

DATA SHEET



Ascom d63 DECT Handset

Features

- Variants: Talker, Talker Lite, Messenger, Messenger Lite, Protector, Protector Lite
- Enhanced DECT security Step A and Step B (ETSI EN 300 444, N.35, N.36)
- GAP/CAP compliant DECT handset
- Cleanable, IP44
- High resolution TFT display
- Easy registration
- Shared phone
- System profiles¹ and advanced user profiles
- Multifunction button² and programmable soft keys & hot keys
- Procedure calls
- Push-to-talk (PTT)¹
- Wideband audio
- Dynamic output power
- 3.5 mm headset connector
- Bluetooth headset support³

Messaging

- Mini messaging (12 characters)⁴
- Advanced messaging queueing¹
- Color and interactive messaging¹
- Multicast/broadcast messaging
- Message acknowledgement¹
- Voicemail

Alarm⁵

- Push-button alarm
- Acoustic Location Signal (ALS)
- Automatic call after alarm

Location

- Base station location
- DECT beacon location¹
- IR location⁵
- Poll location¹

1. Not applicable to Talker variants.
2. Not applicable to Protector variants.
3. Not applicable to Lite variants.
4. Applicable to Talker variants only.
5. Applicable to Protector variants only.

Technical Specifications

Overview

Dimensions (l × w × d):	137 × 52 × 21 mm (excl. clip) (5.4 × 2 × 0.8 in)
Weight:	135 g (excl. clip) (4.8 oz)
Material:	Case: PC, Key pad: coated vulcanized silicone, Clip: PA
Color:	Black, White (Messenger and Messenger Lite only)
Display:	31 × 41 mm (2.0 in), TFT display Multiple colors with high resolution, 262 K individual colors 240 × 320 pixel LCD with white LED backlight
Menu and message languages:	Arabic, Czech, Danish, Dutch, English, Finnish, Flemish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (European), Russian, Simplified Chinese, Slovakian, Spanish, Swedish and Turkish + one downloadable
Clip:	Hinge-type (standard) or swivel-type

Indication

Indicator:	Illuminated display for visual indication of incoming call, and charging
Vibrator:	Incoming call/message

Battery and Charging



All battery times are based on optimal conditions (no roaming or handover and black display).

Type:	Li-polymer 3.7 V 920 mAh
Speech time:	14 h (with Bluetooth headset) 20 h (without Bluetooth headset)
Stand-by time:	140 h (with Bluetooth headset) 235 h (without Bluetooth headset)
Charge time:	Approx. 3 hours in CR3 charging rack and CR4 battery pack charger NOTE: Not following environmental conditions can prolong charging time.

Connectors

Multi-purpose connector:	With USB for fast software download, configuration and battery charging
Headset connector:	Standard 3.5 mm

Specifications are subject to change without notice

Audio	
Ring signal:	Maximum sound level 88 dBA SPL @ 10 cm Adjustable in 8 steps
Earpiece:	Adjustable in 8 steps of 3dB each
Loudspeaker:	Duplex loudspeaking function
Voice codecs:	G.722.2, G.726
Phonebook	
Central phonebook:	Maximum 40 characters in a name and 20 digits in a number
Company phonebook:	Maximum 24 characters in a name and 24 digits in a number (1 number per name) 1000 entries
Local phonebook:	48 character name 24 digit work number 24 digit mobile phone number 24 digit other number 250 entries Selectable ringtones per contact NOTE: Selectable ringtones for local phonebook are not part of any phonebook file and ringtones shall be set using the handset's settings.
Telephony	
Indication:	14 ring signals, illuminated display, and vibrator
Answer call:	Button press or auto answer
Call list storage capacity:	50 calls (received, dialled and missed) with time stamp
Messaging	
Storage capacity:	Messenger and Protector: 30 received/sent messages (> 20 000 characters)
	Talker: 0
Maximum message length:	Messenger and Protector: Up to 140 characters from handset, depending on language and system settings
	Talker: Mini messaging 12 characters to handset

Specifications are subject to change without notice

Multicast groups per handset:	The handset can be a member in maximum 8 different messaging groups
Message character encoding:	SMS Standard Latin-1 UTF-8
Additional Features	
List of features:	High quality voice Centralized management Easy access to PBX services Easy replacement of handset Programmable headset button Programmable handset restrictions Site survey tool Customizable sounds Customizable menus Easily replaceable battery Mute button / Sound off key Clear call lists messages in charger (not applicable to Talker variants) 180 degrees rotation of message (not applicable to Talker variants) and call information
Accessories	
Available accessories:	Charging rack Battery pack charger Desktop charger Desktop programmer Hinge-type/Swivel-type clip Carrying case Security string Headset with microphone on boom Headset adapter for microphone on boom Battery pack
Radio	
Automatic DECT protocol detection:	Automatic detection and configuration for US DECT and EU DECT at first registration
Frequency range:	1880–1900 MHz: Europe, Africa, Middle East, Australia, New Zealand and parts of Asia 1900–1906 MHz: Thailand 1910–1920 MHz: Brazil 1910–1930 MHz: Latin America 1920–1930 MHz: US
Modulation:	GFSK

