# **SIEMENS**

# User Manual for AyCare

V2.1

# AyTerminal

Issue February 2007

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## **1Introduction**

## **1.1Purpose of the document**

The purpose of this document is to describe and specify in detail the GUI for the product AyCare, an AyTerminal AyApplication.

It is based on the 1.0 version of the AyCare AyApplication.

## 1.2Validity of the document

This document is valid for the AyTerminal project, a subproject of AySystem. The document describes how to use AyCare AyApplication.

Abbreviation	Description
APN	Access Point Name
AySnapOn	additional devices to improve the functionality of the AyTerminal device
DNS	Domain Name Server
EW	East-West
GPRS	General Packet Radio Service
GPS	Global Positioning System
GSM	Global System for Mobile Communications
GUI	Graphical User Interface
IMEI	International Mobile Equipment Identity
LED	Light Emitted Diode
MSISDN	Mobile Subscriber ISDN number
NET	Network
NS	North-South
OLED	Organic Light Emitting Diode
PIN	Personal Identification Number
PUK	Personal Unblocking Key
SIM	Subscriber Identity Module
SMS	Short Message Service
URL	Universal Resource Locator

## 1.3Definitions of abbreviations

Table 1-1 Abbreviations

## 2AyTerminal Device

## 2.1Device description

AyTerminal is device that enables phone calls; temperature, noise and acceleration measuring;, sounding alarms; or notifying the user via web pages, siren, voice call and SMS. All this numbered features are AyApplication specific.



Figure 2-2 Lumberg connector



Figure 2-3 Release button



Figure 2-4 Hold-switch

## 2.1.1Hold-switch

This switch prevents unintended button presses, see Figure 2-4. A button press is accepted only in case the switch is in position "unlock". If the hold-switch is in position "lock" the only accepted action is the long-press onto the central button, if this is enabled by AyApplication e.g. to enable emergency calls.

If the AyTerminal is off, the hold-switch on "lock" and long press is performed the AyTerminal will NOT turn on.

## 2.1.2Status LED

This status LED is used to provide feedback to the end-user about the current AyTerminal status.

The dual-color LED is able to show the following colors:

- BLACK (off),
- GREEN,
- RED,
- ORANGE (mixture between red and green).

The LED is able to blink within the range from once per 25 seconds (0,04Hz) to 10 times per second (10Hz).

Following table shows the status of the Status LED depending on the AyTerminal status.

	Status LED	
color	type	Ayrenninal status
GREEN	permanent	AyTerminal OFF, charger connected, battery charging mode
RED	permanent	AyTerminal OFF, charger connected, battery charging error
ORANGE	permanent	AyTerminal OFF, charger connected, battery charging finished

GREEN	permanent	AyTerminal ON, startup phase
ORANGE / GREEN	blinking (500msec ORANGE, 500msec GREEN)	AyTerminal ON, startup phase, firmware update
GREEN / BLACK	blinking (100msec ON, 2000msec OFF)	AyTerminal ON, mode active or idle
ORANGE / BLACK	blinking (100msec ON, 2000msec OFF)	AyTerminal ON, shutdown phase (selection of Turn OFF item)
GREEN / BLACK	blinking (100msec ON, 200msec OFF)	AyTerminal ON, GPRS/SMS/GSM transmission •
RED / BLACK	blinking (300msec ON, 300msec OFF)	<ul> <li>AyTerminal ON, error indication like:</li> <li>low battery,</li> <li>to many AySnapOn's connected,</li> <li>no SIM inserted</li> </ul>
ORANGE / BLACK	blinking (300msec ON, 300msec OFF)	AyTerminal ON, AyApplication alarm is triggered
RED	permanent	AyTerminal ON, critical error, device deactivation after 15min
<b>T</b> - 1-1		

Table 2-2 Status LED colors depending on AyTerminal status

In case of two or more simultaneous events that can trigger the change of Status LED color there have been established priority rules.

These rules are:

- If the Status LED color is blinking ORANGE or RED then the Status LED color can not be changed to GREEN (permanent/ blinking slow/ blinking fast). In this case the status LED ORANGE/ RED must be first stopped and after that the status can be changed to GREEN (permanent/ blinking slow/ blinking fast) or the change request for GREEN can be performed but the status will be changed only when ORANGE/ RED will be turned off.
- 2. Permanent/ Fast/ Slow RED LED status can be set no matter the current LED status
- 3. If the status LED color is blinking RED then the Status LED color can not be changed to ORANGE (permanent/ slow/ fast). In this case the status LED RED must be first stopped and after that the status can be changed to ORANGE (permanent/ blinking slow/ blinking fast) or the change request for ORANGE can be performed but the status will be changed only when RED will be turned off.
- 4. In case of turning off one status LED the previous status LED is set back (e.g. Previous status is slow GREEN and current status permanent RED. When the status RED is removed then the slow GREEN is again established as status of the LED)

Example of applying the rules:

In case of triggering an alarm it is defined that the status LED becomes fast blinking ORANGE. In case of SMS it is defined that the status LED is blinking GREEN. If SMS is sent meanwhile the alarm is triggered then the change request for status LED GREEN is stored but the status is changed only when ORANGE is turned off (rule number 1).

#### 2.1.3Lumberg connector

Using this 12 pin slim Lumberg connector is possible to:

- connect a Siemens standard headset and use it for GSM voice calls.
- connect the AyTerminal charger for charging the AyTerminal battery.

## 2.1.4AySnapOn connector

This connector is used to connect up to four AySnapOns.

### 2.1.5Navigation buttons

The navigation buttons provide the input possibility for the AyTerminal user.

There are 4 touch sensor buttons around the display for the following navigation purposes:

- Arrow up up button
- Arrow down down button
- Back button left button, Cancel button
- OK button right button, Entry button

Additionally, the display itself is a mechanical button (startup the AyTerminal/application specific purpose).

For the central button the AyTerminal can distinguish between single click, double click, and long button press.



#### 2.1.5.1Navigation through the menu structure

In a menu layout the first menu item is selected by default. Another item can be selected by pressing the up or down buttons.

Depending on the type of the selected menu item, pressing the right button will:

- Accept the selection
- Check/uncheck the item (if a radio button or a check box is displayed in front of the item)

To go back to the previous menu level the left button has to be pressed.

