DA1450 DECT Telecare



DECT cordless phone for blind persons

Home Emergency Call Fall Detection Alarm

Comfort telephony with hands-free Seniors' phone with easy operation Blind's phone with voice assistant

Clock function, time announcement

Smoke Alarm detectors

Memories, Memos

DATA SHEET

Technical Specification

updated data sheet can be found on the product website Design subject to change

TECHNICAL SPECIFICATION DA1450 DECT Telecare

70*42*14 [mm]

+5° to 45° Celsius

-15° to 55° Celsius non-condensing

splash-proof IP6x

up to 2m drop height

High gloss plastic white Sealing rubber in grey

waterproof incorporated

shine-through LED

textile 80cm / length customizable

centrally with LED and vibration

45g

		ΑΤΑ
	NFRA	
ULI		

Dimensions (L*W*T) Weight Operating temperature Storage temperature

Protection class mechanical load enclosure

Necklace

Call button Side keys LED Indicators

brightness adjustable **Ring LED** operating indicators Status LED status indicator Loudspeaker miniature with high sound level Microphone all-around characteristics USB (Configuration) Micro USB Li-Ion-Polymer 450mAh Battery Standby > 2 days ca 45 min Max call time per day contactless loading Qi Standard

Radio

DECT ETSI Standard CI	ETS 300 175
DECT ETSI Standard GAP	EN 300 444
DECT GAP EU, US	Auto Detect
Operation in Europe, USA	Auto Mode
Range	type 50m inside building
	type 300m outdoors
DECT Chipset	DCX79 (DSPG)
DECT Handset Stack (PP)	DOSCH&AMAND
Hands-free phone	with high audio quality
Compatibility of	all DECT GAP base stations
Registration Plug &	Play via "easy subscription"
PIN base individually	up to 8 digits via PC APP

FALL DETECTION

Configuration	none	
Calibration	automatically	
Immediately rea	dy for operation	
Characteristicextration DPD		
DPDM Algorithm "Dosch Probab	ility Density Model"	
Sturzanalyse	within 1.25 seconds	
Crash message de	layed to 5 seconds	
automatic help and emer	gency call sequence	
Call for help 3 help numbers + 1	emergency number	
iVA integr	rated voice assistant	
Announcement Message, Perso	on, Address, Access	
Product on floor	adjustable ON/OFF	
False alarm rate (all use cases) type <2%		
with negative conf	irmation 0%	
False alarm "Product on floor"	type <0.5%	
Fall Detection (all use cases)	type >85%	
slight falls	type >75%	
heavy falls	type >95%	
3D/6D Accelerometer	LIS3DH	
Power Consumption - idle state -	2μΑ	





Fall detection via DPDM method False alarm rate type <2% Fall detection type >85%

A1450 DECT Telecare

TECHNICAL SPECIFICAT	FION D
HOUSE EMERGENCY CALL	
manual help call	key press > 2sec
2 times press leads to help call	immediately
Cancellation p	ress button again
Help numbers (with iCM) Name and phone number Friends, Family, Neighbors Repetitions Announcement of the selected conta Dialling process Detecting invalid call attempts	secured by iCM iCM
iCM intellig	gent Call Manager
Emergency number (without iCM) Used for professional help, service ca	1 all center 24/7
automatic call for help fall	and smoke alarm
Help numbers	3
Name and phone number Contacts with emergency aid (neight Repetitions Announcement of the selected conta Dialling process Detecting invalid call attempts	at the factory 0
Emergency number (without iCM) professional help or call center	1
Telephony	
Phone book, number of entries	100
Phone number with name	PC APP
Conversion name to audio signal T2A	T2A encoder Text-to-Audio
Announcement Name	with iVA
incoming call with announcement ^{*1)} Auto acceptance ^{*1)} adjus	"Susan calls" table per number
^{*1)} only for base station with CLIP fur	nction
Activate phone book Turn off your phone book	via side key automatically
TELEPHONE BOOK (Register)	
Number of telephone registers	10
Number of contacts per register	10
Title of telephone registers	freely definable
Enter personal titles	PC APP

Example-free definable titles Telephone register 1 "Favorites" Phone Register 2 "Friends" Telephone register 3 "Family" Telephone register 4 "Medicals" Telephone register 5 "Transport" **Telephone register Selection** via title (read out) Missed calls 10, self-organizing Caller list 10, self-organizing

