

AIRLINK 3085



**A RELIABLE ENDURANT FULL DUPLEX
WIRELESS AUDIO COMMUNICATION SYSTEM**

FOR MISSION SUCCESS

AIRLINK 3085 OVERVIEW

MAIN CHARACTERISTICS

- Temperature - 30 °C to + 70 °C
- DO 160G qualified
- MIL STD 810E & 461C qualified (by equiv.)
- DIGITAL INTERCOM operating at 1.9 GHz (similar to DECT, license free, almost worldwide accepted); optionally at 2.4 GHz
- HERO qualified (weapon compatibility, by equiv.)
- IP 67 waterproofing (Mobile Unit); IP 54 for Adaptable BU
- NVG compatible
- High grade battery operated (allowed for Aeronautic usage)

Plug and play

Adaptable Base Unit can be set in place, immediately, when needed, by plugging it to any (cargo..Mechanic external plug) jack plugs normally designed for Headset (or Helmet) connection. Particularly well-designed audio interface eliminates any undesired side effects (echoes) due to ICS generated sidetone. Base Unit contains multiple preset audio settings (High/ Low Level/ Impedance...) quick and easy adaptation to any ICS.

Fully integrated wireless headset no wire, no belt-pack

Failure protected (DO 178 Level-C)

Thanks to a patented mechanism, quality and performance of the wireless link is permanently monitored (Monitoring Modules conform to DO 178, Level "C"), any discrepancy (eventual external radio perturbation...) is immediately detected and notified to Users. Particularly useful for Flight critical activities such as Airdrops (Military Transport A/C).

Audio quality / Noise reduction

- Wideband audio : 100 Hz to 7 KHz
- Adaptive Noise Reduction: surrounding noise captured by Microphone is digitally eliminated, so increasing intelligibility
- VOX with adjustable threshold

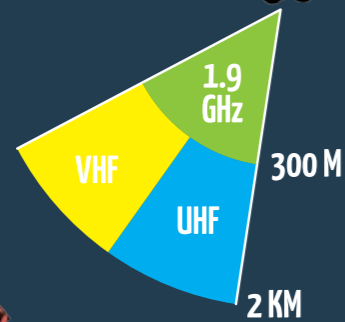
USB Configurable

Mobile and Base Units can be configured (generally before mission activation), so to set all needed parameters (radio/intercom modes, Voice prompts, Base Unit identifier, etc..) in advance. So the Human interface (Mobile Unit) remains simple to use, intuitive, because "pre-mission" settings not presented on this interface.

Fixed or Adaptable Base unit

INTERCOM/ RADIO RANGE

AIRLINK 3085 "basic" range, with its digital full duplex link (creating a Wireless Intercom), is about 250 m, in a best case can reach about 400 m, which is sufficient for a vast majority of usages (Helicopter: generally, cable hoist length in the order of 70 m, eventually 100 m so...) However, to achieve wider ranges, up to 2 km, the system can optionally be completed with a Digital Radio, offering a Half Duplex link, operating either in VHF (133 to 173 MHz) or in UHF (400 to 469 MHz). Switching between INTERCOM and RADIO mode can be automatic with Voice Prompt (pre recorded).



