

Wireless communication systems for Water Polo referees



VOKKERO™ , THE BEST OF TECHNOLOGY

▶ As the authorities on fair play and rule observance, Water Polo referees can leave nothing to chance. To reduce the risk of errors as much as possible, it is **essential that they react in a quick and concerted manner**.

▶ It's in this context that **Vokkero™**, ADEUNIS RF'S wireless communications system comes into its own since it enables **everyone involved to keep in permanent contact**, with **excellent sound quality** even in the noisiest of environments.

▶ For the first time in the history of Italian Water Polo, **the Vokkero™ system** equipped the referees and officials during the "Final Tour" of the Italy Cup.

Roberto Petronilli, President of GUG says: "Direct contact between referees enabled us to follow what was happening in the water and around the pool better, and to exchange information immediately, something that **promoted consistency in interpreting the game**. As for the official, the **opportunity of listening to the exchanges** meant that he could **control the progress of the match better**. Doubtless in the future, the Vokkero™ system will become an essential aide in the context of top level refereeing activities."

▶ The Vokkero™ system is overwhelmingly supported by the major team sports federations (CAF, AFC, CONCACAF, EHF, IHF, ...). It has been used during events as prestigious as the rugby World Cup, the World Handball Championships, and the football World Cup...

ADVANTAGES OF THE VOKKERO™ SYSTEM

- ▶ **Full duplex:** permanent communication between referees and the scoreboard.
- ▶ **From 2 to 6 users:** suited to different refereeing configurations.
- ▶ **Hands-free system:** instant speaking with nothing to press.
- ▶ **Patented noise filter:** voice recognition and elimination of all extraneous noise (shouts, applause, echoes, etc.).
- ▶ **Digital encryption:** secure and confidential communications.
- ▶ **Multi-channel:** several systems can be used on the same site.
- ▶ **Compact, lightweight, and robust** (IP54 standard).
- ▶ **"Speaker mode" function:** option of making public announcements and commenting on decisions affecting the game.



VOKKERO™, a 100% ADEUNIS RF brand

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SOCCER
FIELD HOCKEY

ICE HOCKEY
BASKETBALL

FOOTBALL
POLO

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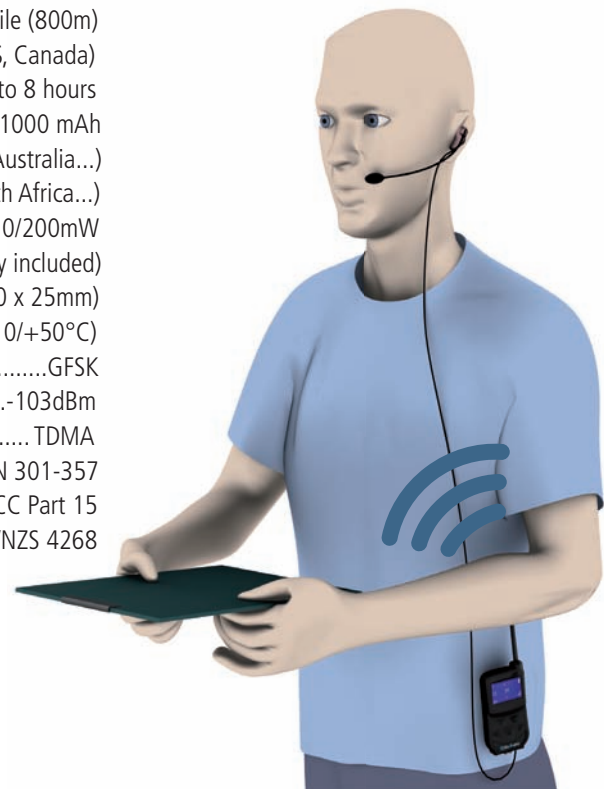
VOKKERO™

Wireless communication systems for top level sports officiating



TECHNICAL DETAILS

Number of users	2 to 6 in full duplex mode + an unlimited number in listening mode
Range	Up to 1/2 mile (800m)
Channels	3 (in Europe) - FHSS (US, Canada)
Battery life	Up to 8 hours
Battery	Rechargeable Li-Polymer 3.7V 1000 mAh
Frequencies	902-928 MHz (USA, Canada, Australia...)
.....	863-870MHz (Europe, South Africa...)
Power	10/200mW
Weight	150g - 5.3 oz (battery included)
Dimensions	4.7" x 2.4" x 0.8" (120 x 60 x 25mm)
T° range	14/122°F (-10/+50°C)
Modulation	GFSK
Sensitivity	-103dBm
Technology.....	TDMA
Norms	Europe: EN 300-220 / EN 301-357
.....	USA: FCC Part 15
.....	AS/NZS 4268



PRODUCTS & ACCESSORIES

Wireless communication system

VOKKER Audio transceiver

Headsets

- KEN 010** Generic micro-earphones
- KEN 020** Generic micro-earphone with on/off switch
- MAE 010** Professional micro-earphone audio pro single ear
- PHO 010** Professional micro-earphone "custom"

Charger, battery & push-to-talk button

- BCH 030** 3 battery charger
- BAT 010** Battery
- PTT 010** Push-to-Talk button

Equipment

- SOC 010** Carry bag
- ABD 010** Armband
- BEL 010** Belt
- HAR 010** Harness