Announcement via iVA

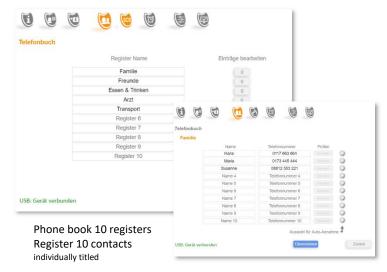
Title Telephone Register



manual and automatic (fall, smoke alarm) 3 Cries for help (friends, family, neighbors) 1 emergency call (professional help, call center

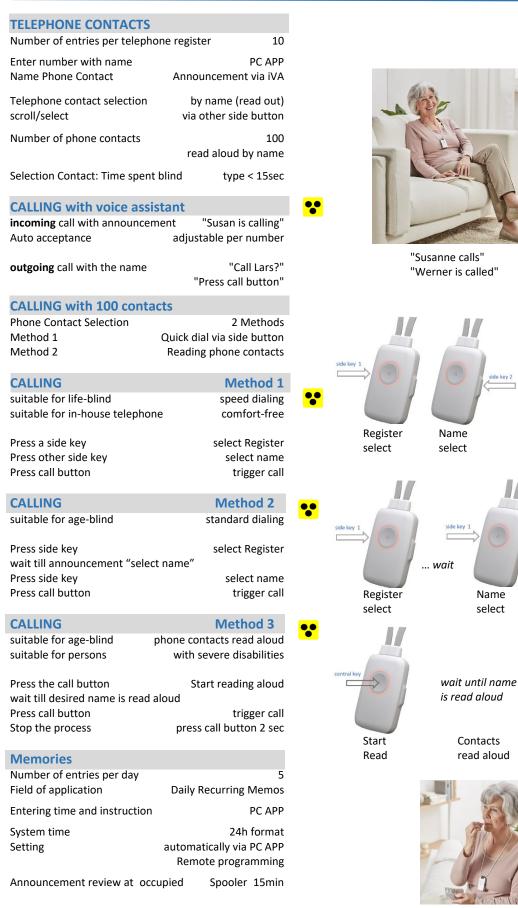


Activate phone book with a side key automatic deactivation in case of missing follow-up action



TECHNICAL SPECIFICATION

DA1450 DECT Telecare



up to 5 reminders per day "10 o'clock" "Please take medication"

Name

select

Call

Call

Call

trigger

trigger

TECHNICAL SPECIFICATION DA1450 DECT Telecare

SMOKE ALARM DETECT	ION	
Configuration	none	
Immediate	ly ready for operation	
compatible with	<u>all</u> smoke/heat detectors	
Activation	on charger	
Audio Analysis	SWEEP Comb Filter	
, Detection rate	type >99%	
False alarm	type <0.1%	
Alarm progression	situational	
automatic helper		
Help numbers	3	
Name and phone number		
Contacts with emergency a	id (neighbour, caretaker)	
Repetitions	at the factory 0	
Announcement: Smoke alarn	n, address, access iVA	
Election process	secured by iCM	
Detecting invalid call attempts iCM		
Emergency number (without iCM) 1 professional help or call center		
Remote programming		
Setting parameters	of external call	
Parameter input	keyboard phone	
	Procedure DTMF	
Set time	Header = TIME	
Waiting time Read aloud	Set Header = READ	
Format	#HEADER value	
Time Value	#ZEIT	
	hh= 00 24	
	mm= 00 59	
Waiting time Value #READ	х	
-	fast = 1 second => X = 1	
	slow = 2 seconds=> X = 2	

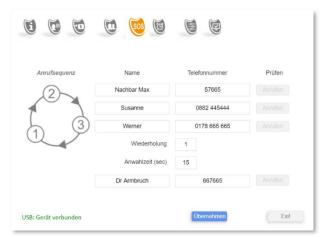
iCM intelligent CALL MANAGER		
Call analyzer	for all help numbers	
Targets	Detecting Invalid Connections	
	Perform automatic call sequences safely	

	safe exit call by occupied tone
invalid connection	S
Mobile phone	out of reach
	not switched on
	answering machine
all phones	answering machine without ringtone
	Call call with call duration <2 seconds
Dialing time	longer than set call duration

