

Wireless Communication System for Polo referees



▶ The results of these tests are unanimous. All those involved appreciate the **Vokkero™ system** and its contribution to the smooth running of the game.

VOKKERO™, THE BEST OF TECHNOLOGY

- ▶ As the authorities on fair play and rule observance, 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 is in this context that ADEUNIS RF developed **Vokkero™**, a wireless communication system that allows **the referees and the line judges to stay in continuous contact**, with an **excellent audio quality** in the most noisy environments.
- ▶ Case studies: The **Vokkero™** communication system has been tested during many matches, by different Polo clubs. Tests were arranged by Steve Lane, US Polo Director of Umpire Training, and Tom Hughes, US Polo Coordinator of Professional Umpires. They were both in attendance and were monitoring the umpires from sideline.
- ▶ During each match, two referees on horseback were equipped with **Vokkero™**, allowing **immediate and continuous communication** between them, while having the opportunity to **receive information from officials** present at the edges of the field.

VOKKERO™ KEY FEATURES

- ▶ **Continuous contact** between referees and line judges.
- ▶ **From 2 to 6 users**: adaptable to various arbitration configurations.
- ▶ **Hands-free system** : open mic, immediate speaking, without any manipulation.
- ▶ **Patented noise filter**: voice recognition and elimination of all background noise (screaming, shouting, sirens, etc.).
- ▶ **Secured communication**: digital encryption for totally private communication.
- ▶ **Multi-channel**: several systems can be used on the same site.
- ▶ **Compact, lightweight, and robust** (IP54).



VOKKERO®, a 100% ADEUNIS RF brand

POLO

SOCCER

ICE HOCKEY

FOOTBALL

LACROSSE

OFFICIATING

WATER POLO

BASKETBALL

FIELD HOCKEY

A SOLUTION FOR EVERY SPORT

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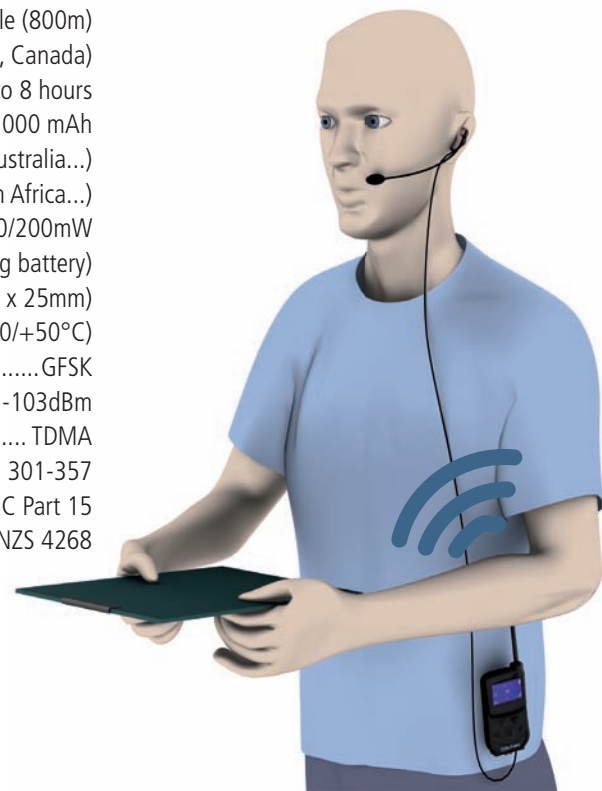
VOKKERO™

Wireless communication systems for top level sports referees



TECHNICAL DETAILS

Number of users	2 to 6 in full duplex mode + unlimited number of listeners
Range	Up to 1/2 mile (800m)
Channels.....	3 (in Europe) - FHSS (US, Canada)
Battery life	Up to 8 hours
Batteries	Rechargeables Li-Polymère 3.7V 1000 mAh
Frequencies	902-928 MHz (USA, Canada, Australia...)
.....	863-870MHz (Europe, South Africa...)
Power	10/200mW
Weight	5.3 oz - 150g (including battery)
Dimensions	4.7" x 2.4" x 0.8" (120 x 60 x 25mm)
Temperature 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

Transceivers

VOKKER Audio Transceiver

Headsets

- KEN 010** Generic headset
- KEN 020** Generic headset with on/off switch
- MAE 010** Audio Pro headset single muff
- PHO 010** Professional headset with customized ear impression

Charger, batteries & PTT

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

Accessories

- SOC 010** Transport bag for Vokkers & accessories
- ABD 010** Armband
- BEL 010** Belt
- HAR 010** Harness