#### 2.1.6Speaker

The speaker of the AyTerminal is used for GSM voice calls and for providing an acoustic feedback. For the following use cases an acoustic feedback is provided:

- On navigation button click
- On AyApplication specific triggering of a predefined alarm tone/ ring tone
- On AyApplication specific triggering of predefined acknowledgment tones
- On Incoming voice calls with predefined ring tones

#### 2.1.6.1Acknowledgment tones

There are positive and negative acknowledgment tones. One beep indicates a positive acknowledgment, three beeps a negative acknowledgment. The table below lists acknowledgment use cases

Event	Positive	Negative
Event	(one beep)	(two beeps)
FW download	Yes, download accepted	No, download rejected
To many AySnapOns	No	Yes
Entering PIN	Yes, successfully	No, incorrect PIN
Entering PUK	Yes, successfully	No, incorrect PUK
New AySnapOn connected, Search item selected	Yes, found	No, not found

Table 2-3 Positive and negative acknowledgment for some events

#### 2.1.6.2Ring tones

There are 7 available ring tones which can be used in AyApplications. With AyCare application these ring tones can just be played from Settings/ Audio/ Ring tones.

#### 2.1.6.3Alarm tone

Alarm tone is an internal alarm which is used in AyCare for playing siren in case of alarm (if the mode is defined so).

#### 2.1.7 Microphone

The microphone is used for the GSM voice call or as noise sensor.

#### 2.1.83D-Ego-motion sensor

The ego-motion sensor is used to detect AyTerminal movement.

#### 2.1.9Temperature sensor

The temperature sensor provides the information about the AyTerminal environmental temperature. The temperature range is defined by the operating range of AyTerminal with a temperature-accuracy of +/-1,5°C @ 30°C without charger connected and OLED display off. In case of a connected charger (OLED display always on), the internal temperature of the AyTerminal will rise due to the charging process. The AyTerminal will counterbalance this internal heating but

the temperature sensor will have lower environment temperature accuracy due to the battery charging.

### 2.1.10**OLED display**

The AyTerminal has a *white* OLED display with 128x96 pixel resolution which is also the active display area used for the screen layouts. In standard mode the used font is Tahoma 15x16 proportional and in jumbo mode the font Tahoma 23x24, each font consisting of maximum 128 characters. These fonts allow English and German user interfaces. All characters that are not supported by the character set of the used font will be shown as '?'.

#### 2.1.11Battery charging

The AyTerminal can be connected to a charger either when the device is switched on or off. It takes approximately three hours to fully charge the battery.

#### 2.1.11.1Connecting a charger & AyTerminal switched off

If the device is switched off and a charger is connected then the charging battery symbol will be shown on the display (see Figure 2-6). The AyTerminal can be turned on by pressing long the central button.



Figure 2-6 Charging possible states of AyTerminal

2.1.11.2Connecting a charger & AyTerminal switched on

If the device is switched on and a charger is connected, the charging battery symbol will be shown while the status bar is shown, see Figure 2-7. The AyTerminal will work normally like it does without charger connected.

<b>i</b> l	II €
Voice Call	
Panic Button	voice call
Baby Phone	Panic Butto
Emergency Call	Baby Phon
	Daby I Holl

Figure 2-7 AyTerminal ON charging mode

2.1.11.3Charger connected, AyTerminal running, shutting down

If the changer is connected while AyTerminal is switched on and user selects Turn Off in main menu, shutting down procedure is started – see the chapter 4.9, and the AyTerminal pass in charging state. A screen like in Figure 2-6 is shown. If after this screen is shown the charger is removed then AyTerminal is turned off. The AyTerminal can be turned on again by pressing long the central button.

2.1.11.4Connecting charger before shutting down AyTerminal

If after connecting the charger Turn Off item is selected in main menu the AyTerminal is executing a turning off procedure (see the chapter 4.9). While AyTerminal is turning off and the charger is connected then AyTerminal will enter in charging state and a screen like in Figure 2-6 is shown.

**NOTE: Do NOT** connect charger while TURNING OFF the AyTerminal because the data that is being saved might be corrupted!

## **3Installation and startup**

## 3.1Installation

Remove the battery cover by pressing the Release button (see Figure 2-3). Slide the SIM card into its holder. Make sure that the gold contacts of the SIM are facing down and the cut off corner is correctly aligned. Insert the battery side way into the AyTerminal and then press it downwards until it clicks into position. Place the battery cover back.

## 3.2Startup

Press the central button of the device for at least 2 seconds in order to turn on the AyTerminal. A correct startup is indicated by the LED blinking green and a simple animation is shown on the display Figure 3-8.



Figure 3-8 AyTerminal simple animation

#### 3.2.1Loading screen

In a few seconds after the LED is ON the AyTerminal loading screen will be displayed, as presented in Figure 3-9.



Figure 3-9 AyTerminal loading screen - standard and jumbo mode

#### 3.2.2 Emergency call mode

During AyTerminal startup, if there is no SIM card inserted or the inserted SIM card is not locked to the AyTerminal, only the following menu will be available:

Emergency call
Turn OFF

Figure 3-10 AyTerminal emergency call menu structure

Choosing the emergency call item by pressing the accept button, an emergency call is initiated. The GSM mobile phone standard includes **112** as emergency number. In countries where 112 is not the standard emergency phone number the emergency call will be redirected to the local emergency phone number, if it exists.



Figure 3-11 Emergency call menu – standard and jumbo mode

#### 3.2.3PIN/PUK input

If the SIM card was inserted correctly and the SIM PIN control is enabled the following screen will be shown. The selected digit can be changed by using the up/down navigation buttons (digit range is from 0 to 9). The PIN is requested to have between 4 and 8 digits. Because of this constraint the OK option is shown and can be selected after the 4th digit was inserted.



Figure 3-12 PIN input screen – standard and jumbo mode

If the entered PIN is incorrect, then a message like in Figure 3-13 is displayed.



Figure 3-13 Incorrect PIN – standard and jumbo mode

If the PIN is entered false for 3 times then the PUK is required (see Figure 3-14). The PUK number of digits is fixed to 8 digits. After entering the PUK the PIN will be set to "1234" and a message is shown informing about the change of PIN. For changing the PIN please see chapter 4.8.7.3. If the PUK is incorrect then a similar message like for a wrong PIN will be displayed.

Enter PUK 9	The PIN is set to
***1 1 2	1234.
Figure 3-14 PUK inpu	t screen – standard screen





#### Figure 3-15 PUK input screen and message shown after correct PUK – jumbo mode

If the PIN/PUK entry is canceled by pressing the Back button when the input line is empty, the AyTerminal emergency call menu will be displayed (see 3.2.2).

