

NAVIGIL

Navigil 580

Stylish telecare wristwatch for preventive care and monitoring



- Stylish showerproof analog wristwatch
- LTE phone with mobile call function
- Wearer activity tracking
- Wellness data tracking and analysis
- Single button SOS call
- Indoor beacon and outdoor GPS location
- Long battery life

The NAVIGIL 580 wristwatch has been designed for persons who wish to stay active and keep track of their wellbeing. The device display provides users with real-time feedback on their daily activity progress. Weekly and monthly activity achievements can be monitored via the Navigil Service, accessible through a web browser.

Detect changes in level of activity and routines

Navigil Service provides tools for analysing activity, wellness and location data collected by the device. Activity statistics and trends can help identify changes in the wearer's level of activity and daily routines. Significant short-term changes or gradual changes over a longer period may provide useful information for assessing changes in the wearer's wellbeing.

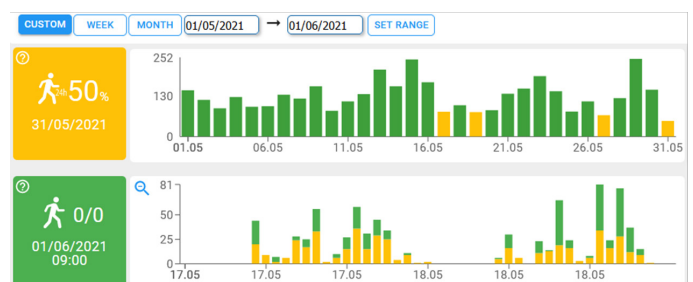
Making these changes visible can support timely follow-up and preventive care, helping people maintain their independence and quality of life.

Easy to deploy

Navigil 580 is delivered with an eSIM. After selecting the appropriate wearer profile and defining the phone numbers, the device is ready for use. Profiles are available for different types of wearers, with the interface tailored to the user's

dexterity and capabilities. All profiles are enabled to receive phone calls.

Navigil Service includes emergency call and notification routing services, as well as e-mail notifications for alarms and warnings. Advanced hardware power-saving modes and intelligent power management help extend operating time between charges. Navigil 580 can operate for up to 6 days while registered to the mobile network and sending periodic reports. Actual operating time depends on factors including network conditions, mobility, the selected wearer profile, reporting frequency and device usage.



MOBILE COMMUNICATION	Modem type	LTE Cat-M1 modem compatible with bands in Europe, North America and Japan
	Communication	UDP, VoIP
GPS	Receiver type	GPS receiver
	Sensitivity	GPS receiver acquisition up to -148 dBm, navigation up to -162 dBm
	A-GPS	A-GPS assistance
	Tracking	Emergency, adaptive breadcrumb trail, alarm event location
SHORT RANGE COMMUNICATION	BLE	Bluetooth Low Energy beacon location
AUDIO	Microphone / speaker	Adjustable volume control
USER INTERFACE	Wearer profiles	Auto, easy, full and tracking profiles, custom profiles on request
	Adjustable UI	Selected profile enables/disables UI features
	Watch	Analog watch, two software controlled hands
	Buttons	Crown, Emergency call, two keys (up/down)
	LEDs	2 user interface / status LEDs
	Other	OLED display, speaker, microphone, haptic feedback
SENSORS	Onboard	3D accelerometer, optical sensing for resting HR/HRV/respiratory rate
BATTERY	Li-ion	500 mAh
OPERATION TIME	Phone always on	Up to 6 days, depending on network conditions, mobility, selected profile, reporting frequency and device usage
	Phone on when required	Up to four weeks, depending on selected profile, network conditions and device usage
SOFTWARE FEATURES	Voice communication	VoIP with secure interconnect to phone networks
	Data communication	Encrypted, resilient with message buffering on flash
	Over-the-air updates	Configuration, parameters, safe zone, firmware and boot loader
	Safe zone functionality	Polygon or circle safe zones with validity time attributes
	User initiated phone calls	To alarm receiving centre and up to 8 speed dial numbers
	Receiving phone calls	Automatically or by user accepted calls, white list access control
	Alarms	Battery critical, battery low, no movement, home exit, safe zone
	Activity statistics	Wearer statistics including duration of very active, active, little movement, beacon area, out of home periods
	Wellness data tracking	Resting heart rate, resting HRV and resting respiratory rate statistics with trend analysis
	Event reports	Periodic status, help request call, home beacon, activity statistics, battery status and charging reports, location reports
TEMPERATURE RANGE	Operation	Use: -20°C - +45°C, charging 0°C - +40°C
CERTIFICATIONS		RoHS, CE, 2014/53/EC (RED), FCC, PTCRB, AT&T
AVAILABLE VERSIONS	Navigil 580	Europe, North America, Japan versions, wristwatch and strap designs
ENCLOSURE	Navigil 580	IP67 proof, standard strap, 22 mm interface
DIMENSIONS	Navigil 580	Diameter 46 mm, thickness 14 mm, weight 46 gr. (normal strap)
BEACONS	Battery beacons	For indoor location and statistics on wearer's daily routines.