

Ascom d62 DECT Handset, Protector

Features

Alarm

- Push button alarm, with ability to send different alarm types
- Acoustic Location Signal (ALS)
- Automatic call after alarm

Location

- DECT location¹
- Poll location
- Base station location

Messaging

- Priority handling of calls and messages
- Advanced messaging queueing
- Multicast/Broadcast messaging
- Interactive messaging
- Color messaging
- 180 degrees rotation of message/call information

General

- Easy registration
- GAP/GAP compliant DECT handset
- Dynamic output power
- Color display
- Cleanable, IP 44
- Upgradeable by licenses

- Bluetooth barcode reader support¹
- Application controlled telephony Automation calls
- Automatic group calls
- Push to talk (PTT)
- Shared phone¹
- Customizable sounds
- Aggressive ring signals
- Vibrator
- Advanced user profiles
- System profiles
- Procedure call
- Bluetooth as option
- Programmable handset restrictions



1. This is a license dependent feature.

Technical Specifications

Physical

Dimensions (l × w × d):	134 × 53 × 26 mm
Weight:	130 g (battery and clip included)
Material:	Case: PC/ABS, Key pad: PC, Clip: PPA
Color:	Steel gray
Display (w × h):	28 x 35 mm, CSTN display
Clip:	Hinge-type (standard) or swivel-type

Battery

Type:	Li-polymer
Speech time:	20 h
Stand-by time:	240 h without activated screensaver
Speech time with Bluetooth option:	13 h with Bluetooth headset in use 20 h without Bluetooth headset in use
Stand-by time with Bluetooth option:	120 h without activated screensaver
Charge time:	< 4 hours
Discharge/charge cycles:	>=80% capacity left after 400 full charge/discharge cycles.
Storage temperature: ¹	0°C to +20°C. Cool and dry place. Charged to 40% (3.7V). Even when stored under optimal conditions the battery capacity will decrease over time.

1) Note that storing Li-polymer batteries at high temperature dramatically reduces its capacity. For example storage around +60°C reduces capacity with 20% in less than a month, permanently.

Connectors

Multi-purpose connector: For battery charging, software download, and configuration
Headset connector: Standard 2.5 mm

User interface

Display (w × h): Multiple colors with high resolution, more than 65000 individual colors. 128 × 160 pixel LCD with white LED back-lighting

Indicator: LED on top/front for visual indication of incoming call, message. The LED may also be used for visual indication of normal function.

Vibrator: Incoming call/message

Buttons/Keypad:

- Soft keys (3)
- Off-hook key
- On-hook key and Power On/Off on the same key
- Five-way navigation key (OK button in the centre of the key)
- Numerical keys
- Sound off key
- Volume button up/down
- Alarm button
- Mute button

Audio

Ring signal: Adjustable in 8 steps

Earpiece: Adjustable in 8 steps of 3dB each

Maximum sound ring signal level: 88 dBA @ 10 cm

Loudspeaker: Duplex loudspeaking function

Settings

Languages: 18 (Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese (Brazilian), Russian, Slovakian, Spanish, Swedish, and Turkish) + 1 downloadable.

Central Phonebook

Maximum name and number length: 40 characters in a name and 20 digits in a number

Company Phonebook

Maximum name and number length: 24 characters in a name and 24 digits in a number (1 number per name).

Entries: 1000

Local Phonebook

Storage of contacts:

- 48 character name
- 24 digit work number
- 24 digit mobile phone number
- 24 digit other number
- Selectable ring tones per contact

Entries: 250

Specifications are subject to change without notice.

Telephony

Indication:	14 ring signals, flashing LED and vibrator
Answer call:	Button press or auto answer
Call list storage capacity:	25 calls (received, dialled and missed) with time stamp

Messaging

Maximum message length:	160 characters from handset. Message length to handset is system dependent.
Storage capacity:	30 received/sent messages (> 20 000 characters)

Radio

Automatic DECT protocol detection:	Automatic detection and configuration for US DECT and EU DECT at first registration.
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Frequency range:

• EU:	1880-1900 MHz
• US:	1920-1930 MHz
• LA:	1910-1930 MHz
• BR:	1910-1920 MHz
• --:	1900-1920 MHz

Modulation: GFSK

Channel spacing: 1.728 MHz

Antenna: Integral

Sensitivity: -93 dBm

Dynamic output power: EU/LA/BR: 10 mW (maximum average power)
US: 4 mW (maximum average power)

Environmental

Operating temperature: 0°C to +40°C

Storage temperature: -20°C to +60°C

Enclosure protection: IP44, IEC EN60529

Immunity to electromagnetic fields: 3V/m EN61000-4-3

Immunity to ESD: 4 kV contact discharge and 8 kV air discharge (EN61000-4-2)

Free fall test, standard product: IEC 60068-2-32, procedure 1, dropped 12 times from 1 metre. Ascom approves 12 drops from 1.5 metre.