#### 3.2.4Boot screen

After the PIN/PUK is entered correctly, the AyTerminal boot screen will be displayed, as presented in **Figure 3-16**.



Figure 3-16 AyTerminal boot screen – standard and jumbo mode

If AyTerminal was not registered on AyServer then the default nickname ("John Doe") will be displayed.

## 4AyCare application

The AyCare application has three modes (see chapter 4.2 for more details). Each mode has its own menu and functionality. Different notifiers can be chosen for each mode:

- Sending an SMS to a defined number
- Establishing a voice call to a defined number
- Informing the AyServer via GPRS
- Playing a siren using the AyTerminal loudspeaker.

Not all the notification types are available for each mode.

A mode can be configured by activating/deactivating or changing the configurable values of alarm notifiers or alarms triggers and store them in the non-volatile memory.

These settings can be set locally via the AyTerminal menu or can be received from the AyServer, synchronized via the AyServer interface.

This document describes the user interface displayed on the AyTerminal OLED display. The described user interface is used to configure the AyCare modes.

Overall the AyCare AyApplication, when an alarm is triggered the status LED is blinking orange/black with frequency of 3 Hz until the mode is deactivated or the alarm duration time has expired. An alarm can be triggered only if a mode is started and active.

For one of the modes an activation period of time can be defined. Time period is on a daily basis, and it's telling when a certain mode will be activated (e.g.: For mode "Tracking mode" the activation time is activated and set to start at 11:30 and end at 22:30).

Also one of the modes can be set to start automatically when AyCare starts.

## 4.1AyCare menu structure



Figure 4-17: AyCare menu structure

## 4.2Modes description

All modes provide a similar menu structure. Navigation through menu structure is described in chapter 2.1.5.1.

#### 4.2.1Voice Call

This mode is used to establish a voice call to one defined phone number by pressing the central button for minimum 2 seconds. In case there is only one phone number specified the VoiceCall will be established automatically. If user specified more then one number, menu with saved numbers will appear. One of the displayed phone numbers can be selected by using the up/down buttons and then pressing the right/OK (accept) button. By default there will be no phone number defined. If not at least one phone number has been defined, on pressing long the central button for establishing a phone call a message will be displayed: "No phone number specified". Calls can only be established after defining the phone number to be dialled. Hanging up the call can be done by pressing long (at least 2s) the central button.

#### 4.2.2Panic Button

This mode can be used to establish a call to one defined phone number by pressing the central button for at least 2 seconds. By default there is no phone number defined, so a call can only be established after the phone number has been defined. Hanging up the call can be done by pressing long (>2s) the central button.

#### 4.2.3Baby Phone

This mode has the following functions:

- The AyTerminal can receive voice calls from a defined list of phone numbers. By default this list is empty. To be able to use this feature (Listen-In) at least one phone number must be defined before starting the mode. After the call is established it is possible to listen in where the AyTerminal was placed (e.g. in the nursery to hear what the child is doing).
- A call from a non-defined number will be rejected.
- The mode triggers an alarm if a defined (or default) noise level has been exceeded.
- If "Baby Phone" mode is active there is no button click activated (only "flash" indication when pressing a button). This is planned so because e.g. baby will not been waken up when pressing deactivation code.

configurable value	description	format & restrictions	default value
Auto start	flag if mode is enabled to automatically start-up	Boolean false – disabled true – enabled	false
Activation time active	flag if mode is enabled to automatically be activated	Boolean false – disabled true – enabled	false
Activation start time	time that activates the mode	Time format is 24h. hh:mm:ss	00:00
Activation end	time that	Time format is	12:00

#### 4.2.4AyCare mode specific settings

	I		1	1
time	deactivates the	24h. hh:mm:ss		
	mode			

## Table 4-4 AyCare- settings available for all modes

|--|

Voice Call	SMS notifier active	flag if SMS notifier enabled	Boolean false – disabled true – enabled	false
	SMS phone number	target phone number for SMS	Max. 15 characters. If not defined SMS is not send out	none
	SMS text	Text to be sent via SMS in case of alarm	Max. 160 characters.	"Voice Call Alarm"
	AyServer active	flag if AyServer notifier enabled	Boolean false – disabled true – enabled	true
	Phone nr. 1	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 2	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 3	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 4	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 5	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 6	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 7	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 8	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 9	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is not started	none
	Phone nr. 10	Phone number that can be dialled	Max. 15 numeric characters. If not defined voice call is	none

Panic Button	SMS notifier active	flag if SMS notifier enabled	Boolean false – disabled true – enabled	false
	SMS phone number	target phone number for SMS	Max. 15 characters. If not defined SMS is not send out	none
	SMS text	Text to be sent via SMS in case of alarm	Max. 160 characters.	"Panic Button Alarm"
	AyServer active	flag if AyServer notifier enabled	Boolean false – disabled true – enabled	true
	Phone number	Phone number that will be dialled	Max. 15 numeric characters. If not defined voice call is not started	none

Baby Phone	Duration	<ul> <li>* duration of alarm/alarm state ( in case of alarm triggered)</li> <li>* time period for activating again the mode if no deactivation code after an alarm was triggered</li> </ul>	Time format is hh:mm:ss. Min. 15s. Max. 30 minutes 0 is a valid value and represents alarm forever.	3 minutes
	Noise	flag if noise sensor is enabled	Boolean false – disabled true – enabled	true
	Noise	noise value that triggers the alarm	0% – 100% in 26 steps	24%
	Sensor activation delay	time until the sensors are armed after activating the mode	Time format is hh:mm:ss. Max. 255s.	30s
	Listen-In	flag if "Listen-In" is enabled	Boolean false – disabled true – enabled	false
	Listen-In nr. 1	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 2	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 3	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 4	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 5	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 6	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 7	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 8	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 9	phone number that will be allowed to call the AyTerminal	Max. 15 characters. If not defined listen- in is not started	none
	Listen-In nr. 10	phone number that	Max. 15 characters.	I none

## Figure 4-18 AyCare mode specific settings

## 4.2.5 AyCare alarms and notifiers

mode	alarm name	description	available notifiers	default notifiers
Voice call	Voice call <sup>1</sup>	triggered if a voice call is triggered	SMS, AyServer	AyServer
Panic Button	Voice call	triggered if a voice call is triggered	SMS, AyServer	AyServer
Baby phone	Noise	triggered if noise sensor activated	SMS, Voice Call, AyServer	AyServer
	Voice call	triggered if a voice call is triggered	SMS, AyServer	AyServer

Figure 4-19 AyCare alarms and notifiers

<sup>&</sup>lt;sup>1</sup> Alarm is triggered after the voice call ends

## 4.3Selecting a mode

When turning on the AyTerminal and starting the AyCare AyApplication, and if no mode is set to auto start, the main menu (see Figure 4-20) will be displayed. If a mode is set to auto start, the defined mode will be started automatically.