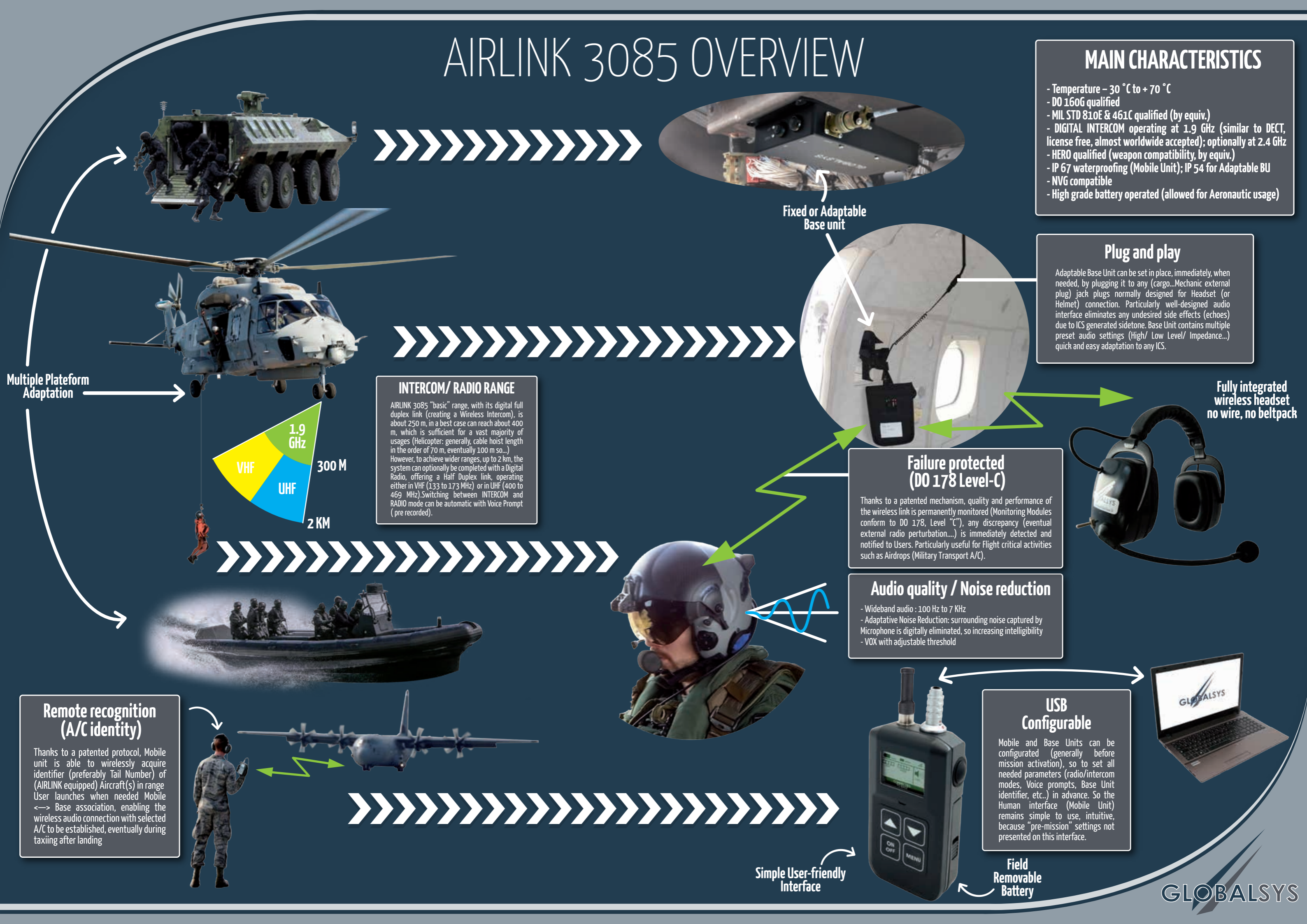
Simple User-friendly Interface

Field Removable Battery

Multiple Platform Adaptation

Remote recognition (A/C identity)

Thanks to a patented protocol, Mobile unit is able to wirelessly acquire identifier (preferably Tail Number) of (AIRLINK equipped) Aircraft(s) in range User launches when needed Mobile <-> Base association, enabling the wireless audio connection with selected A/C to be established, eventually during taxiing after landing



A FEW REFERENCES

BRAZILIAN ARMY

H125, H565, H215: Hoisting, SAR, MedEvac, On board Communic., Maintenance



ARH – Tiger Helicopter: Ground Tests, Engine runs, Flight Tests

AIRBUS AUSTRALIA

FRENCH AIR FORCE

H725, H225: SAR, Hoisting, MedEvac, On board Communic.



All assembly Lines, Marignane: Ground Tests, Engine runs, Flight Tests

AIRBUS HELICOPTER

DASSAULT AVIATION

RAFALE, MIRAGE 2000: Ground Tests, Engine Runs, Pre-Flight procedures



F/A-18: Ground Tests, Engine Runs, Pre-Flight procedures

SWISS AIR FORCE

BRIEF ORDERING INFORMATION



PN
WI421 Bx xx

FIXED BASE UNIT

Embedded base unit, 28VDC powered.

ADAPTABLE BASE UNIT

Multi adaptation base unit, to be connected to a Headset interface (part of ICS)

PN
WI421 Ax xx



PN
WI422 AA xx

MOBILE UNIT

Beltpack unit, can be connected to any Headset or Helmet

MOBILE WIRELESS HEADSET

Fully integrated in a noise cancelling headset.

PN
WI345 BB 07



PN
RCH422 / PSW415

RACK CHARGER

Multiple charger (rack), airborne version in devlpt

SINGLE CHARGER (ADAPT. BASE)

Wall plug charger including charge indicator.

PN
BCH421



PN
BCH422

SINGLE CHARGER (MOBILE UNIT)

Wall plug charger including charge indicator.