

W-AIR is a turnkey cordless VoIP DECT solution. Thanks to the **auto-provisioning system**, connection to the Wildix PBX is simple and immediate.

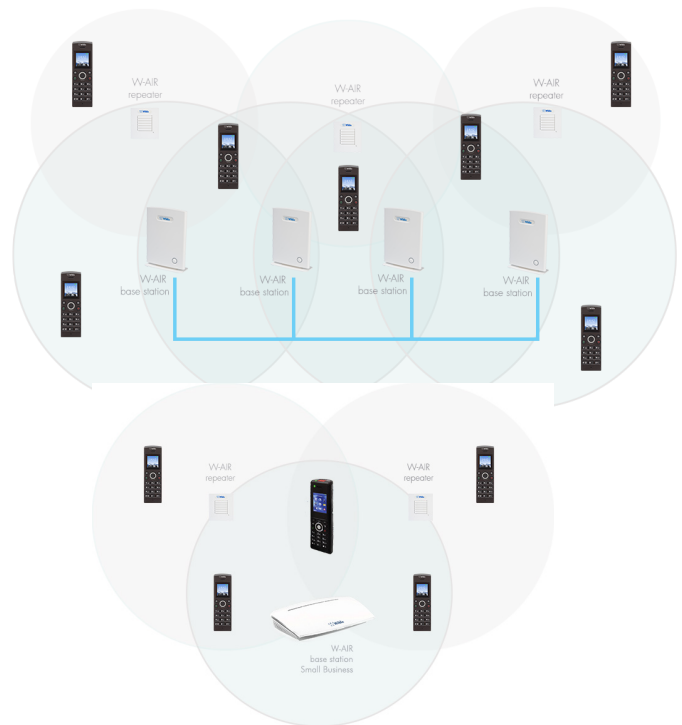
W-AIR SYSTEM HIGHLIGHTS

- DECT CAT-iq
- G.729 and G.711 narrow band codecs
- G.722 wideband codec
- LDAP support
- Seamless handover
- Repeater support (up to 3 repeaters in chain)

- Auto provisioning
- Access to shared corporate phonebooks
- Users presence status monitoring
- Lone worker alarms (W-AIR 150)
- W-AIR base Multicell Auto Roaming feature

W-AIR BASE MULTICELL SOLUTION

- Up to 1000 users per system
- Up to 30 users registered to 1 base station
- Up to 250 bases per system
- Up to 8 concurrent calls per base
- Up to 8 concurrent handovers per base
- Up to 3 repeaters per base *
- Up to 5 concurrent calls per repeater
- Up to 100 repeaters per system
- Multisite auto-roaming feature



W-AIR SMALL BASE SOLUTION

- Up to 8 users
- Up to 4 concurrent calls
- Up to 3 repeaters
- No multicell



W-AIR Base



W-AIR Base Outdoor



W-AIR Base Small Business



W-AIR Repeater

W-AIR HEADSET

W-AIR Headset has the largest wireless roaming range in the World, since its signal coverage is guaranteed by the W-AIR DECT system. You can freely move throughout the whole coverage area, without worrying about call interruptions or sound quality.

W-AIR HEADSET HIGHLIGHTS

- Multi-cell DECT support
- Call answer & hangup
- Mute and volume control
- Talk time: up to 7 hours
- Standby: 100 hours
- HD Audio
- Noise cancelling microphone



W-AIR HANDSETS

W-AIR handsets offer real-time access to the enterprise phonebooks and presence monitoring. W-AIR 150 is provided with lone-worker alarms.

W-AIR HANDSETS HIGHLIGHTS



W-AIR 70

- 1,44" 128x128 display
- PRESENCE
- HD wide band audio
- Integrated phonebooks
- CAT-iq
- Loudspeaker
- 3.5 mm headset jack
- Optional case with belt clip



W-AIR 100

**All the features of
W-AIR 70 +**

- 2" 176x220 display
- Vibration
- PTT (Push to talk)*
- Optional case, belt clip included