Figure 4-20 AyCare main menu

The available AyCare modes are listed in the AyCare main menu together with other available options (Setup, Emergency Call and Turn Off). They are presented as a scrollable list of items (Figure 4-20). The scroll position is updated when another item in the menu is selected. The items of the main menu are:

- Voice Call
- Panic Button
- Baby Phone
- Emergency Call
- Settings
- Turn Off

By default the first menu item is selected. Everywhere in the AyApplication the menu is circular which means that after the last item comes the first item and in front of the first item is the last item.

If Back button is pressed in a menu the previous menu is displayed with the proper selected item.

For example: The current screen is the main menu screen, and the "Voice Call" item is chosen by pressing the right button (OK button). As next screen the "Voice Call" menu screen will be displayed. If in this menu the cancel button is pressed (Back), the previous screen (main menu) will be shown with "Voice Call" selected.

Searching a mode is possible in the main menu by using the up/down navigation buttons until the desired mode is selected. The selection of a menu item is possible by pressing the right button. If the left button is pressed in the main menu nothing will happen. Also, in the main menu the status icons are displayed. No title is available for this screen. In the other menus a suggestive title is displayed instead of the status bar.

The modes can be seen as different applications. Switching between these modes doesn't require restarting the AyTerminal.

**Note!** When the current AyApplication is changed the AyTerminal reboot is necessary.

In the main menu " "Panic Button", "Baby Phone" and "Voice Call" are considered modes. When one of these items is selected the mode menu will be displayed in short time (see Figure 4-21).



Figure 4-21 "Baby Phone" menu in STANDARD and JUMBO modes

For each mode the mode menu contains the following options:

- Start
  - Starts the mode.
- Activation time
  - Enables to set activation start time and activation end time for this mode and to activate it. For details refer to chapter 4.4.1.
- Autostart
  - Configures whether the mode should start automatically on AyCare start-up. For details refer to chapter 4.4.2.
- Notifiers
  - Configure mode's notifiers.
- Triggers / Phone number
  - Enables to configure the alarm triggers of the current mode.
- Duration (only for "Baby Phone" mode)
  - Enables to configure the time period after that the mode again can trigger an alarm after a previous alarm was handled. If the duration is set to 0 then on alarm triggered the AyTerminal remains in alarm state until the mode is deactivated with the deactivation code.
- Overview
  - Presents an overview of the current mode settings.

In the mode menu screen, the mode name is displayed as title. No status icons are displayed in this screen. The scroll bar indicator is always shown.

As long as no mode is started the green LED will blink.

The available buttons and screen's functionality are the same in all menu screens.

## 4.4Configuring a mode

All modes are configurable via AyTerminal. The AyCare AyApplication allows configuring when an alarm should be triggered and which are the notifiers to be informed. In order to be able to start a mode, at least one trigger must be activated. If no alarm trigger is activated, then a message box will be shown with a proper message and the mode will not be started. All notifiers can be deactivated. No warning message is shown in this case.

#### 4.4.1 Activation Time

The purpose of the "Activation time" menu (see Figure 4-22) is:

- Enable/disable the activation time. In case of activating the activation time the mode will be active only for the defined time (e.g. 1 hour, between 12:00:00 and 13:00:00). When the end time is reached the mode becomes idle.
- Defining an activation start time (see Figure 4-23) (e.g. 12:00:00)
- Defining an activation end time (see Figure 4-24) (e.g. 13:00:00) for a mode on a daily basis.

Upon selecting one of the "Start" or "End" menu items, the time can be entered in a time editor.

The time format is 24h (hh:mm:ss).

The colons will be displayed after the second and fifth digits.

Adding a new digit in the input area can be done by navigating through the displayed characters (right side of the screen) by using the up/down navigation buttons until the needed character is selected and then pressing the OK button (right button).

To leave one of the two previous screens and to set the value, OK item must be selected and the OK button (right button) must be pressed.



Figure 4-22 Activation time menu



Figure 4-23 Activation time – Set start time screen



Figure 4-24 Activation time – Set end time screen

The activation time is applied to the mode as long as the "Active" menu item is activated. To disable the activation time, the "Active" checkbox in the "Activation time" menu must be unchecked (see Figure 4-22).

Note! Only one mode can have activation time active.

### 4.4.1.1Examples

1. Start and end time for "Panic Button" mode: 11:00 and 15:00. The "Active" item in the menu is checked (defined activation time is activated). "Baby Phone" mode is configured with inactive activation time; so the mode will become immediately active when starting it. At 9:00 "Baby Phone" mode starts and its status is set to active. At 11:00 "Tracking Mode" mode is becoming active and "Baby Phone" mode is stopped. "Panic Button" mode remains active until 15:00 o'clock, when "Baby Phone" becomes active again and "Tracking Mode" is stopped. If no change is made, the same scenario will be repeated the next day. In the example at 16:00 the mode is deactivated using deactivation code/ sequence.



Figure 4-25 Activation time example 1

2. Start and end time for "Baby Phone" mode: 11:00 and 15:00. The "Active" item in the menu is checked (defined activation time activated). At 9:00 the "Baby Phone" mode is started manually. Because of the activated activation time the status of "Baby phone" is idle. At 11:00 the mode becomes active and the status on the display is updated. The mode becomes idle again when the end time is reached (15:00 o'clock). If no change is made, the same scenario will be repeated the next day. In the example at 16:00 the mode is deactivated using deactivation code/ sequence.



Figure 4-26 Activation time example 2

3. Current time on AyTerminal: 11:30. Start and end time for "Baby Phone" mode: 11:00 and 15:00. The "Active" item in the menu is checked (defined activation time activated). At 11:30 the "Baby Phone" mode is started manually. Because of activated activation the status of "Baby Phone" is idle. At 11:00 next day the mode becomes active and the status on display is updated. The mode becomes again idle when the end time is reached (15:00 o'clock). If no change is made, the same scenario will be repeated the next day. In the example at 17:00 the mode is deactivated via the deactivation code/ sequence.



