

Release Note. (KP2 1.0.0)

date : 2022.03.24

Officially released the 1.0.0 version after testing the final RC.

Release Note. (KP2 1.0.0.RC13)

date : 2022.03.23

1. **BASE VERSION : KP2_1.0.0.RC12**
2. **H/W : KP2 MP**
3. **Changes/New**
 - 1) CH0(Camera1): always use, CH1(Camera2): DSM function disabled when there is no camera2 use setting.
4. **Fixed**
 - 1) None

Release Note. (KP2 1.0.0.RC12)

date : 2022.03.18

1. **BASE VERSION : KP2_1.0.0.RC11**
2. **H/W : KP2 MP**
3. **Changes/New**

None
4. **Fixed**
 - 1) When try FOTA using another model firmware like CP2/CP4.
 - 2) Warning when no SD card
 - 3) Beep when VOICE_TYPE set BEEP or VOICE1
 - 4) Beep when use KP2-OB-DATA

Release Note. (KP2 1.0.0.RC11)

date : 2022.03.10

1. **BASE VERSION : KP2_1.0.0.RC10**
2. **H/W : KP2 MP**
3. **Changes/New**
 - 1) **ADC logic change (Hardware changed to enhance the voltage checking function)**
12V (-0.2V), 24V (-0.5V)

- 2) Apply FSS ADAS 1.0.15 LIB (PCW max speed changed from 20km/h to 30km/h)
- 3) Apply vender ID for the different setting.ini for NA, GB, VZ, VZG
- 4) Remove "Battery Protect - Power On Voltage" setting
- 5) Apply setting.ini by model (NA, VZ, GB, VZG, VZA)
- 6) Add Voice3
 - Beep
 - Voice1: Smartwitness
 - Voice2: VZC Type A
 - Voice3: VZC Type B
- 7) Add IGN OFF event when Battery protect shutdown

4. Fixed

- 1) Debug [DMS5] 3wire-PWR/OBD-PWR setting wrong display issue.
- 2) Debug a wrong cable issue when connect OBDII-DATA

Release Note. (KP2 1.0.0.RC10)

date : 2022.02.24

1. BASE VERSION : KP2_1.0.0.RC9

2. H/W : KP2 CS

3. Changes/New

- 1) ENC_USERPWD setting range change (4 -> 8)
- 2) Write KP2-OBDII-DATA ODOMETER information
- 3) Apply FSS ADAS 1.0.14 LIB
- 4) Enable ADAS function regardless POWERTYPE
- 5) Remove B+ voltage error correction function
- 6) Add WIFI MAC information in the dmi.ini file.
- 7) Add ADAS/DSM Version in the version.ini file
- 8) Support CAN RAW DATA recording when using the KP2-OBDII-DATA

4. Fixed

- 1) Debug system warning when using the KP2-3Wire-PWR
- 2) Debug VOICE_TYPE BEEP and VOICE2 voice
- 3) Debug Recovery operation
- 4) Debug low signal area operation
- 5) Debug DrvExtraInfo 32~63 field bitmask

Release Note. (KP2 1.0.0.RC9.P3)

date : 2022.01.21

5. BASE VERSION : KP2_1.0.0.RC9.P2

6. H/W : KP2 CS2

7. Changes/New

- 1) Able to use ADAS regardless of power type.

8. Fixed

Release Note. (KP2 1.0.0.RC9.P2)

date : 2022.01.19

9. BASE VERSION : KP2_1.0.0.RC9.P1

10. H/W : KP2 CS2

11. Changes/New

12. Fixed

- 1) FOTA Issue

Release Note. (KP2 1.0.0.RC9.P1) DO NOT USE THIS VERSION.

date : 2022.01.13

13. BASE VERSION : KP2_1.0.0.RC8

14. H/W : KP2 CS2

15. Changes/New

- 1) Improve system stability
- 2) Write the Status changing by Temperature into the Extra drv data
- 3) Add DMSCMD_DOWNLOADSETTINGPARTIAL server cmd
- 4) SC606T NA Modem FW update (BP01.003)
- 5) Change ADAS_HORIZON_Y, ADAS_BONNET_Y setting range
- 6) System.log [Add KP2-OBDDII-DATA FW upgrade log]
- 7) Improve the DSM Distraction downward sensitivity
- 8) Add new power type: 3WIRE-POWER type (POWER_TYPE=7)
- 9) Update SWA natural language files
 - ✓ VoiceType=1

16. Fixed

- 1) Debug DSM data values
- 2) Debug Power type related issue
- 3) Debug ENC_USERPWD=0 setting issue
- 4) Debug System.log (DMSCMD_GSENSORCALIBRATION - Reset)

Release Note. (KP2 1.0.0.RC8.P1)

CONFIDENTIAL

date : 2021.12.27

1. **BASE VERSION : KP2_1.0.0.RC8**
2. **H/W : KP2 CS2**
3. **Changes/New**
4. **Fixed**
 - 1) Debug the DSM ExtraInfo.