Option

Bluetooth radio: Add-on from factory
(Radio spectrum: ISM 2.4000-2.4835 MHz)

Specifications are subject to change without notice.

Additional features

- High quality voice
- Customizable menus
- Easy access to PBX services
- Easy replacement of handset
- Easy replaceable battery
- Local, central, and company phonebook
- Name in call list
- Call list with the 25 last calls
- Clear lists in charger
- 18 languages and 1 customizable
- Standard headset connector 2.5 mm
- Message acknowledgement
- Sending/receiving messages (SMS)
- Voice mail
- Loudspeaking function
- Mute button/Sound off key
- Programmable soft key / hot keys / headset button
- Site survey tool
- Centralized management


Accessories

- Leather case
- Hinge-type/Swivel-type clip
- Security cord
- Desktop charger, Basic
- Desktop charger, Advanced
- Charging Rack
- Separate battery pack charger
- Headset with microphone on cable, DTX-9016
- Headset with microphone on boom, DTX-9017


Verified Bluetooth Headsets and Bluetooth Barcode Readers

- Bluetooth Headsets
 - Nokia BH-804/BH-904
 - Plantronics Explorer 240/390/395
 - Plantronics Voyager 835/PRO/PRO+
 - Plantronics Discovery 925
 - Plantronics M20/M50/M1100
 - Jabra BT530
 - Jabra GO 660/6430/6470
 - SonyEricsson HBH-GV435/HBH-PV740
 - Peltor M2RX7-WS4
- Bluetooth Barcode Readers
 - Baracoda ScanWear BSW-L
 - Baracoda Roadrunners BRR-L
 - Baracoda Pencil2
 - Opticon OPL-2724

Compliance to European regulations and standards

EU directives:	1999/5/EC (R&TTE)
Product marking:	CE  BT QD: B016451
Radio:	EN 301 406, TBR22
Bluetooth:	EN 300 328-2, EN 301489-17
SAR (Specific Absorption Rate):	EN50360 and EN62209-1, 0.074 W/kg (10 gram)
Safety:	EN60950-1
EMC:	EN301489- 6, EN 301 489-1


Compliance to US regulations and standards

Product marking:	<i>Without Bluetooth:</i> FCC ID: BXZDH4 US: 9FVW4NANDH4 HAC
	<i>With Bluetooth:</i> FCC ID:BXZDH4BL US: 9FVW4NANDH4 HAC  BT QD: B016451
SAR (Specific Absorption Rate):	FCC/OET Bulletin 65 Supplement C and IEEE Std. 1528 / ANSI/IEEE Std. C95.1 Normal operation 0.104 W/kg (1 gram) Body worn operation 0.029 W/kg (1 gram) <i>Specifications are subject to change without notice.</i>

Safety: UL 60950-1
EMC/Radio: FCC Part 15 D and FCC Part 15 C (Bluetooth)
Hearing Aid: 47 CFR Part 68, Subpart D and TIA-968-A



Compliance to Canadian regulations and standards

Product marking: *Without Bluetooth:*
IC:3724B-DH4

With Bluetooth:
IC: 3724B-DH4BL,  BT QD: B016451
EMC/Radio: RSS-213 and RSS-210 (Bluetooth), ICES-003
SAR (Specific Absorption Rate): IEEE Std C95.1
Normal operation 0.104 W/kg (1 gram)
Body worn operation 0.029 W/kg (1 gram)

Safety: CSA 60950-1
Hearing aid: CS-03

Compliance to Australian regulations and standards

Product marking:   BT QD: B016451
Radio: EN301406
Bluetooth: EN 300 328-2, EN 301489-17, AUS/NZS-4771
SAR (Specific Absorption Rate): EN 50360 and EN62209-1, 0.074 W/kg (10 gram)
Safety: AUS/NZS 60950-1
EMC: EN301489- 6, EN 301 489-1
DECT: AS/ACIF S004, TS028

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