W-AIR 150

**All the features of
W-AIR 100 +**

- Bluetooth
- Lone worker alarms
- Alarm button and pull cord
- IP65

**enabling this feature reduces the number of available channels on each base station to 6*

W-AIR BASES TECH SPECIFICATIONS

W-AIR Base	W-AIR Base Outdoor	W-AIR Base Small Business	W-AIR Repeater
System capacity			
<ul style="list-style-type: none"> Up to 1000 users per system Up to 30 users registered to 1 base Up to 250 bases per system Sync over the air Up to 3 repeaters per base * : <ul style="list-style-type: none"> Up to 50 bases: 3 repeaters 50-125 bases: 1 repeater 125-250 bases: no repeater Up to 100 repeaters per system Up to 8 concurrent calls per base <ul style="list-style-type: none"> 8 narrow band channels 4 CAT-iq wideband channels Up to 400 concurrent calls per system 	<ul style="list-style-type: none"> Up to 1000 users per system Up to 30 users registered to 1 base Up to 250 bases per system Sync over the air Up to 3 repeaters per base: <ul style="list-style-type: none"> Up to 50 bases: 3 repeaters 50-125 bases: 1 repeater 125-250 bases: no repeater Up to 100 repeaters per system Up to 8 concurrent calls per base <ul style="list-style-type: none"> 8 narrow band channels 4 CAT-iq wideband channels Up to 400 concurrent calls per system 	<ul style="list-style-type: none"> No multicell Up to 8 users per system Up to 3 repeaters per base Up to 4 concurrent calls 	<ul style="list-style-type: none"> Extending DECT power Repeater to repeater registration (max 3 repeaters in daisy chain) Up to 5 concurrent calls per repeater
Frequency and coverage			
<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m Seamless handover using connection handover 	<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m Seamless handover using connection handover 	<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m 	<ul style="list-style-type: none"> Maximum transmission power: <ul style="list-style-type: none"> EU: 250mW (24.0dBm) US: 100mW (20.0dBm) Frequency bands: <ul style="list-style-type: none"> 1880 – 1900MHz (EU) 1920 – 1930MHz (US) Range: Indoor: 50m; Outdoor: 300m Supports automatic handover of calls between cells
Interface			
<ul style="list-style-type: none"> 1 x RJ45 10/100 BASE-T 	<ul style="list-style-type: none"> 1 x RJ45 10/100 BASE-T 	<ul style="list-style-type: none"> 1 x RJ45 10/100 BASE-T 	<ul style="list-style-type: none"> 1 x RJ11 (6P2C)
Power Supply			
<ul style="list-style-type: none"> PoE 802.3af Class 2 Max power consumption: 4W 	<ul style="list-style-type: none"> PoE IEEE 802.3af (Class 2) Max power consumption: 4W 	<ul style="list-style-type: none"> PoE Splitter: PoE 802.3af Class 3 Input: DC 48V; Output: DC 5V 2A Power consumption 3.84 – 6.49W 	<ul style="list-style-type: none"> 5.5V DC 600mA
Environmental			
<ul style="list-style-type: none"> IP20 Temperature range: -10 to 50° C Relative Humidity: 20%-80% 	<ul style="list-style-type: none"> IP55 rated protection Suitable for outdoor or cold environments Impact strength IK 08 Temperature range: -20 to 60° C Relative Humidity: 20%-80% Flammability Tested against UL746C 5V Nano coated W-AIR Base PCB Ultraviolet light exposure protected Water exposure in accordance with UL 746C 	<ul style="list-style-type: none"> IP20 Temperature range: -10 to 50° C Relative Humidity: 20%-80% 	<ul style="list-style-type: none"> Temperature range: -10 to 50° C Relative Humidity: 20%-80%
Size			
<ul style="list-style-type: none"> 150x200x28mm 	<ul style="list-style-type: none"> 175x250x75 mm 	<ul style="list-style-type: none"> 118x180x25 mm 	<ul style="list-style-type: none"> 120x35x135 mm

W-AIR HANDSETS / W-AIR HEADSET TECH SPECIFICATIONS (page 1 of 2)