Figure 4-27 Activation time example 3

#### 4.4.2Auto start

On AyTerminal it is possible to enable (check) or disable (uncheck) the auto start option mode. If this option is enabled for a mode then this mode is automatically started when the AyTerminal is turned on.

**Note!** Only one mode can have this option enabled. The other modes will have the auto start option disabled.

#### 4.4.3Notifiers

Each mode has its own list of notifiers and each one of them can be configured independently.

When an alarm is triggered, activated notifiers are the only ones to be informed. The availability of the notifiers is mode dependent.

The notifiers will be informed in the following sequence:

- 1. The SMS is send to the defined phone number (if notifier activated).
- 2. A Voice Call to the defined phone number is established (if notifier activated).
- 3. The AyServer is informed (if AyTerminal is registered to AyServer and notifier activated).

In the mode menu (see Figure 4-21) the "Notifiers" item is available. After selecting it the "Notifiers" menu screen will be displayed (see Figure 4-28).



Figure 4-28 Notifiers menu for Baby Phone mode

### 4.4.3.1SMS

The SMS data are: the phone number and the message text. The message text can not be defined/ modified by the user on the AyTerminal. A default value for the SMS text of each mode is defined, and can be changed only using the web GUI. The new SMS text is received from the AyServer during synchronization. The default values for SMS text are defined in Figure 4-18 AyCare mode specific settings.

This notifier can be activated or deactivated. The phone number can also be changed.

If the highlighted item is "Active" then pressing the OK button (right button) checks or unchecks the item.

If the highlighted item is "<phone number>" then pressing the OK button (right button) gives the possibility to edit the phone number.

Pressing the Back button (left button) leads to the previous screen (Notifiers menu).



Figure 4-29 SMS setup menu

As mentioned before, for the SMS notifier the phone number can be defined or changed. In this case an input control is displayed like in Figure 4-30. If the phone number is not defined then in the menu will appear "<Enter Nr.>".



Figure 4-30 Set phone number screen

The available characters are: + and 0...9.

By using the up/down navigation buttons it is possible to browse the digits, select them or select OK. For adding a new digit it has to be selected first, and then the Enter navigation button has to be pressed. To delete the last inserted digit use the left navigation button. When no digit is available in the input area, press the Back button (left button) to cancel the editor and to display the previous screen.

To save the set value select the OK option and then press the OK button (right button).

If the phone number is not in international format then a message is shown and the editor is displayed again.

Only one phone number can be defined for SMS notification.

No acknowledgment tone will be played in the above screen.

#### 4.4.3.2Voice Call

This notifier can be activated or deactivated. The phone number to be dialled can be changed. The phone number must be in international format.

If the highlighted item is "Active" then pressing the OK button (right button) checks or unchecks the item.

If the highlighted item is "<phone number>" then pressing the OK button (right button) gives the possibility to edit the phone number.

Pressing the back button (left button) of the device leads to the previous screen (Notifiers menu).



Figure 4-31 Voice Call setup menu

The phone number can be added or modified on a one line editor screen (see Figure 4-32). If the phone number is not defined then in the menu will appear "<Enter Nr.>".

Phone numbe	r	Phone nu
	OK	(
+385316_	+	1205
	0	<u></u>
	1	

Figure 4-32 Set phone number screen

The available characters are: + and 0...9.

By using the up/down navigation buttons you can browse the displayed digits, select them or select OK. To add a new digit select it and press the OK button (right button). To delete the last inserted digit use the Back button (left button). When no digit is available in the input area, press the Back button (left button) to cancel the editor and to display the previous screen.

To save the set value select the OK option and then press the OK button (right button).

If the phone number is not in international format then a message is shown and the editor is displayed again.

Only one phone number can be defined for Voice Call notification.

No acknowledgment tone will be played in the two screens above.

An established Voice Call can be ended by pressing long the central button (at least 2s).

#### 4.4.3.3AyServer

This notifier can be activated or deactivated. If the AyServer option is checked then an alert will be sent to the AyServer when an alarm is triggered. This item is only available if the AyTerminal is registered to the AyServer and the initial SMS was received from the AyServer. When the item is not available the AyServer text appears strikethrough.

Activating or deactivating the AyServer as notifier is done by checking or un-checking the option in the "Notifiers" menu (see Figure 4-28). To check or uncheck the AyServer item, select it and press the OK button (right button).



Figure 4-33 AyServer available case

## 4.4.4Triggers / Phone number

Each mode has its own list of alarm triggers and each one can be configured independently. At least one trigger has to be activated. If no trigger is activated then the mode can't be started. Each trigger can be activated or deactivated or its defined parameter values can be changed. Each trigger has its own list of parameters to be set. At least one alarm trigger has to be activated.

**Note:** If a trigger is the only one for a mode then in the trigger's setup menu the "Active" option is missing and the trigger will be automatically activated.

The modes "Voice Call" and "Panic Button" have no triggers; instead of the "Triggers" menu the "Phone numbers" menu item is displayed.

Only Baby Phone have trrigers:

Possible actions are:

- Navigating through the items using the up/down buttons.
- Selecting the highlighted item using the OK button (right button).
- Going back to the previous screen using the Back button (left button).



Figure 4-34 Setup triggers menu for Baby Phone mode

In case of the "Panic Button" mode one phone number can be defined. In case of the "Voice Call" mode 10 phone numbers can be defined (see Figure 4-35). In the menu the actual set phone number is shown (e.g. +40777773333). If the phone number is not defined then the "<Enter Nr.>" line will be displayed in the menu.





Figure 4-35 Settings menu in Voice Call mode (standard and jumbo mode)

AyCare is using only the noise sensor from the three AyTerminal sensors. For setting the noise threshold value the noise calibration screen is shown. This screen contains the following information:

- Currently measured sensor value
- Current threshold value
- Additional text to describe the shown values (see Figure 4-20)

(see 4.4.4.2)



Figure 4-20 Noise adjustment screens

#### 4.4.4.1Listen-in

Note! Listen-In is a feature not a trigger. It appears in triggers menu because it can be activated/ deactivated and its parameters can be changed.

The menu is provided for setting the Listen-In parameter values:



Figure 4-36 Setup Listen-In trigger

The options in the Listen-in setup menu are: Active with a check-box in front, and Phone numbers. After selecting the Phone numbers menu item a menu with all 10 defined phone numbers is shown.



