

## DA1422 *vocalFon*

# DECT Pendant for visual impaired and blind persons



Native Voice Assistant  
10 personal telephone books

DECT Pendant  
**100 Contacts**

Comfort Handsfree  
supported by Voice Assistant

**Time Announcement via central button**  
Memos, Wake-Up, Clock function

Smoke Alarm Detection  
for home-based DECT System

## DATA SHEET Technical Specification

please browse website for updated Data Sheet

**GENERAL DATA**

size (L*W*D)	70*42*14 [mm]
weight	45g
operational temperature	+5° till 45° Celsius
storage temperature	-15° till 55° Celsius
protection	non-condensing splash protected IP64
mechanical stress	till 2m fall height
housing	high gloss plastic white rubber seal in 5 colors
necklace	80cm / length adjustable breaking point at 4kg tension load

Call Button	central with LED and Vibration
Side Keys	waterproof
LED	Ring LED for operational states point LED for states BATT and DECT
Loud Speaker	high sound level
Microphone	all around characteristic
USB (for configuration)	Micro USB
Battery	Li-Ion-Polymer 450mAh
Standby	typ 72h
Standard Operation	typ 48h
contactless Charging	Qi Standard



Control Elements



Charging Disk according Qi Standard  
contactless charging

**RADIO SYSTEM**

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	typ 50m within building typ 300m outdoor
DECT chipset	DCX79 (DSPG)
DECT Handset Stack (PP)	DOSCH&AMAND
Hands-Free Telephone	premium Audio quality
Compatibility	all DECT GAP Base Stations
Subscription	Plug & Play via "easy subscription"
PIN Basis individual	up to 8 numbers via PC APP



„easy subscription“ via Call Button  
Registration to home-based DECT station  
eg Fritzbox, Speedport, Gigaset, Panasonic, Philips

**PHONE BOOKS (Register)**

Number of Registers with 10 contacts each 10  
 title of Register individual  
 total numbers of contacts 10\*10 = 100  
 define individual title PC APP  
 select Register via Title announcement IVA

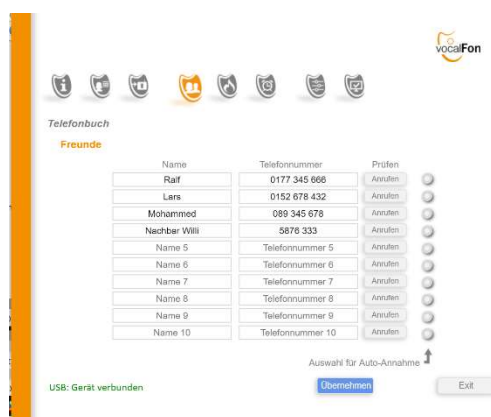
**example individual titles**  
 Register 1 „Medicals“  
 Register 2 „Friends“  
 Register 3 „Eat & Drink“  
 Register 4 Family“  
 Register 5 „Transportation“  
 .....  
 select Register via Title announcement IVA  
 scroll/select via Side Key



Phone Book with 10 Registers  
 Individual titles (for Voice Assistant)

**TELEPHONE CONTACTS**

Number of Contacts per Register 10  
 Enter TelNo + Name PC APP  
 Name of Contact announcement IVA  
 Select Kontakt via Name  
 scroll/select via Side Key  
 volume of Telephone Book 100  
 Select Contact 1/100 typ 10sec



Phone Book Register with 10 Contacts  
 TelNo + Name (for Voice Assistant)  
 example : Register **Freunde**

**Telephone with 100 Contacts**

**incoming** Call with announcement „Susan is calling“  
 Auto-Hook-Off individual per contact  
**outgoing** Call selected via Name „Calling Lars?“  
 „Press Call Button“  
 1. Select Phone Book (Register) Side Key  
 2. Select Person (Name) other Side Key  
 Select Contact 1/100 typ 10sec