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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)

Bluetooth (not applicable to Lite variants)

Bluetooth radio spectrum:	ISM 2.4000–2.4835 GHz
Output power:	Class 2, maximum 3 dBm

Bluetooth Headsets (not applicable to Lite variants)

List of verified headsets:	Jabra EVOLVE 65 MS Stereo Jabra EVOLVE 75 Jabra MOTION UC+ MS Jabra STEALTH Jabra SUPREME UC MS Peltor WS Headset XP (MT H7 WS5) Plantronics B825-M Voyager Focus Plantronics BackBeat GO 2 Plantronics Blackwire 710 Plantronics Explorer 500 Bluetooth Headset Black Plantronics M70 Plantronics M90 Plantronics Voyager 5200 BT Headset EU Plantronics Voyager Edge Plantronics Voyager Legend UC
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Environmental

Operating temperature:	0°C to +40°C (+32°F to +104°F)
Storage temperature:	−20°C to +60°C (−4°F to +140°F) NOTE: Storing batteries at high temperature dramatically reduces its capacity.
Charging temperature:	+5°C to +40°C (+41°F to +104°F)
Immunity to electromagnetic fields:	3 V/m (EN 61000-4-3)
Immunity to ESD:	4 kV contact discharge and 8 kV air discharge (EN 61000-4-2)

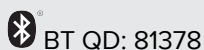
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Enclosure protection:	IP44, IEC EN 60529
Free fall test:	<p>IEC 60068-2-31, procedure 1, dropped 12 times from 1 m</p> <p>IEC 60068-2-31, procedure 2, dropped 1000 times from 0.5 m</p> <p>NOTE: IEC60068-2-31 supersedes IEC60068-2-32 and requirements are equivalent in free fall test.</p>

Specifications are subject to change without notice

Compliance to Regulations and Standards

Bluetooth marking:



Compliance to European and UK Regulations and Standards

EU directives and regulations:

2014/53/EU (RED)
 2015/863 (RoHS3) amending directive 2011/65/EU
 2012/19/EU (WEEE)
 94/62/EC with amendment 2015/720 (Packaging and packaging waste)
 2006/66/EC (Battery Directive)
 Regulation 1907/2006 (REACH)

UK directives and regulations:

Radio Equipment Regulations 2017
 RoHS in Electrical and Electronic Equipment Regulations 2012
 Reach Enforcement Regulations 2008
 Batteries Packaging (essential requirements) Regulations 2015 and Accumulators (placing on the market) Regulations 2008 and Waste Batteries and Accumulators Regulations 2009
 Waste Electrical and Electronic Equipment Regulations 2013

Product marking:



Radio:

EN 301406, TBR22

Bluetooth:

EN 300328, EN 301489-17

SAR (Specific Absorption Rate):

EN 50360, 0.075 W/kg (10 gram) and EN 50566, 0.076 W/kg (10 gram)

Safety:

EN 62368-1

EMC:

EN 301489-6, EN 301489-1

Compliance to US Regulations and Standards

Product marking:



FCC ID: BXZDH7BT
 FCC ID: BXZDH7
 HAC

SAR (Specific Absorption Rate):

FCC 47 CFR § 2.1093 (d) and IEEE Std. 1528
 Body Worn 0.074 W/kg (1 gram)
 Left Head 0.042 W/kg (1 gram)

Safety:

UL 62368-1

EMC/Radio:


FCC Part 15 D, FCC Part 15 C (Bluetooth) and FCC Part 15 B

Hearing aid:


47 CFR Part 68

Specifications are subject to change without notice

Compliance to Canadian Regulations and Standards

Product marking:	 IC: 3724B-DH7BT IC: 3724B-DH7
SAR (Specific Absorption Rate):	RSS-102, Issue 4 Body Worn 0.074 W/kg (1 gram) Left Head 0.042 W/kg (1 gram)
Safety:	CAN/CSA-C22.2 NO. 62368-1
EMC/Radio:	RSS-213 and RSS-247 (Bluetooth)
Hearing aid:	CS-03 Part V, Issue 9, Amendment 1

Compliance to Australian and New Zealand Regulations and Standards

Product marking:	 R-NZ
SAR (Specific Absorption Rate):	EN 50360, 0.075 W/kg (10 gram) and EN 50566, 0.076 W/kg (10 gram)
Safety:	AUS/NZS 60950-1
EMC/Radio:	Radiocommunications Act 1992 Telecommunications Act 1997
Audio:	AS/CA S004 PTC 220/16/019
Bluetooth:	EN 300328, EN 301489-17, AUS/NZS-4771

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