Figure 4-37 Phone numbers list

One phone number is the currently set phone number (e.g. +407777773333). If the phone number is not defined then the "<Enter Nr.>" line will be displayed in the menu.

The available buttons and screen's functionality are the same as in all menu screens.

For Listen-in a phone number can be added/ modified through a phone editor screen (Figure 4-38).

If Listen-In is active then the phone with the specified number will be able to listen where the AyTerminal is placed after establishing a voice call with the AyTerminal. The voice call in this case does not trigger the AyTerminal to play any ring tone. The connection is made silently and automatically.



Figure 4-38 Set phone number screen (standard and jumbo mode)

The available characters are: + and 0...9.

By using the up/down navigation buttons you can browse the displayed digits, select them or select OK. For adding a new digit it has to be selected and then the OK button (right button) has to be pressed. To delete the last inserted digit press the Back button (left button). When no digit is available in the input area, Back button (left button) can be used to cancel the editor; the previous screen will be displayed.

To save the set value select the OK option and then press the OK button (right button).

If the phone number is not in international format then a message is shown and the editor is displayed again.

No acknowledgment tone will be played in the screens above.

Only the defined phone numbers can listen in where the AyTerminal is placed.

#### 4.4.4.2Noise

The following menu is provided for setting the noise parameters values:



Figure 4-39 Setup ego motion menu screen

Noise threshold can be changed in a noise adjustment screen (see Figure 4-40). Reaching or exceeding this level will trigger the defined alarms.

For sensing the noise the AyTerminal microphone is used.

The alarm threshold can be defined in 100 steps of a range from 0 to 1000  $dB_A$ . On the screen the threshold can be seen in percentages from 0 to 100%. Increasing step is 4%.



Figure 4-40 Noise adjustment screen

Possible actions in this screen are:

- Increasing or decreasing the threshold value by using the up/down buttons.
- Saving the threshold value using the OK button (right button).
- Going back to the previous screen without saving any changes using the Back button (left button).

No validations are made when leaving this screen.

If any problem occurred while saving the noise threshold a message box containing a proper message will be displayed (e.g. "The value could not be saved. Please try again." for English language selected). Otherwise the previous screen is shown without notification.

#### 4.4.4.3Activation delay

Between the moment of activating the mode and activating the noise sensor there can be a delay. This delay is called Activation delay; it is configurable. The Activation delay can take values between 0 s and 255 s. This option is useful when some time is needed to place the AyTerminal in the desired place (e.g. car) after activating the mode.

The activation delay is set using the hh:mm:ss format (255s => "00:04:15").



Figure 4-41 Set activation delay screen

To set the value, enter the time, select OK, and then press the OK button (right button). In this moment the entered value is validated. If is greater than 255s then the device will play a negative acknowledgment tone and a message box will be displayed ("Activation delay must be between 0s and 255. New value denied." for English language selected). Then the previous screen is displayed. If the value is correct, a positive acknowledgment tone is played and the previous screen is shown.

#### 4.4.5Duration

This menu item is used to define the time, for which the mode is set into the alarm state if an alarm is triggered. If duration is set to 0, the Alarm state is active until the deactivation code is entered. For Baby Phone mode 0 is not acceptable for duration because there is no siren as a notifier.

#### 4.4.6**Overview**

This menu item is used to overview the mode settings in a text screen with all set values (see Figure 4-42).



Figure 4-42 Overview screen

The overview screen contains the following data:

- List of active triggers. For each trigger the threshold value is displayed.
- List of active notifiers, separated by commas. If a phone number for SMS or Voice Call is defined the phone number is displayed in brackets.
- Alarm duration (if mode is defined to have it)
- Activation delay (if mode is defined to have it)

Example of displayed data ("Baby Phone" menu with SMS and AyServer as active notifiers and with defined time):

"Notifiers: SMS (+38531234998), AyServer".

The text is wrapped and the screen's content is scrollable using the up/down navigation buttons.

In case of "Voice Call" and "Panic Button" mode, the "Triggers" item is replaced by the "Phone number" menu item. Therefore the Overview screen contains different data:

- The set phone number(s) where the voice call will be made
- List of active notifiers, separated by comma

Using the left button (Back) the previous screen is shown (Mode menu).

If the information is not fitting in one screen (one screen has 20 lines in standard and also jumbo mode) then the text is split in more message boxes. Going from one message box to another is possible by pressing the OK button.

## 4.5Activating/Starting a mode

A configured mode can be started by choosing "Start" in the mode menu. If the Activation time is checked the mode is first going in idle status and will be activated at the user-specified time. Else the mode is activated immediately after the "Start" option is chosen.

After starting a mode or starting the AyTerminal with the PIN of the SIM card disabled and the mode set to auto start, a screen like in Figure 4-43 is shown in following cases:

- if the mode was started without activating the activation time option. In this case the mode is started and also activated.
- if the mode was started and the activation time's active option was checked and the start time was encountered.



Figure 4-43 Active mode status screen for Baby Phone mode

After starting a mode a screen like in Figure 4-44 is shown in following cases:

- if the mode was started and the activation time's active option was checked and the start time is not encountered.
- if the activation time is active but the end time has been reached.



Figure 4-44 Inactive mode status screen for Car Alarm mode

The following data are shown in this screen:

- AyTerminal Status bar
- Mode's name
- Active/Idle status

While a mode is started the green LED will blink.

In these screens only the deactivation code is available.

If an alarm is triggered a message will be displayed informing the user about the triggered alarm (see Figure 4-45). In case that the alarm was triggered because the current value of a sensor exceeded the set threshold the first displayed line contains the mode name and the second line the pair sensor name – sensor value. The sensor name is the name of the sensor for which the value was exceeded and the sensor value is the value of the sensor in the moment when the value was exceeded. With the sensor value the measurement unit is also displayed (% for noise and egomotion sensors and °C for temperature sensor). This is the case of Baby Phone which has as trigger noise sensor. If the alarm was triggered but no sensor was involved then the second displayed line is replaced by the text "Alarm!". This is the case of Leaving Location, Tracking Mode, Voice Call and Panic Button where the alarm is not triggered by a sensor. The screen is updated whenever something changes on AyTerminal (e.g call phone established, call phone ended). After alarm duration the mode returns in Active state which is indicated on display.