Release Note. (KP2 1.0.0.RC8)

date : 2021.12.23

1. **BASE VERSION : KP2_1.0.0.RC7**
2. **H/W : KP2 CS2**
3. **Changes/New**
 - 1) Add the ADAS/DSM ExtInfo in the MDT file
4. **Fixed**
 - 1) Debug the SD unmount function when abnormal shutdown.

Release Note. (KP2 1.0.0.RC7)-Not released

date : 2021.12.20

1. **BASE VERSION : KP2_1.0.0.RC6**
2. **H/W : KP2 CS2**
3. **Changes/New**
 - 1) Improve system stability
 - 2) Add KP2-OB2-Data function
 - ✓ Add KP2-OB2-Data protocol
 - ✓ Add new power type (OBD_POWER/ OBD_DATA)
 - ✓ Add KP2-OB2-Data FW FOTA
 - 3) Improve DSM detect area
 - 4) Enable ADAS Horizon location changing
 - 5) Change DSM resolution (640x480 -> 960x540)
 - 6) Add ADAS/DSM event information in the MDT/MDX
 - 7) Update DMS lib - FaceU_3.0.0.R11
 - 8) Change PCW detect Interval range (1~60 -> 3~60)
 - 9) Add VoiceType=2(Verizon Connect) Hmw.wav file
 - 10) Add CPU usage information to the Extra drv data
 - 11) Add ADAS/DSM channel information to the MDT file.
 - 12) Add DSM auto calibration function
 - 13) Change ADAS function enable when the POWER TYPE is selected to KP2-OB2-DATA
 - 14) Change Setting.ini apply function
4. **Fixed**

- 1) Debug ADAS/DSM setting issue
 - 2) Debug "CALIBRATION_END" log in the system.log.
 - 3) Debug ADAS input speed
 - 4) Debug SMS reply
5. ETC.
- 1) Add DSM yuv dump function
 - 2) Change DSM yuv Test8
 - 3) Debug DSM_test empty folder issue

Release Note. (KP2 1.0.0.RC6)

date : 2021.12.01

1. BASE VERSION : KP2_1.0.0.RC5

2. H/W : KP2 CS2

3. Changes/New

- 1) Improve system stability
- 2) Change the operation temp. specification.

status	OFF	ON
ADAS/DSM	CPU 79°C	CPU 74°C
4G/AP	CPU 82°C	CPU 77°C
SYSTEM (KP2)	CPU 89°C	MICOM(79°C)

- $T_{\text{ADAS/DSM_off}}$: Temperature to turn off ADAS/DSM function. (79°C)
- $T_{\text{ADAS/DSM_on}}$: Temperature to re-use the ADAS/DSM function. (74°C)
- $T_{\text{4G_off}}$: Temperature to turn off 4G communication function. (82°C)
- $T_{\text{4G_on}}$: Temperature to re-use the 4G communication function from off.(77°C)
- $T_{\text{pw_off}}$: Temperature to shutdown the KP2. (89°C)
- $T_{\text{m_on}}$: Temperature to re-start the KP2 by Micom (Micom temperature 79°C)

- 3) Add UploadEvent3 API
- 4) Add G-Sensor calibration into the system.log
- 5) Add Partial Setting upload function
- 6) Improve AUTO Recovery function

4. Fixed

- 1) Debug Camera I-frame picture quality
- 2) Debug Verizon SMS
- 3) Debug MVNO sim in the UK
- 4) Debug Geofence event masking function
- 5) Debug pre-recording during Super cap charging
- 6) Debug Health check mode (UploadNotify queue clear)
- 7) Debug SD Card recovery
- 8) Debug DMSCMD_DOWNLOADSETTING

5. Others

- 1) Change the DSM YUV file testing like the ADAS YUV file testing.

Release Note. (KP2 1.0.0.RC5)

date : 2021.10.25

1. **BASE VERSION: KP2_1.0.0.RC4**
2. **H/W: KP2 CS2**
3. **Changes/New**
 - 1) Improve system stability
 - 2) Applied ADAS/DSM wav files
4. **Fixed**
 - 1) Fixed reboot when 1FPS or 2FPS recording
 - 2) Fixed AP MODE/ADAS/DSM control function
 - 3) Fixed reboot when SMS Modem reboot process
 - 4) Fixed Data Retention Period Bug

Release Note. (KP2 1.0.0.RC4)

date : 2021.10.01

1. **BASE VERSION: KP2_1.0.0.RC3**
2. **H/W: KP2 CS2**
3. **Changes/New**
 - 1) Improve system stability
 - 2) Add AP MODE/ADAS/DSM control function according to temperature
 - 3) Improve network transmission image
 - 4) Improve KP2-GB SMS behavior
 - 5) AT&T 3G sunset response (disable voice/IMS)
4. **Fixed**
 - 1) Fixed bug where NO SIM message was displayed when SIM was inserted
 - 2) Fixed a bug where calls could be received in an unanswered situation
 - 3) Fixed bug where 2FPS was recorded when recording 1FPS
 - 4) Fixed FSS ADAS/PUX DSM Bug

