



Data Sheet

DA1432 DECT Pendant
according to ETSI Standard
GAP

OEM Product

January 2016

DA1432 DECT Pendant



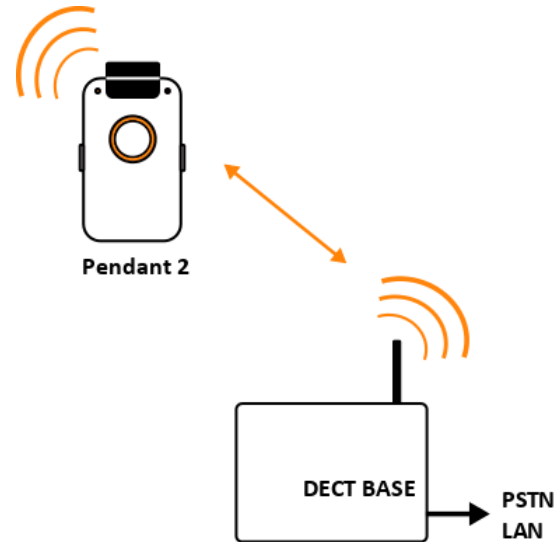
D&A's new DECT Pendant generation: DA1432

DA1432 DECT Pendant is a simplified handset without display and keyboard with central **Alarm Button** to initiate (alarm) calls, Side Keys for several adjustments, hands-free loudspeaker and a highly sensitive microphone.

Voice announcements act as a voice assistant in different situations and the signaling of the multi-color LED ring provides the user a comfortable handling of the pendant.

The DA1432 can be used as a **DECT handset** for incoming calls and outgoing calls. In case urgent help is needed, the user can press the central alarm button anywhere in the home and either a DECT alarm message is sent out immediately via the subscribed DECT base station to a Home Care Center or a normal DECT voice call is established to relatives, friends and neighbors depending on the emergency phone numbers configured via the **HTA/HTML configuration software**.

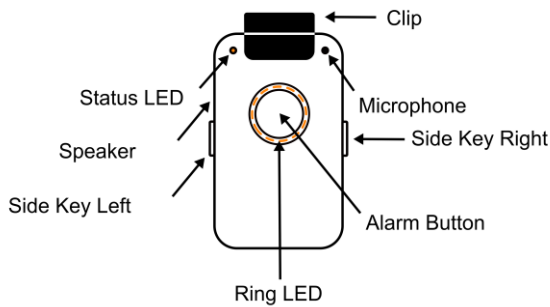
The use for elderly people and in Care Homes and Hospitals is acknowledged by the pendant's **IP65** water protection which allows operation of the pendant even after water jets of low pressure.



Typical setup of DA1432 at normal DECT base station

DA1432 key features:

- Customizable OEM DECT pendant
- Compliant to DECT GAP standard
- DECT EU (other regions optional)
- Full-duplex hands-free communication
- up to 3 number alarm cycle
- Alerts via audio, LED and vibration
- Audio MMI: integrated Voice Assistance
- Vibrator indicates alarms and incoming calls
- LED ring signals alarm and alarm status
- 3-color LED indicates summary status (Battery, DECT link)
- Status LED supported via Voice Announcements
- Central alarm button with LED ring
- Versatile use modes: pocket, necklace, belt
- Belt clip alarm
- Local (PC App via USB) or remote configuration
- HTA Configuration Software
- Customer Self-Configuration
- Wireless Qi and USB charging
- IP65 protected
- Polyphonic Ringing



User Interface DA1432

DA1432 user interface was designed in accordance with simplification a complex functionality as far as possible.

Alarm and incoming calls are initiated or taken by the **Alarm Button**. The **2 Side Keys** are for controlling and adjusting purposes like volume tuning or switching power.

Call operations and basic status of the device are indicated by 2 different LED parts (**Ring LED, Status LED**), in plain colors (**green, yellow, red**).

To keep the amount of LED scenes small, much of the guidance and user information is given by Voice Announcements.

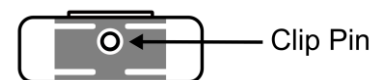
Condition	MMI
Alarm call operations	<ul style="list-style-type: none"> • Ring LED: long red flashing 4 times in 1sec • announcements and vibrator confirmations
Incoming call operations	<ul style="list-style-type: none"> • Ring LED: long green flashing 1 time in 2sec • announcements and vibrator confirmations

The new DA1432 comes with a belt clip that triggers the alarm cycle when it gets pulled off the pendant. That provides quick and, if needed, hidden alarm possibilities even for certain professionals e.g. security service providers or any other staff that operates under critical conditions. Silent alarm call and listening functionality is prepared and will be available in further models.