Figure 4-45 Mode active and alarm triggered

## 4.6Deactivating a mode or triggered alarm

For stopping the triggered alarm the mode has to be deactivated.

Mode can be deactivated by pressing the deactivation code. After deactivating a started mode the mode menu will be displayed. . If mode is started using "autostart", after entering deactivation code, main menu will be displayed.

For setting the deactivation code see chapter .

## 4.7Emergency call

The "Emergency call" menu item is used to make an emergency call.



Figure 4-46 Main menu – standard and jumbo mode

## 4.8Settings

The "Settings" menu provides the possibility to configure general AyTerminal settings via its submenus.

## 4.8.1 AyServer Sync

This menu item gives the user the possibility to initiate synchronization with AyServer. While the synchronization with AyServer is in progress on display the following screen will be visible:



Figure 4-47 Sync in progress

When the synchronization process is finished a message box is displayed informing about the result of the synchronization. In case the synchronization failed the message box with the proper message is displayed until right or left button is pressed. In case of success the message box with the proper message will be displayed for 5 seconds. After 5 seconds the Settings menu is displayed back.



Figure 4-48 Sync Now – message in case of successfully completed synchronization



Figure 4-49 Sync Now – message in case synchronization fails

### 4.8.2AySnapOn

The "AySnapOn" menu provides the ability to:

- search for new AySnapOns that are connected to the AyTerminal
- view all found AySnapOns

In the list of found AySnapOns it is possible to:

• activate or deactivate each AySnapOn



Figure 4-50 AySnapOn menu – standard and jumbo mode

If more than four AySnapOns are found during the search process a message is shown on the display. Additionally the status LED will blink red and a negative acknowledgment is sounded. The maximum four AySnapOns are allowed be connected to one AyTerminal. The list of connected AySnapOns is not available if more than four AySnapOns are connected.



Figure 4-51 AySnapOn warning message – standard and jumbo mode

An AySnapOn can only be activated if the running application supports this AySnapOn.

It is forbidden to plug or unplug AySnapOn modules to/from AyTerminal while AyTerminal is powered on. It needs to be powered off first.

#### 4.8.3AyTerminal

This menu provides the common settings for all AyApplications.

Using the:

- "Info" option allows the user to see FW and AyTerminal useful information. See 4.8.3.3.
- "Default settings" option allows user to reset all AyApplication configurable values to default.
- "FW Update" option allows user to update the current FW (available only if user registered to AyServer). See 4.8.3.2.

The currently running AyApplication is marked with a checked radio button. Selecting an unmarked AyApplication in the menu initiates the change of the current running AyApplication. The AyTerminal is restarted with the new selected AyApplication. Before restart, a message is shown for five seconds, see Figure 4-54. Changing the ayapplication it can take some time (around 3 minutes)..



Figure 4-52 AyApplication menu – standard mode



Figure 4-54 Rebooting message box in standard and JUMBO mode

4.8.3.1Setting the AyApplication to default settings

Selecting the "Default settings" item it is possible to set all settings of the running AyApplication to theirs default values. A sequence of message screens is shown (see Figure 4-55). The AyTerminal settings like time and date are not influenced by this action.

Setting to default Please wait.	
Walt	



Default settings applied. Rebooting...



Figure 4-55 AyApplication warning message – standard and jumbo mode

#### The settings which are influenced by this reset to default are:

Setting	Default value
Application version	Current AyApplication version
All AySnapOns	deactivated
Time Sync	deactivated
AyServer Periodic Polling	deactivated
AyServer Periodic Polling Interval	60s
Nickname	John Doe
Deactivation code	Up, Right, Down, Left
Audio - mute	Deactivated
Audio – Voice Call volume	Maximum (100)
Audio – Button Click volume	Maximum (100)
Audio – Alarm volume	Maximum (100)
Audio – Ring tone volume	Maximum (100)
Audio – selected ring tone	3d in the list
Audi0 – headset	Deactivated
Selected language	EN
Display – jumbo mode	deactivated

Table 4-5 AyTerminal settings – default values

For AyCare specific settings see chapter 4.2.4.

#### 4.8.3.2Firmware Update

If registered to the AyServer the firmware update can be initiated. The AyTerminal will contact the AyServer and if a newer firmware is found on the AyServer then the AyTerminal informs the user that there is a new version available. The info is more a request for confirmation. To accept or reject the download of the new firmware the right/ left button must be pressed. If the right button is pressed then the new version of the firmware is downloaded on the AyTerminal and a positive acknowledgment. is sounded. During the download a message screen is shown.

Before AyTerminal reboots a notifying message box is shown. If the left button is pressed in confirmation screen then the firmware update is canceled and negative acknowledgment. is sounded.



Figure 4-56 Firmware update menu and messages – standard mode



Figure 4-57 Firmware update menu and messages- jumbo mode

In case of error following message box is shown and after enter/ back button is pressed the Firmware menu is displayed.



Figure 4-58 Error FW download message

## 4.8.3.3Info

In the "Info" menu the user can see all the relevant information of the AyTerminal.

- Bootloader variant and version
- Main FW variant and version
- MSISDN
- IMEI
- SMS Center
- APN
- DNS
- NET username
- NET password
- AyServer URL

This information can not be changed via AyTerminal.



#### Figure 4-59 Info message – standard and jumbo mode

If the information is not fitting in one screen (one screen has 20 lines in standard and also jumbo mode) then the text is split in more message boxes. Going from one message box to another is possible by pressing the OK button.

#### 4.8.4Audio

In "Audio" menu AyTerminal audio settings can be changed.

Checking/ unchecking the "Headset" checkbox item the connected headset is activated or deactivated.

Volume can be setup for:

- alarm siren
- button clicks
- voice calls
- ring tone

or to

• mute all sound feedback

The volume can be defined in five steps where the first step always means mute (0%, 20%, 40%, 60%, 80% and 100%). By default volume settings for call, siren and ring tone are set to 100% and for button to 40%.

If the user activates the "Mute all" item, all sound feedback are muted, but the set values are still stored on the AyTerminal.

For ring tones there is a submenu where the user can additionally choose the ring tone. "Ring tone 3" is set by default.



Figure 4-60 Audio menu – standard mode



Figure 4-61 Audio menu – jumbo mode

#### 4.8.5Clock

This menu gives the possibility to:

- see current time and date
- set the time and date manually
- activate/deactivate automatic time synchronization with the AyServer

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Time can be set manually on the AyTerminal, or – if registered to the AyServer – the time can be automatically synchronized. Time synchronization is performed daily and also every time if something changed on the AyTerminal that needs connection to the AyServer.

