Alcatel·Lucent Enterprise

Alcatel-Lucent Enterprise Aries AD5x DECT Headset series

High-end DECT headsets and base station with an appealing design and full functionality

The Alcatel-Lucent Enterprise Aries AD5x DECT Headsets support DECT and Bluetooth® technology to connect to both a DECT base station and a mobile phone.

The design of the headset and base station is unique, and includes, among other design elements, a headset boom arm with a multi-color LED to indicate call status.

Aries AD5x DECT headsets are available in monaural (AD51) and binaural (AD52) variants. Enriched with advanced ENC (Environmental Noise Cancellation) to suppress unwanted environmental noise for microphone input, these headsets provide users with an exceptional audio experience.
The headsets are equipped with replaceable on-ear or over-ear cushions.



AD52 headset with AD1 base

The AD1 EHS/USB base station has a large display for call control, status information and headset configuration.

The AD1 base station also supports charging of a spare battery. The base station can be connected to a deskphone, PC or laptop.

Features	Benefits
Dual connectivity support	Wireless DECT and Bluetooth® headset
Charging on base station or with USB-C cable	Easy charging
Multiple base station interface support	Base station interfaces: DHSG, RJ9, RJ12, RJ45, USB
Multi-color LED status light located on the microphone boom arm – including busy light	Easy visual check of call status
Super wideband support	Enhanced audio quality
ENC support	Superior audio comfort
Outstanding battery life	Up to 20 hours talk time via DECT and 100 hours standby time

Ordering information	
3MH37051AA	AD51 DECT headset monaural with DECT dongle
3MH37051US	AD51 DECT headset monaural US with DECT dongle
3MH37052AA	AD52 DECT headset binaural with DECT dongle
3MH37052US	AD52 DECT headset binaural US with DECT dongle
3MH37001AA	AD1 DECT headset base station
3MH37001US	AD1 DECT headset base station US
3MH37002AA	AD2 DECT headset USB dongle
3MH37002US	AD2 DECT headset USB dongle US
3MH37003AA	AD3 DECT headset desktop charger
3MH37004AA	AD5x DECT headset on-ear cushion (x2)
3MH37006AA	AD5x DECT headset over-ear cushion (x2)
3MH37007AA	AD5x DECT headset spare battery



AD51 monaural



AD52 binaural



AD2 dongle



AD1 base station

Technical specifications

AD1 DECT headset base station	Features
DECT	Frequency band: • 1880 – 1895 MHz (Taiwan) • 1880 – 1900 MHz (EMEA) • 1910 – 1920 MHz (Brazil & Uruguay) • 1910 – 1930 MHz (LATAM, Argentina, Chile) • 1920 – 1930 MHz (USA, Canada) Output power: • 21 dBm (Uruguay, Canada, US, Malaysia, Jordan) • 22 dBm (Chile, Australia) • 24 dBm (Rest of world) Sensitivity: -92 dBm Antenna: 2 for fast antenna diversity Range: 200m outdoor Security: Class C Encryption: AES256 DECT registration: Can remember 4 subscriptions (1 primary and 3 secondary)
Audio	Narrowband audio: G.726, BV16 Wideband audio (HD): G.722, BV32 Music: 128 kbit/s CELT
Display	Size: 2.4-inch 240x320 TFT Buttons: Scroll wheel (with an embedded key) and four keys

AD1 DECT headset base station	Features
Hardware	Speaker USB-C headset interface USB-C charging terminals Spare battery charger Operating conditions: 0°C to 45°C
Call	Call waiting Hold/Retrieve Supports 2 simultaneous calls (only one on hold) Conference Call Call swap
Software update	Downloadable Air interface

AD51/AD52 headsets	Features
DECT	Frequency band: • 1880 – 1895 MHz (Taiwan) • 1880 – 1900 MHz (EMEA) • 1910 – 1920 MHz (Brazil & Uruguay) • 1910 – 1930 MHz (LATAM, Argentina, Chile) • 1920 – 1930 MHz (USA, Canada) Output power: • 21 dBm (Uruguay, Canada, US, Malaysia, Jordan) • 22 dBm (Chile, Australia) • 24 dBm (Rest of world) Sensitivity: -92 dBm Antenna: 2 for fast antenna diversity Range (max): 200m outdoor Security: Class C Encryption: AES256 Standard DECT interface Handover to VoIP multicell systems
Audio	Narrowband audio: G.726, BV16 Wideband audio (HD): G.722, BV32 Music: 128 kbit/s CELT Coverage warning: On/Off
LED indicator	Tri color status LED Visible on microphone boom tip
Hardware features	Battery: 3.8V Lithium Polymer (replaceable) Battery capacity: 600 mAh Microphones: 2 for talk (ENC) USB-C charging terminals Operating conditions: 0°C to 45°C
Battery performance	Up to 20 hours talk time DECT Up to 10 hours talk time BT Up to 100 hours standby time (DECT only) 3 hours charge time (0% - 90%) Quick charge: 25% in 30 minutes Charge stop temperature: • Low temperature stop charge: 5°C • High temperature stop charge: 40°C
Language	English (voice prompts)
Call features	Call waiting Hold/Retrieve Supports 2 simultaneous calls (only one on hold) Conference Call Call swap
Software update	Downloadable via USB and base station • Wireless (DECT) • Headset placed on base station Air interface PC tool