W-AIR Headset	W-AIR 70	W-AIR 100	W-AIR 150
Display			
<ul style="list-style-type: none"> • 3 color status LED 	<ul style="list-style-type: none"> • 1,44" 128x128 pixels color display TFT, multilanguage 	<ul style="list-style-type: none"> • 2" 176x220 pixels color display, TFT, multilanguage 	<ul style="list-style-type: none"> • 2" 176x220 pixels color display, TFT, multilanguage
Audio			
<ul style="list-style-type: none"> • G722 wideband codec • HAC compliant (TIA-1083) • Low battery / out of range voice prompt • Audio shock protection • Acoustic Echo cancellation • Noise suppression using DSP • Speaker frequency range: 150Hz - 7kHz • Microphone frequency range: 150Hz - 10kHz 	<ul style="list-style-type: none"> • G722 wideband codec • HD audio speakerphone • HAC compliant (TIA-1083) 	<ul style="list-style-type: none"> • G722 wideband codec • HD audio speakerphone • HAC compliant (TIA-1083) 	<ul style="list-style-type: none"> • G722 wideband codec • HD audio speakerphone • HAC compliant (TIA-1083) • Ambient noise reduction, using 2 mics • Loudspeaker volume: >=100dBspl • Speakers insensitive to metal swarf
Keypad			
<ul style="list-style-type: none"> • Center Hook key • Mute key • Vol + / Vol - keys • Menu key 	<ul style="list-style-type: none"> • 21 keys total • 2 soft keys • ON- and OFF-hook keys 	<ul style="list-style-type: none"> • 27 keys total • 3 soft keys, 3 sidekeys • ON- and OFF-hook keys 	<ul style="list-style-type: none"> • 28 keys total • 3 soft keys, 3 side keys • 1 alarm key on top • ON- and OFF-hook keys
Compatible headsets: https://confluence.wildix.com/x/DASIAQ			
	<ul style="list-style-type: none"> • 3.5mm headset jack • Compatible headsets: WHS-MONO, WHSDUO 	<ul style="list-style-type: none"> • 3.5mm headset jack • Compatible headsets: WHS-MONO, WHS-DUO 	<ul style="list-style-type: none"> • 3.5mm headset jack • Bluetooth • Compatible headsets: WHS-MONO, WHS-DUO, WHS-BT
Ringer			
<ul style="list-style-type: none"> • Volume control • Silent ringer • Adjustable alert (low battery, low coverage) 	<ul style="list-style-type: none"> • Volume control • Silent ringer • Adjustable alert (low battery, low coverage) • Handsfree mode (Loudspeaker) 	<ul style="list-style-type: none"> • Volume control, Silent ringer • Adjustable alerts (low battery, low coverage) • Handsfree mode (Loudspeaker) • Vibrator 	<ul style="list-style-type: none"> • Volume control, Silent ringer • Adjustable alert (low battery, low coverage) • Handsfree mode (Loudspeaker) • Vibrator
DECT			
<ul style="list-style-type: none"> • Maximum transmission power: <ul style="list-style-type: none"> - EU: 250mW (24.0dBm) - US: 100mW (20.0dBm) • Frequency bands: <ul style="list-style-type: none"> - 1880 – 1900MHz (EU) - 1920 – 1930MHz (US) • Range: Indoor: 50m; Outdoor: 300m • Two antennas, fast diversity • Encryption supported • 10 system registration (coming later) 	<ul style="list-style-type: none"> • Maximum transmission power: <ul style="list-style-type: none"> - EU: 250mW (24.0dBm) - US: 100mW (20.0dBm) • Frequency bands: <ul style="list-style-type: none"> - 1880 – 1900MHz (EU) - 1920 – 1930MHz (US) • Range: Indoor: 50m; Outdoor: 300m • One antenna • Encryption supported 	<ul style="list-style-type: none"> • Maximum transmission power: <ul style="list-style-type: none"> - EU: 250mW (24.0dBm) - US: 100mW (20.0dBm) • Frequency bands: <ul style="list-style-type: none"> - 1880 – 1900MHz (EU) - 1920 – 1930MHz (US) • Range: Indoor: 50m; Outdoor: 300m • One antenna • Encryption supported • 10 system registration 	<ul style="list-style-type: none"> • Maximum transmission power: <ul style="list-style-type: none"> - EU: 250mW (24.0dBm) - US: 100mW (20.0dBm) • Frequency bands: <ul style="list-style-type: none"> - 1880 – 1900MHz (EU) - 1920 – 1930MHz (US) • Range: Indoor: 50m; Outdoor: 300m • Two antennas, fast diversity • Encryption supported • 10 system registration
Alarms			
			<ul style="list-style-type: none"> • Alarm key, Pull cord, ManDown, Running, Idle

W-AIR HANDSETS / W-AIR HEADSET TECH SPECIFICATIONS (page 2 of 2)