Condition	MMI
DECT signal <i>and</i> Battery very good	<ul style="list-style-type: none"> • Status LED: short green flash 1 time in 8sec
DECT signal <i>and</i> Battery at least sufficient	<ul style="list-style-type: none"> • Status LED: short yellow flash 1 time in 4sec
DECT signal <i>or</i> Battery poor	<ul style="list-style-type: none"> • Status LED: short red flash 1 time in 1sec • announcement: (one time) "The battery is very low, please recharge the pendant." or "You are leaving the radio cell, please move towards the base station to stay connected."

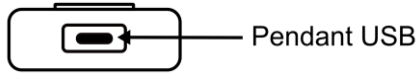


DA1432 belt clip



Pin for triggering alarm call by Belt Clip pulling

The easy accessible USB connector allows simple configuration, update and battery charging without charger cradle at any time.



USB connector for configuration, updating and charging

Technical Data

DECT EU (standard)
 DECT US, LATAM, Brazil (optional)
 DECT EN 301 406
 DECT GAP EN 300 444 (standard)

Indoor range up to 50m
 Outdoor range up to 300m

PBX and Multi Cell Operation (forthcoming vers.)
 (with cell handover ability)

DECT Chipset DCX79, ARM 9
 Radio freq. range: 1880 MHz to 1900 MHz
 Transmission power: Average 10mW
 RX sensitivity: typ. -91dBm
 TX NTP (EU): typ. 22dBm

Microphone: high sensitive electret (standard)
 Loudspeaker: (standard)
 high performance dynamic
 miniature speaker
 Speech coding: 32kbit/s ADPCM
 Hands-free, full duplex calling (standard)

Buttons/Keys: (standard)
 Alarm button
 (alarm call triggering),
 2 Side keys (controlling)

LED display: (standard)
 LED ring (call operations,
 programming),
 Status LED (DECT, Battery)

Vibrator (standard)
 (signaling calls, alerts
 and confirmations)

Ringling: (standard)
 polyphonic,
 selectable melodies

Voice Announcement: (standard)
 assisting user and callee
 guidance,
 status information:
 automatic and callable,
 e.g. out-of-range, battery status

Fall Detection (forthcoming)
 (triggering alarm call)

Micro USB (standard)
 (configuration & setup,
 SW upgrade, charging)

Necklace: (standard)
 length: 80cm,
 replaceable clip (for
 belt clip alarm operation)

Belt clip: (standard)
 (triggers alarm call
 by pulling off the pendant)

Configuration and programming: (standard)
 USB/PC HTA
 DTMF

Charging: (standard)
 wireless Qi system,
 USB

Power supply: (standard)
 100-240V AC, 50/60Hz,
 Power Plug: Euro type, USB
 USB Cable: 1,3m

Battery 420mAh Li-Ion polymer (standard)

ABS plastics
 Antiseptic coating (optional)
 Cabinet color: white (standard)
 Dimensions 70*42*14mm (LxWxH)
 Weight 50g

Operating conditions: 0°C to +45°C
 Protection class IP65 (standard)

ITE - Safety: EN 60950-1
 EMC: EN 301 489-6
 CE Conformity: EU directives 2014/53/EU (RED)

vers.: product version

Customizable OEM and Product Setup

Beside the *standard* Product setup, DOSCH&AMAND gives you the opportunity to individualize your product.

In the following table you can find the subjects which are currently available on OEM:

Category	Subject
Cabinet	
	rubber, clip and necklace color
	logo print
	label
Voice announcements	
	text, language, customer audio files
Ringing tones	
	customer audio files
HTA	
	customizable branding
Packaging	
	generic design

Note:
Our customizable OEM Options get constantly updated and adapted along to the requirements of our customers. Please contact sales@da-products.de to get the latest DA1270 OEM Options List.

Some OEM Options may require substantial additional NRE effort of the D&A RESEARCH GmbH or associated companies. Please contact sales@da-products.de to get more information about this matter.

Product and Contact Information

Product, deliverables:

Description	DECT Pendant
Type	DA1432
Identnumber	1432.1000.01

Pendant DA1432	(standard)
Necklace	(standard)
Belt clip	(standard)
USB cable	(standard)
USB power supply	(standard)
Qi charging cradle	(standard)
HTA Configuration Software	(standard)
Gift box	(standard)

DOSCH&AMAND always expands its OEM product lines and it is open for ideas and wishes of its customers.

For the realization of your individual product from the idea via concepts to production of a highly sellable outcome, DOSCH&AMAND established with the D&A RESEARCH and D&A PRODUCTS a comprehensive realization possibility.

Additionally under NRE services, the D&A RESEARCH provides you completely newly designed developments, helps you with your own designs and holds one of the broadest product portfolio of DECT Test and Measurement tools available on the market.

For further information, individual offers and orders, please contact:

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or attend the D&A website to get the latest information about the DOSCH&AMAND GROUP and all its products and services.

www.dosch-amand.com

There are even other useful devices like the **DA1280 - DECT Cordless Plug** that provide reliable solutions and complete local DECT systems.