AD51/AD52 headsets	Features
Bluetooth®	4 pairings BT Version: 5.1 Classic Frequency: 2401 MHz – 2480 MHz Sensitivity: Better than -92 dBm @ DH1, measured at antenna Output power: Class 2. 2,5mW (4dBm) Range: 10 meters in free line of sight measured outside Antenna: Return loss of < -5dB in the relevant frequency band 2 simultaneous connections Profiles: • A2DP (1.2 Advanced Audio Distribution Profile) • HSP (1.2 Headset Profile) • HFP (1.6 Handsfree Profile) • DIP (1.3 Device ID Profile) • AVRCP (1.4 Audio/Video Remote Control Profile) Codec: • SBC (For stereo streaming of music) • mSBC (For wideband call) Class of device: • 0x200404 Headset device • 0x200418 Headphones Encryption: Default 128-bit encryption Pairing mode: Discoverable only by user request and time limited to 1 minute Automatic connect: An already-paired Bluetooth® device will automatically connect to the headset

AD2 USB DECT dongle	Features
DECT	Frequency band: • 1880 – 1895 MHz (Taiwan), 1880 – 1900 MHz (EMEA) • 1910 – 1920 MHz (Brazil & Uruguay), 1910 – 1930 MHz (LATAM, Argentina, Chile) • 1920 – 1930 MHz (USA, Canada) Sensitivity: -92 dBm Antenna: 2 for fast antenna diversity, Range: 200m LOS DECT registration: Can remember 4 subscriptions (1 primary and 3 secondary)
Audio	Narrowband audio: G.726, BV16 Wideband audio (HD): G.722, BV32 Music: 128 kbit/s CELT
LED indicator	Three LEDs Indicate call and registration status to the user
Hardware features	Registration and reset button Switch to select base and headset mode Operating conditions: 0°C to 45°C
Call features	Call waiting Hold/Retrieve Supports 2 simultaneous calls (only one on hold) Conference Call Call swap
Software update	Downloadable

The AD3 is a stand-alone charger for the AD5x wireless headset. The charger has no visual indications and functions only as an “extender” to a USB cable.

AD3 Desktop charger	Features
Compatible with AD5x headset	Yes
Charger connections DC Input	USB-A
Power supply	5V/1A
Supported Region	EMEA/NAM
Headset charging interface	USB-C
Dimensions in mm	103x95x95mm
Operating conditions	0°C to 45°C
Spare battery charger	No

AD3 Desktop charger	Features
General - Safety	CB Test Report IEC62368, EN62368, IEC60950, EN60950 with the national difference UL62368 and cUL 62368, CB Scheme Certificate
US FCC	FCC Part 15B, FCC Part 15D, FCC SAR evaluation, FCC ID
Canada IC	ICES-003 Issue 6, 2016 / IC RSS-213 Issue 3, March 2015 / IC RSS-102 issue 5 SAR evaluation IC REL Cert and registration, ISED ID
Europe CE	EN55032:2015 EMC-EMI&EMS, EN55024:2010, EN55035 EN62479:2010, EN301489-1 V2.2.0 (2017-03), EN301489-6 V2.2.0 (2017-03) IEC61000-4-2 Level 3 criteria B (Contact+/-8KV, Air +/-15KV), EN61000- 4-3 Level 3 criteria A EN301406V2.2.2(2016-09), AOC certificate SAR-EN62209-1:2006/EN62209-2:2010 / EN50360 :2001+A1:2012 EN 50566:2013/AC:2014
Australian/NZ RCM	AS/NZS CISPR 32:2015, EMC-AS/NZS CISPR 22:2009+A1:2010, RF-AS/NZS 4268:2017



AD3 Desktop charger

AD5x DECT headset spare battery	Features
Nominal/charge voltage	3.8V/4.35V
Cell nominal capacity	600mAh
Battery weight	13.73g
Life cycle	≥500 Cycles (Retention: ≥80%)
ESD static test	Air discharge ±15KV, contact discharge ±8KV
Storage temperature	-5° to 45°C ≤one month, -5° to 35°C ≤three month, 15° to 25°C ≤one year
Operating and storage humidity range	≤75% RH
Battery self-consumption	At room temperature (20±5℃), the voltage is 3.0~3.95V, Self-consumption: 0.08mV/h

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