Release Note. (KP2 1.0.0.RC3)

date : 2021.09.09

1. **BASE VERSION: KP2_1.0.0.RC2**
2. **H/W : KP2 CS2**

3. **Changes/New**
4. **Fixed**
 - 1) Debug IMEI Validation failure

Release Note. (KP2 1.0.0.RC2)

date : 2021.09.09

1. **BASE VERSION: KP2_1.0.0.RC1**
2. **H/W: KP2 CS2**
3. **Changes/New**
 - 1) Enhance system stability
 - 2) Enhance GPS function
 - 3) Update ADAS / DSM function (5hours limited version)
4. **Fixed**
 - 1) Debug IMEI update error

Release Note. (KP2 1.0.0.RC1)

date : 2021.09.07

1. **BASE VERSION: KP2_0.9.1.RC6**
2. **H/W : KP2 CS2**
3. **Changes/New**
 - 1) Enhance system stability
 - 2) Add FSS ADAS/PUX DSM function (5hours limited version)
 - 3) Improve Ecall specification
 - 4) Apply IMEI instead of DRID as the RecorderID
 - 5) Improve USB driver
4. **Fixed**
 - 1) Debug INCOMING CALL sound
 - 2) Debug DMS FORMAT command
 - 3) Debug IMEI reading error
 - 4) Debug Audio Record by Panic function

Release Note. (KP2 1.0.0.I1)

date : 2021.08.27

1. **Identically same with KP2_0.9.1.RC6**

2. Made Special 1.0.0 version for the PTCRB/Carrier IOT

Release Note. (KP2 0.9.1.RC6)

date : 2021.08.27

3. BASE VERSION: KP2_0.9.1.RC5

4. H/W: KP2 CS2

5. Changes/New

- 1) Enhance system stability
- 2) Support IOT test (Include USB tethering)
- 3) [Add functions]
 - ✓ Change Default setting.ini
 - ✓ Add Audio Record By Panic function
 - ✓ Video Mask LED specification change
 - ✓ Enhance Ignition Filter function
- 4) Support H.265 (Hidden setting) => No PC solution yet.
- 5) Add device_info/version.ini information
- 6) Add PANIC button function using ECALL button (select by setting)
- 7) Remember the last GPS location when Geofence zone set.
- 8) [DMS5] G-SENSOR CALIBRATION RESET function
- 9) increase the UploadSnapshot API image fps
- 10) Use average value for the G-SENSOR, GYRO SENSOR representative value
- 11) Enhance Ecall function
- 12) Enhance WIFI function

6. Fixed

- 1) Debug IMEI reading error
- 2) Debug Ecall function
- 3) Debug Speaker function
- 4) Debug Modem control error
- 5) Debug [DMS5] modem version error
- 6) Debug DRV sending error
- 7) Debug RECBTN_ENABLE/disable error

Release Note. (KP2 0.9.1.RC5)

date : 2021.08.05

6. BASE VERSION : KP2_0.9.1.RC4

7. H/W: KP2 CS2

8. Changes/New

- 1) Add SOC temp. write function

9. Fixed

- 8) Enhance the system stability

- 9) Enhance live stream
- 10) Debug network fps
- 11) Debug UploadEvent/Snapshot images
- 12) Debug file size by fps
- 13) Debug DRV extra data Network field 0(X)
- 14) Debug Format by server command
- 15) Debug modem control

Release Note. (KP2 0.9.1.RC4)

date : 2021.07.15

10. BASE VERSION : KP2_0.9.1.RC3

11. H/W : KP2 CS2

12. Changes/New

- 1) Change the debug log size and file number

13. Fixed

- 16) Enhance the Voice Call related event and alarm sound
- 17) New SDK(20210615) speaker volume level matching
- 18) Debug Mtg driver issue during live stream
- 19) Debug RESTART related bug
- 20) Debug LED operation
- 21) Debug WiFi AP mode issue
- 22) Debug Memory leak bug

Release Note. (KP2 0.9.1.RC3)

date : 2021.07.08

14. BASE VERSION : KP2_0.9.1.RC2

15. H/W: KP2 CS2

16. Changes/New

- 1) Modem FW update

17. Fixed

- 23) Debug Mask CH related bug
- 24) Debug Server command related bug

Release Note. (KP2 0.9.1.RC2)

date : 2021.07.07

1. BASE VERSION : KP2_0.9.1.RC1

2. H/W: KP2 CS2

3. Changes/New



- 1) Apply NEW SDK (20210615)
 - ✓ Apply new audio API
- 2) Change pin control for the battery protection function

4. Fixed

- 1) Debug Voice Call receive Number related bug
- 2) Debug When there is no Phone Number in the SIM, display it as "PHONE:ff"
- 3) Debug FOTA CommandComplete
- 4) Debug error message during AP mode. (cannot prepare channel: errno =-9)
- 5) Debug 1FPS setting issue
- 6) Debug DRV file.
- 7) Debug Voice call related bug.
- 8) Debug Speaker volume
- 9) Debug server connection

Release Note. (KP2 0.9.1.RC1)

date: 2021.06.14

1. **BASE VERSION**
2. **H/W: KP2 CS2**
3. **Changes/New**
 - 1) **The first RC version for KP2 CS2 sample.**