

■ Fault symptom

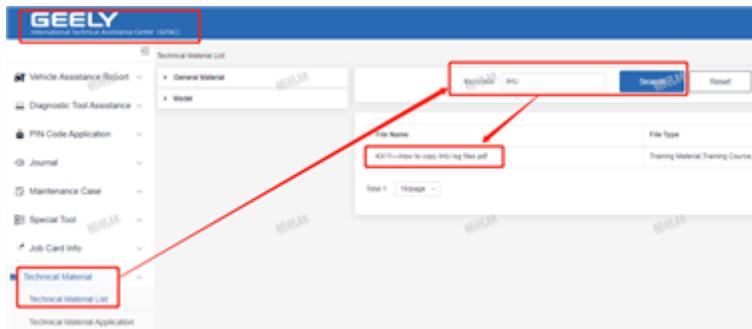
Customer could not find radio stations when searching automatically. However, everything worked well while searching manually. After adding manually found radio stations to favorites and switching to the next wave, the multimedia skipped favorite radio stations, and finally no stations had been found.

■ Fault diagnosis process

1. Confirmed the fault phenomenon.



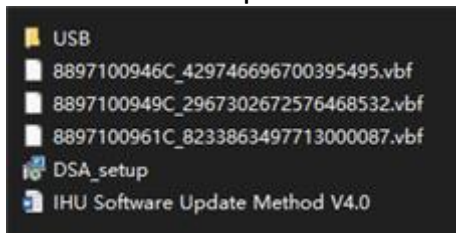
2. Since it was a fault of MMI, we need to copy the IHU log for analysis. Copied IHU log and recorded the time when the fault occurred. There was an operation method on GITAC.



3. Unfortunately, due to software issues, the radio malfunction could not be located. The engineer decided to update the software specifically to catch faults. At first, we hoped to update by ADB port But there was no ADB port on the car.



- Then we changed the method to DSA & USB Drive. There were 2 kinds of method which need to operate both.



- However, due to the complexity of the operation methods, the process of copying IHU log was not smooth. Thanks to the dealer for their repeated assistance, we got the log finally.
- The level of the local radio station in Minsk is relatively low, between 22 and 35, and the level filter set by the system is 43, which causes the malfunction.

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行 53638: 09-18 14:16:37.908 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:9280, level:31, usn:8, wam:17, offset:0"
行 53657: 09-18 14:16:37.962 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:9280, level:28, usn:6, wam:17, offset:0"
行 56446: 09-18 14:16:39.074 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:9370, level:35, usn:4, wam:7, offset:-1"
行 56476: 09-18 14:16:39.116 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:9370, level:35, usn:4, wam:9, offset:0"
行 4382: 09-18 14:16:46.495 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:9950, level:30, usn:0, wam:8, offset:0"
行 4440: 09-18 14:16:46.523 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:9950, level:32, usn:3, wam:5, offset:0"
行 6257: 09-18 14:16:13.016 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:10040, level:25, usn:3, wam:11, offset:0"
行 6276: 09-18 14:16:13.052 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:10040, level:24, usn:4, wam:14, offset:0"
行 7135: 09-18 14:16:47.621 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:10040, level:22, usn:3, wam:19, offset:0"
行 7191: 09-18 14:16:47.654 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:10040, level:26, usn:3, wam:12, offset:0"
行 9598: 09-18 14:16:48.590 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:10120, level:33, usn:3, wam:6, offset:0"
行 9659: 09-18 14:16:48.621 674 795 D vendor.ecarx.ts.radioservice.afm: [amfnrdsFuncToHal.c:amfnrdsHalMainReqDataUpdate:75] "fmrq playfreq:10120, level:33, usn:4, wam:6, offset:0"

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- The engineer decided to reduce the level filter value to 20.

■ Fault solution

Update IHU software modified.

■ Quality inspection & repair confirmation

Recheck again and confirm problem is solved.