

HD 9310 Release Note (V7799.190503R1)

2019.05.03

- **Version**

Release Version: V7799.190503R1
(Previous Version: V7621.190109R1)

- **Highlight and change log**

- Support BDS B2a signal
- Improve GLONASS L1OF and L2OF measurements stability and quality
- Fix the GLONASS time of day in RTCM output
- Support Galileo PRN to 36
- Fix the data missing issue caused by navigation data receiving
- Reduce the GALILEO E1 chip spacing for preventing 2nd peak code false lock in dynamic mode.
- Reduce the code tracking loop bandwidth of GPS in pull-in for reducing the PR noise after entered lock state
- Fix a bug in setting the notch filter

- **Basic setting**

- Baud rate : 115200
- Measurements update rate : 1hz (max. 10hz)
Notice: it supposed to raise baud rate to 230400 at least in 10 hz RTCM output, and setup NMEA messages output properly to reduce the throughput of data transmission.

- **New features**

- Supporting IRNSS (NAVIC) and raw data output in option A (specific firmware)

System	GPS/QZS					BDS					GLO		GAL			IRNSS
	L1CA	L1C	L2C	L5	L6	B1I	B1C	B2I	B2a	B3I	L1	L2	E1	E5	E6	L5
HD9310A	√			√		√			√		√		√	√ ¹		√ ³
HD9310B	√		√ ²			√		√			√	√	√			
HD9310C	√		√ ²			√				√	√		√			

¹support E5a and Pilot channel only

²support L2CM

³support by specific firmware