Phone Contacts by Names  
 100 Names in 10 Registers

**Time Announcement (Call Button)**

Time Announcement in native language  
 „it is 9: 45“  
 trigger announcement via Central Button  
 Time 24h format  
 Setup DA1422 Clock via PC APP  
 or  
 remote via incoming + DTMF code  
 DMTF code (hier: english) #TIME#mmhh#  
 example 7h40 mmhh = 0740  
 enter Code via phone keys #TIME#0740#



Time Announcement with central button

**SMOKE ALARM DETECTION**

Configuration	none
Ready-for-Operation	instantly
compatible with	all Smoke-/Heat Detectors
Activation	automatic on Charging Disk
Audio Analysis	SWEEP Comb Filter
Detection Rate	typ >99%
False Alarm	typ <0,1%
Alarm Progression	situative
automatic Help Call Sequence	3 help + 1 emergency
iVA informs about smoke event, person, address, access	
iVA	integrated Voice Assistant
HELP call numbers (with iCM)	3
immediate help (neighbour, house keeper)	
Repetitions	ex works setup 0
Announcement of called Name	iVA
Dialling Process	secured via iCM
Detection of invalid calls	iCM
EMERGENCY Call nummer (w/o iCM)	1
professional help, Service Call Center	



reliable Smoke Alarm Detection  
SWEEP Comb Filter Analyzer  
Detection Rate typ >99%  
False Alarm typ <0,1%

**PC APP**

compatible with	WIN7/WIN10
included in scope of delivery	USB stick
Configuration and Data Storage	locally on USB stick
Easy Handling	no skills necessary
language PC APP	automatic
available languages (rev June 2019)	7
	German * Turkish English * French * Dutch * Spanish * Italian



local PC APP via USB to WIN PC

**System Aids**

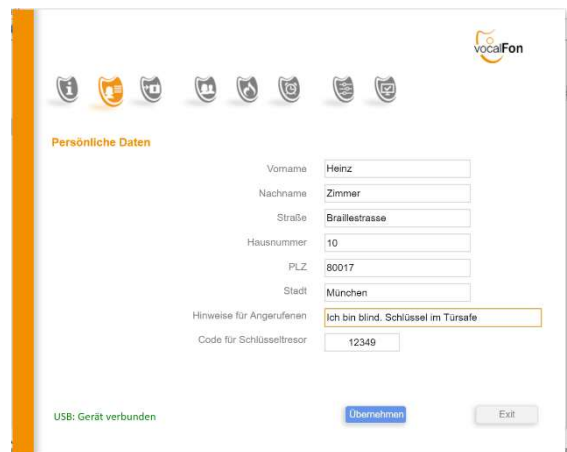
System Time	automatic via PC time
Version	Software Release
registered Base Station	RFPI Number
Upgrade	new device Firmware
Subscription to Base Station	PIN up to 8 numbers
De-Register	from Base Station
RESET	to ex works Setup
RESET	all / completely

**Personal Settings**

Personal Data	Name, Address, Access
Telephone Book	10 Numbers with Names
Silent Help Call	Call Sequence , indefinite Reps
Smoke Alarm Detection	Call Sequence + Repetition

**Audio Settings**

iVA Voice Assistant	instantly operational
available languages (rev June 2019)	7
	German * Turkish English * French * Dutch * Spanish * Italian more languages on request
Ringling	5 polyphonic melodies, ex works: Old Style
	loudness in 5 steps, ex works: medium
Telephony	loudness in 5 steps, ex works: medium



Enter personal Data for Voice Assistant  
Application Smoke Alarm:  
Voice Assistant informs Emergency Contact about  
Name, Location, Access to apartment , Situation

**ICM intelligent CALL MANAGER**

Call Monitor & Analyzer all Call Sequences  
 Targets Detection of invalid Calls  
 secure execution of Call Sequences  
 Detection of Busy Tone  
 automatic Release of Calls after Busy Tone