If the "Time/Date" item is entered the "Autotime" item is deactivated automatically.

The time input format is "hh:mm:ss" and the date input format is "DD.MM.YYYY" (European format).





Figure 4-63 Clock menu – jumbo mode

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## 4.8.6Display

Change Da



Figure 4-64 Display menu in standard and jumbo mode

The currently selected language can be seen and also changed in this menu. After user select desired language AyTerminal will show message and it will reboot. It is done automatically. The default language is English.



Figure 4-65 Language message box

Using Jumbo mode menu item the user has the possibility to activate or deactivate the jumbo mode of the display

#### 4.8.7Security

4.8.7.1Setting the deactivation code

After the "Deactivation code" setup has been chosen an editor is displayed to enter the new deactivation code. The deactivation code/ code consist of a combination of 4 buttons from the 5 available ones: up, right, down, left, central. After entering the new deactivation code (pressing a code of 4 buttons) a message box is displayed informing about the new set deactivation code. The new code can be accepted or rejected using the right or left button.



Figure 4-67 Confirmation request

If confirmation is rejected then the new deactivation code is not saved.

#### 4.8.7.2PIN control

Using this menu item it is possible to activate or deactivate the SIM PIN request on start up. PIN control is activated by default. For activating or deactivating the SIM PIN request, the PIN has to be entered in the PIN editor screen first (see Figure 3-12).

#### 4.8.7.3Changing the PIN

Using this menu it is possible to change the SIM PIN.

First the old PIN is requested, then the new PIN and re-enter it for security reasons is requested.

According to GSM specifications the PIN can be up to 8 digits long. The PIN must have at least 4 digits.



Figure 4-68 Change PIN screens – standard mode



Figure 4-69 Change PIN screens – jumbo mode

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If user enters wrong pin, user will receive message about wrong pin (Figure 4-70: Incorrect PIN message). After entering wrong PIN three times user will receive message shown in Figure 4-71: Message after entering wrong PIN three times.



Figure 4-71: Message after entering wrong PIN three times

## 4.9Turning off the AyTerminal

For turning off the AyTerminal, if there is a mode started then this mode has to be deactivated. After deactivating the mode by entering the deactivation code, the last shown menu will be displayed. For turning off the device go back to the main menu and select the "Turn Off" item. Message box will appear asking to confirm turning off, see . After pressing accept button new message will be shown, informing about saving Ay settings, see .

# Do NOT connect charger while TURNING OFF the AyTerminal because the data that is being saved might be corrupted!



Figure 4-72 Confirmation for turning off AyTerminal



Figure 4-73 Saving AyTerminal settings

After saving the settings, Ay is sending SHUTDOWN notification to AyServer, but only if Ay is registered to AyServer. A message is shown on display informing about Ay intention (see Figure 4-74 Sending SHUTDOWN notification to AyServer).



Figure 4-74 Sending SHUTDOWN notification to AyServer

## 4.10Involved sensors in AyCare's modes

Mode	Involved sensors	Involved AySnapOns
Voice call	-	-
Panics button	-	-
Baby phone	noise	-

Table 4-6 Involved sensors in AyCare's modes

## 4.11Symbols on the AyTerminal

SYMBOL	Description
•	Hold-switch ON
C	Phone call in progress (Dialing/ Incoming call/ Connection established).
ж	Mute ALL On
	Signal strength (full, maximum)
	Battery statuses (empty, 20%, 40%, 60%, 80%, full)
	Battery charging
•	Charger conected – Batteryy full
RE	GPRS ON (Connection established with AyServer)
	Signal strength – possible values (no signal, very very low, very low, medium, normal, maximum)

Table 4-7 Symbols of AyTerminal

## **5Quick reference**

## 5.1Device description

The detailed device description you find in chapter 2.1.

The major parts are:

- Display (OLED display): Used for information screens and for input screens. There are 2 display modes: standard mode and jumbo mode (big-sized characters) See chapter 2.1.10.
- Navigation buttons:
  - 4 touch sensor buttons around the display:
  - arrow up: up button
  - arrow down: down button
  - right button: Enter button
  - left button: Cancel button The display also represents a button (center button) See chapter 2.1.5.
- Status LED: provides feedback about the current AyTerminal status See chapter 2.1.2.

## 5.2Getting started

- Insert SIM card and battery See chapter 3.
- Turn on the device: press the central button for 2 seconds. The loading screen will be displayed. See chapter 3.2.1.
- Enter the PIN of the SIM card. Select the OK option and press the Enter button (right button). See chapter 3.2.3.
- Select the AyCare application and press the Enter button.
- Optional: Define the deactivation code (sequence of 4 buttons, default: up button, right button, down button, left button) Definition via Settings > AyTerminal > AyApplication > Deactivation code See chapter.
- Select the AyCare mode you want to start and press the Enter button. If a mode is set to auto start, this mode will be started automatically. See chapters 4.2 and 4.3.

## 5.3Configuring the AyCare modes

The detailed device description you find in chapter 4.4.

- Voice Call: Activation Time (see chapter 4.4.1) Autostart (see chapter 4.4.2) Notifiers (see chapter 4.4.3) Phone numbers (see chapter 4.4.4)
- Panics button: Activation Time (see chapter 4.4.1)

Autostart (see chapter 4.4.2) Notifiers (see chapter 4.4.3) Phone number (see chapter 4.4.4)

- Babyphone: Activation Time (see chapter 4.4.1) Autostart (see chapter 4.4.2) Notifiers (see chapter 4.4.3) Triggers (see chapter 4.4.4) Duration (see chapter 4.4.5)
- Emergency Call (see chapter 4.7) If this mode is activated, pressing the Enter button initiates an emergency call to the 112 emergency number. This mode is also available, if no SIM card is inserted.
- Settings (see chapter 4.8)

For all the modes also an overview of the current settings is available (see chapter 4.4.6).

## 5.4Activating a mode

• To start the configured mode, select the Start option in the mode menu. See chapter 4.5.

## 5.5Deactivating a mode or a triggered alarm

• Press the buttons that form the deactivation code. See chapter 4.6.

#### 5.5.1Turning off the AyTerminal

- If a mode is activated, deactivate this mode (enter the deactivation code).
- In the AyCare menu, select the Turn off option and press the Enter button.

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