



Release Notes

Navigil 580 firmware release 10.1

5/9/2023

1 Release summary

This release introduces several new features and significant enhancements.

If you have any questions about changes in this release, please feel free to contact Navigil Support [support@navigil.com].

Release 10.1 software component versions

MCU	Bootloader	BLE	GNSS	Wellness library	Language file	Audio prompts	DSP binary
v5.19.0	v5.1.0	v2.2.0	v19913	v4.1.0	v1.11	v2.2	v6.1.15

2 Changes to existing features

2.1 Fall detector algorithm updated

The fall detector algorithm has been replaced by a drop detector, meaning a free fall followed by a hard impact. The symbols and the watch communication are as earlier.

2.2 Display layout changed

The display layout of the watch has been changed. The UP and DOWN arrows have been moved to the right side of the display, above and below the RIGHT arrow. Thus the full display height is available for contact names.

2.3 Prompt for the 'SOS message delivered' removed

The prompt for the 'SOS message delivered' has been removed due to possible inaccuracy in delivery time, e.g. when the network coverage is poor. Anyway, the SOS message will be delivered as soon as possible.

3 New features

3.1 Several protection features added

The following protection features have been added as optional to the firmware

- Encrypted communication
- Encrypted message buffer, event log, and black box
- Digital signatures of firmware and configuration files
- Password protection of the local command console
- Local communication ports disabled

3.2 Support for displaying contact names

The watch supports a bigger display area for showing e.g. Japanese contact names.

4 Enhancements and bug fixes

- The volume adjustment during a call affects only the ongoing call.
- A configuration option for disabling the SOS call button has been added.
- In general, the success of calls and call tracking has been improved.
- Fixes are made to the reliability of position reporting when there are multiple positioning requests.
- Fixes are made to ensure safe upgrades between firmware releases by preventing server address loss.

Additionally, other small fixes and improvements are made.

5 Known issues - none