W-AIR Headset	W-AIR 70	W-AIR 100	W-AIR 150
Features			
<ul style="list-style-type: none"> • Call waiting, Call on hold, Conference call, Call Swap • Up to 2 channels/ calls 	<ul style="list-style-type: none"> • PBX phonebook • Local phonebook with 50 entries • Call waiting, Call on hold, Conference call, Call Swap • Up to 2 channels/ calls 	<ul style="list-style-type: none"> • PBX phonebook • Local phonebook with 100 entries • Call waiting, Call on hold, Conference call, Call Swap • PTT (Push to talk) • Up to 2 channels/ calls 	<ul style="list-style-type: none"> • PBX phonebook • Local phonebook with 250 entries • Call waiting, Call on hold, Conference call, Call Swap • PTT (Push to talk) • Up to 2 channels/ calls
Size and weight			
<ul style="list-style-type: none"> • Size: 126 x 50 x 17mm • Earpad size: 52mm • Weight: 28g (earhook); 49g (headband) 	<ul style="list-style-type: none"> • Size: 135 x 41 x 25mm • Weight: 108g 	<ul style="list-style-type: none"> • Size: 140 x 48 x 25mm • Weight: 136g 	<ul style="list-style-type: none"> • Size: 152 x 48 x 28mm • Weight: 175g
Performance and charging			
<ul style="list-style-type: none"> • Talk time: 6h(NB), 7h(WB) • Standby time: 100hours • Battery type: 320mAh lithium-ion • Charging time 0-50%: 90min • Charging time 0-100%: <4 hours • Charger with magnetic pull • Charging conditions: +5°C to 40°C 	<ul style="list-style-type: none"> • Talk time: 8h(NB), 7h(WB) • Standby time: 75hours • Charge time: 10 hours • Charging conditions: +5°C to 40°C 	<ul style="list-style-type: none"> • Talk time: 18h(NB), 12h(WB) • Standby time: 200hours • Charge time: 5 hours • Charging conditions: +5°C to 40°C 	<ul style="list-style-type: none"> • Talk time: 17h(NB), 12h(WB) • Standby time: 200 hours • Charge time: 6 hours • Charging conditions: +5°C to 40°C
Environmental			
<ul style="list-style-type: none"> • IP20 housing • Operating conditions: 0 to 55°C • Relative Humidity: 20%-80% 	<ul style="list-style-type: none"> • IP20 housing • Operating conditions: 0 to 40°C • Relative Humidity: 20%-80% 	<ul style="list-style-type: none"> • IP20 housing • Operating conditions: -10 to 50°C • Relative Humidity: 20%-80% 	<ul style="list-style-type: none"> • IP65 compliant; Shock proof • Enhanced ESD: 8kV contact and 16kV air • Operating conditions: -15 to 55°C • Relative Humidity: 20%-80%
Reliability specifications			
<ul style="list-style-type: none"> • Drop height: 1.7m on wooden floor • Keypad lifetime: 100.000 presses • Keypad abrasion: 40 RCA cycles 	<ul style="list-style-type: none"> • Drop height: 1m • Keypad lifetime: 40.000 presses • Keypad abrasion: Standard 	<ul style="list-style-type: none"> • Drop height: 1.7m on wooden floor • Keypad lifetime: 100.000 presses • Keypad abrasion: 40 RCA cycles 	<ul style="list-style-type: none"> • Drop height: 2m on concrete floor • Tumble test: 1000 x 0.5m • Keypad lifetime: 100.000 presses • Keypad abrasion: 70 RCA cycles
Approvals			
<ul style="list-style-type: none"> • Radio: EN 301 406 • EMC: EN 301 489-1, EN 301 489-6 • Safety: EN 60950-1; FCC part 15 	<ul style="list-style-type: none"> • Radio: EN 301 406 • EMC: EN 301 489-1, EN 301 489-6 • Safety: EN 60950-1; FCC part 15 	<ul style="list-style-type: none"> • Radio: EN 301 406 • EMC: EN 301 489-1 EN 301 489-6 • Safety: EN 60950-1; FCC part 15 	<ul style="list-style-type: none"> • Radio: EN 301 406 • EMC: EN 301 489-1 EN 301 489-6 • Safety: EN 60950-1; FCC part 15
Accessories			
<ul style="list-style-type: none"> • Earbud included 	<ul style="list-style-type: none"> • Optional case with belt clip (code: WAIR-Basic-8PC, a bundle of 8 pieces) 	<ul style="list-style-type: none"> • Optional case (code: WAIR100-PC) • Belt clip included 	<ul style="list-style-type: none"> • Belt clip included