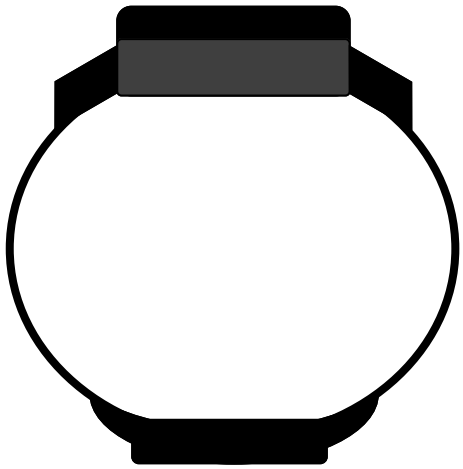
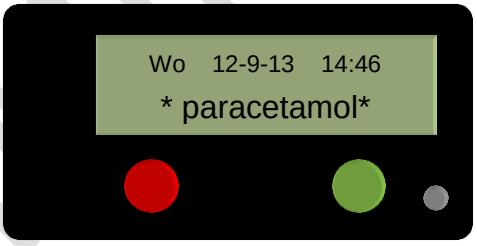
Ninthway Radio Network Technology

DATA SHEET

NTM PAGER WITH VORN AND DISPLAY

BOGGLE		
	Article number:	BOGGLE
	Size:	62 x 31 x 11 mm
	Function:	Pager with audio and visual notifying. VORN intercom. Personal guard.
	Standards:	EN300-220-1 EN300-220-2 EN300-220-3 IEEE 802.15.4 EN54-25 IIC

Specifications

Functional diagram	
Description	The Boggle is enhanced NTM transceiver with VORN capability (audio intercom) and equipped with a shock and temperature sensor in the form of a wristwatch. It can be used as a pager in a nurse call system based on the Ninthway high secure radio network It shows calls from NCA or NCB call stations, and with a simple push sets up a VORN (voice over radio network) communication link with the activated NCA station. The Boggle can also be used as a personal watch station or emergency button with built in intercom facility and movement sensor. It has a real time clock, with multiple alarms that generates information on the display and audio messages. A user can activate an alarm broadcast by ticking on the device. The device carries a shock sensor that will detect free fall or abrupt motions

PRELIMINARY

BOGGLE	
	indicating the user is falling. The multi alarm feature provides a set of unique and repeating alarms to remind the user on take some action (taking medicine). The Boggle carries a temperature sensor that can give an estimate of the body temperature. Alarms can be set using the sensor. Alarms, display signals and audio signals can be set using remote programming from a base station.
VORN	Electret microphone with built-in AGC. Ceramic speaker.
Sensors	Temperature sensor MCP9800. -10 to +85 ^{o}C. 3D Accelerometer ADXL345.
Programming	See application note 8; Manual for the Boggle
Indicators	LD1 Green LED LD2 Yellow LED LD3 Red LED 2 x 40 character matrix display
Power supply	CR2450 LiSoCl2 in battery holder at the clip.
Radio parameters	See datasheet en manual NCA
NTM mode	The NCA-mode is activated using function 7.
Mounting instructions	Preferably wear on left wrist.
Additional information	Datasheet NTM_3 Application note 1; Programming the NTM. Application note 2; Ninthway high secure radio network. Application note 8: Manual for the boggle.

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