to default or hardware reboot would have a low probability that occur the baseboard couldn't log in network management and the status light keep flashing.



Feature Release V1.5.0

Release NO.

CMP-100-200-201-300_V1.5.0.WVUpgrade

Release Date

February 24, 2022

New Features

1. Independent MAC on MGMT and Data port
2. Add Cross-firewall remote management function
3. Add PID filter function on IP input
4. On the network management, newly add delete single channel program function on the IP output of Service Configuration.
5. Add the total bitrate state on the IP input and output page.
6. Add insert function on the IP output and ASI output.
7. Newly add IP address Legitimate testing on the network setting.
8. Add PMT table trace and monitor function, and automatic update PID function.
9. The chassis add create TVCT table requirement.
10. Modify the channel navigation bar style.
11. The CP-EIT-00 module add counter on the network management.
12. The input TS detail information add AIT table display.
13. IP output support setting the Network ID.
14. The satellite receiving board support DiSEqC 1.0/1.1.

Resolved Issues

1. Resolved the issue that use SNMP function to configure the IP input and output protocol on baseboard, then configure a channel protocol into: UDP/RTP, all the channels would be configured into UDP/RTP.
2. Resolved the issue that shared PCR program multiplexing abnormal.
3. Resolved the issue that the CE-HDMI-01 module would output null package after multiplexing to the baseboard.

4. Resolved the issue that reboot the sub-board won't display "Loading" page, and fail to log in the network management after rebooting.

5. Resolved the issue that restore the default would probably occur the abnormal issue.

Test Results

positive

Remaining Issues

1. The CMP100 chassis configured baseboard output would output the null package TS.

2. The ISDBT modulation module couldn't lock the RF signal and output to TV.

3. After restoring the default and reboot, the CP-ASI-00 module on CMP201 would output serious mosaics with ASI output.

4. The DVBS2CI-00 bypass descrambled 16 programs, one of these programs would descrambling failure.

5. Configured the program which received by CR-DTMB-00 module to the CMP201 baseboard IP output. It would have continuously lost package.

Feature Release V1.4.201

Release NO.

CMP100-200-201-300_V1.4.201.WVUpgrade

Release Date

February 24, 2022

New Features

1. Add “Insert” function for IP output and ASI output.
2. Add TDT/TOT to baseboard output and add Cable Descriptors to NIT.
3. Add IP address legal detection in network settings.
4. Optimize PMT monitoring function.

Resolved Issues

6. Resolved the issue that all channels will be set to UDP/RTP when using SNMP function to set one channel protocol of baseboard IP input and output to UDP/RTP.
1. Resolved the issue that when a PCR is used repeatedly in the TS, the program multiplexing is abnormal.
2. Resolved the issue that connected to the HDMI-R01, bypass output is normal, but multiplexing to the baseboard output has packet loss.
3. Resolved the issue that the module will not display the loading interface during the reboot process, and the Web GUI cannot be accessed after the reboot, and the module must be re-plugged to recover.
4. Resolved the issue that there is a low probability that the factory reset will be abnormal.
5. Resolved the issue that there is a low probability that the MAC address error occurs when the module is unplugged and inserted, but the error disappears after refreshing the page.



Test Results

positive

Remaining Issues

1. CMP enabled VLAN and connect both data port and management port into the same external switch. Multiplex the services from encoding modules to modulating modules, re-plug the cable connecting to the data port, the output effective bitrate of the modulating module will turn out double.
2. After doing factory resetting or rebooting, there is a low probability (about 1%) that it's not able to access baseboard's Web GUI.

Wellav Technologies Ltd.

No.1, Shunchang Road, Huinan Hi-Tech Industrial Park,

zhongkai Hi-Tech Development Zone,

Huizhou, Guangdong, China 516025

www.wellav.com



Copyright ©2004-2022 Wellav Technologies Ltd.