



Release Notes

Navigil 580 firmware release 9.0

30/06/2022

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 9 software component versions

MCU	BLE	GNSS	Wellness Library	DSP binary	Language file	Audio Prompts
v4.22.0	v2.2.0	v19913	v4.1.0	v6.1.15	v1.11	v2.2

2 New features

2.1 Enhanced location reporting

We have significantly re-designed all location reporting capabilities. Location features can now be enabled/disabled individually and further customized via profile settings.

Event positioning

Location of significant events, such alarms and SOS calls, are stored and sent to Navigil Service where they are marked on the device map.

Bread crumb trail

The normal tracking feature is now called a bread crumb trail. When enabled, the watch GPS uses moderate power to record location. This feature is intended to send the locations to the service in case the watch user is moving in areas that have no GPS reception, such as inside buildings or vehicles. The bread crumbs will be visible in the service and the location of the user can be estimated using them.

Route recording

Route recording is location tracking without real-time reporting to Navigil Service. When enabled, the watch tracks and saves location details. These are sent to Navigil Service as a route with specific start and end points when the recording is stopped. This is intended to be used to see in detail where the user has been moving, and measuring the distance travelled.

Geofence monitoring

A new low-power location feature, geofence monitoring only checks location to ensure that the user is within the safe zone. No locations will be sent to Service within the safe zone. Alarm and location will be sent to the Service only if the user goes outside of the safe zone.

Emergency tracking

Emergency tracking is a location feature that can only be activated via Navigil Service. When activated, the watch uses full-power GPS to track and report the watch user's location.

2.2 Heart rate out of range

In the Wellness Dashboard, you can set high and low alerts for heart rate. If these limits are exceeded, the watch will now send an "HR limit exceeded" alarm.

2.3 Find watch

If a watch is misplaced, you can now use the find watch feature to locate the watch. The feature is activated from Navigil Service. When turned on, the watch beeps and displays text "Find watch active."

When the watch is located, you can turn off the feature by pressing and holding the CROWN button.

2.4 Service menu update

We have added two new activation triggers to the Service (installer) menu. You can now activate a fall detection alarm and an SOS recording.

2.5 Support for new sleep and HR capabilities

We have introduced new sleep logging capabilities with this release. Sleep analysis features will be added to the Navigil Service at a later date.

In addition, the watch can now indicate if the heart rate (HR) measurement quality is bad. HR quality warning will be added to the Navigil Service at a later date.

3 Enhancements and bug fixes

3.1 No movement UI improvement

If no movement is detected over a three-hour period, the watch beeps and displays the text "Wear watch." If there is still no movement for 15 minutes after the reminder, a notification sent to Navigil Service.

The no movement alarm is enabled by setting the notification in the device settings in the Service.

3.2 Bug fixes

- The watch will no longer display "No SOS number" text when the SOS button is pressed but there is no SOS number or call center configured for the watch.
- Beacon area statistics now support 30 separate area codes (increased from 6)
- Cancel delay for fall detection and safety timer increased from 10 to 20 seconds

- Call auto answer delay increased from 1 to 3 seconds
- Watch serial number added to watch info view (FCC menu)
- Fixed "s" missing in the "Nombres" (Names) menu for Spanish
- Fixed firmware update process so that wellness data is preserved as expected
- Fixed SCAIP timeout not getting set correctly when starting a call.
- Fixed call state timeout getting reset when changing volume.
- Fixed problem with SOS recoding where one of the recordings was only sent after reboot.
- Fixed issue that caused possibly long delays before the mobile connection is re-established once connectivity is turned on again (in/out of home beacon range option)

4 Known issues

4.1 No indication when SOS call is answered in stealth mode

Description

When the watch is in stealth mode, sounds are muted. It is therefore not possible to hear when an SOS call is answered. The watch vibrates twice when the call is connected to the service, indicating that the receiver's phone is ringing. However, there is no additional indication when the call is answered.

Workarounds

Making a regular call from the Names menu will have the audio active. If a silent call is required, there is no workaround. The caller can only guess when the SOS call has been answered, and maybe repeat information just in case.

4.2 Connectivity and call issues in some networks

Description

In some networks, connectivity issues have been identified. This can cause problems when calling the watch.

Workarounds

If the watch sends some data to the network, it will be available for a short period. You can, for example, make a call from the watch if you need to reach the watch over the network. Please contact support if you experience this problem.

4.3 Call issues in some networks

Description

In some networks, the data does not flow as it should from the network to the watch or vice versa. This can result in silent calls or calls that have silent moments that eventually start to work again as normal.

Workarounds

In SOS calls, the watch hangs up if the network data connection is too poor and reverts to SOS message recording. When using the Names list to make a call, the watch will not end the call even if there is poor data connectivity.

4.4 SCAIP calls when SOS calls disabled

Description

If SOS calls are disabled in the profile, this setting will only work if SCAIP help request is not activated.

Workarounds

When SOS calls should be disabled and SCAIP is in use, the SCAIP help request should not be set in the watch settings.