Recognition of occupied tone



The alarm of Smoke. , Heat, Carbon Monoxide Detector is automatically reported via help call list



securing call sequence in case of fall and smoke alarm identifying invalid connections

TECHNICAL SPECIFICATION DA1450 DECT Telecare

PC APP

compatible with

WIN PC 64 bit system

automatically

Download via Internet www.pcapp.net Barrier-free operation (blind persons) NVDA, JAWS

Voice selection PC APP and Device via download PC APP

System aids

System time Version Upgrade Registration base station

Unsubscribe Reset (RESET 1) Reset (RESET 2)

device software PIN up to 8 digits **Base Station** factory setting ex works setup

Software Release

automatically over PC time

personal settings

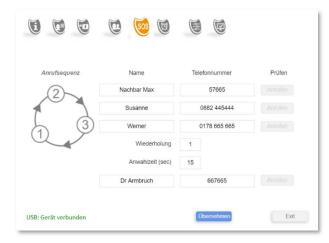
personal data	Name, place of residence, access
Phone book	10 numbers with names
Call for help	Call Sequence + Repetition
Reminders	Time + Statement
Enter the time annou	ncement time

Audio Settings

ready to use
see www.pcapp.net
in 5 steps
medium
5 polyphonic melodie
Old Style
volume in 5 steps
medium
volume in 5 steps
medium



local PC APP via USB to WIN PC



Configuration sheet: Call for help

rinnerung			
	Zeit	Hinweise	Ein
	10:00	Guten Morgen	۲
	12:00	Hinweis 2	۲
	18:00	bitte Tabletten nehmen	۲
	20:00	Hinweis 4	۲
	00:00	Hinweis 5	0
System Zeit	14:21	Auto	

Configuration Sheet: Reminders

TECHNICAL SPECIFICATION DA1450 DECT Telecare

iVA integrated SPRACHASSISTENT			
Available languages	see www.pcapp.	net	
Use in the product, a	imong others		
Sign up base station	positive messa	age	
Neg	ative message with indication ca	use	
personal data	name, address, acc	ess	
	Announcement for automatic c	alls	
Phone book	announcement name of the ca	ller	
	Selection Contact with nam	nen	
	ouncement of selected contacts a	nd	
status			
Situation message	to called cont		
	for automatic calls for h	•	
Reminder A	nnouncement Time and Instruct	ion	
	fixed time announceme		
Time of spontane	ous time announcement on requ	est	
Error messages	for all operating sta		
0	attery charge status and radio rar	0	
situational recommendations fall events			

Battery Data

Dattery Data			
Technology		Lithium Ion	
physical capacity		450mAh	
charging capacity (reduced)		375mAh	
Standby Device		> 2 days	
Call 10 min sta		andby reduction by 5%	
continous call		max 3,5h	
max telephony for	standby 1 day	45 min	
reduction of capacity due to charging cycles typically: 1 charging per day			
500 cycles resulting st	(ca 1,5 years) tandby	capacity -10% ca. 45h	
700 cycles resulting st	(ca 2 years) tandby	capacity -20% ca. 40h	
850 cycles resulting st	(ca 2,5 years) tandby	capacity -30% ca. 35h	
Warranty on Battery		6 months	

PRODUCT LABELLING

Product class	DECT home emergency call
	with fall detector
Туре	DA1450
Name	DECT Telecare
Ident number	1450.1000.00
Serial number	IPEI
CE about Notified Body	NB 700
DECT Module	DA1253-type DOSCH&AMAND
WEEE (disposal/recycling	g) DE 23 684 005
Taric Code (Customs Cod	le Product) 85171200

Commissioning

Remote configuration

Prerequisite	operational DECT base station	
Plug & Play	up and running in 2 steps	
1. Press the anmungba	se call button	
2. Control call	ringing, call acceptance	
automatic takeover	1st call	
in phone book	instead of No 10	
for all emergency number	manual, fall, smoke	
personal configuration via	PC APP	
Prerequisite	WIN 64 bit	

DELIVERABLES

Basic unit		DA1450
Charging Battery		Qi Charging Disc
Connection to charging disk and PC		USB cable
Power supply charging	g disk	USB plug-
PC APP	Download Inte	rnet on WIN 64bit
Application	sho	ulder strap textile
Commissioning		Quick Start Guide



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Subject to change at any time