Invalid Calls release 06.2019  
 to Mobile Phones out-of-range  
 switched off  
 Answering Machine  
 to any phone Answering Machine w/o dial tone  
 Call with call duration <2 sec  
 Duration of dialling beyond configured Ringing  
 Time

**IVA integrated VOICE ASSISTANT**

available languages (rev June 2019) 7  
 German \* Turkish  
 English \* French \* Dutch \* Spanish \* Italian

more languages on request  
 or download via Support Website

Application Areas  
 personal data Name, Address, Access  
 announcement in automatic calls

Telephone Book Names instead of Numbers

Error Messages for all operations

Warnings Battery and DECT range

**SET-into-OPERATION**

precondition fixed line access with DECT Base Station

Plug & Play in 2 steps operational  
 1. subscribe to Base Station press Call Button  
 2. external Call to check OK Ringing, Hook Switch

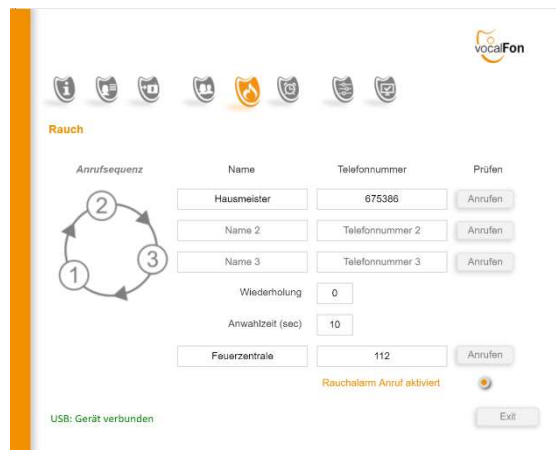
automatic apply/use 1. call  
 for telephone book Tel No 10  
 for all Emergency Calls Silent Alarm, Smoke Alarm

individual configuration via PC APP  
 precondition PC with WIN7/WIN10

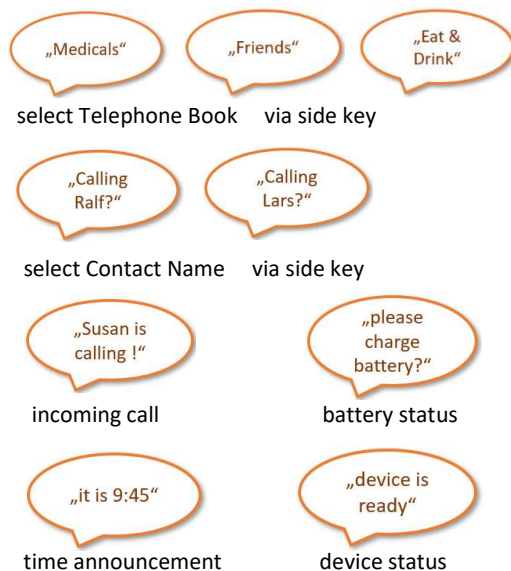
remote configuration on request  
 release 06.2019 not included

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Securing Call Sequence by DA1422 Call Manager identifying invalid connections (e.g. IVR, TAM)



**PRODUCT DESCRIPTION**

Produktklasse DECT Pendant  
 For visually impaired and blind persons

Type DA1422

description DECT vocalFON

color white, high glossy

**SCOPE of DELIVERABLES**

Amulette Telephone DECT vocalFON  
 Charging battery Qi charging Disk  
 connection Qi Disk and PC USB cable  
 Power Supply Qi Disk USB Power Supply  
 PC APP and Data storage USB stick  
 Application necklace  
 Set-into-Operation Get-Started leaflet

not included  
 DECT Base Station no configuration necessary  
 Home-based DECT System  
 according DECT GAP Standard  
 e.g. Fritzbox, Speedport, Gigaset, Panasonic, Philips, ....